

H. Rouse Caffey Rice Research Station

117th Annual Research Report

2025

Crowley, Louisiana

117th Annual Research Report

**H. ROUSE CAFFEY
RICE RESEARCH STATION
Crowley, Louisiana**

2025

**Louisiana State University Agricultural Center
Matthew Lee, Vice President of Agriculture and Dean**

**Louisiana Agricultural Experiment Station
Mike Salassi, Executive Associate Vice President and Director**

**Louisiana Cooperative Extension Service
Tara Smith, Executive Associate Vice President and Director**

**Southwest Region
Kathryn Fontenot, Regional Director**

**Rice Research Station
Adam Famoso, Resident Coordinator**

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INTRODUCTION

Research at the H. Rouse Caffey Rice Research Station (HRCRRS), Crowley, LA, is conducted by scientists with the LSU AgCenter's Louisiana Agricultural Experiment Station. The 2025 rice research program included breeding/variety development, biotechnology, variety testing, fertilization, soil and water management, cultural practices, weed control, insect control, disease management, quantitative genetics and predictive breeding methodologies, rice economics, agronomy extension programs, and crawfish demonstration trials. Crops grown in rotation with rice were evaluated relative to increasing the efficiency of land use. Another important area of work is the production and distribution of foundation seed. The aquaculture research program places emphasis upon production practices, forages, and multi-cropping of crawfish with agronomic crops. In addition, the statewide rice extension specialist conducts numerous educational programs from the HRCRRS. Although most research work was performed by members of the Rice Station faculty, several faculty members from the Baton Rouge campus conducted research at this station as well.

The research activities of this station include both fundamental and applied research; although, the latter predominates because of the mission of the HRCRRS. Research accomplishments and general progress of the HRCRRS during 2025 are presented in this report representing the 117th Annual Research Report of the H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, and LSU Agricultural Center. The station has been providing research-based information and improved varieties for over 100 years and is one of the longest continuously operating research stations in the world.

In addition to research responsibilities of the HRCRRS faculty and cooperators, many farmers, extension personnel, and others were trained and otherwise contacted during 2025. Approximately 300 people attended the annual HRCRRS field day to view plots and participate in discussions of research findings. Field days were also conducted in Acadia, Morehouse and Evangeline parishes. In addition, the faculty participated in industry meetings, both on and off the station, and worked individually with farmers and others in solving immediate problems. Several thousand people received services from the HRCRRS during 2025.

Projects at this station are conducted under the supervision of research scientists from the HRCRRS and by cooperating personnel from certain departments of the Louisiana Agricultural Experiment Station. Funding of the research conducted is gratefully provided by the Louisiana Rice Research Board through the Rice Check-Off fund, Federal research grants, and industry collaborations. Following the reports, station personnel and cooperators in 2025 are listed.

MONTHLY RAINFALL DATA

H. ROUSE CAFFEY RICE RESEARCH STATION – CROWLEY, LA – 2025

DATE	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YEAR TOTALS
1					0.47								0.47
2												0.53	0.53
3					0.68			0.15					0.83
4									0.90			2.92	3.82
5			1.19									0.11	1.30
6	0.44			0.19	0.07								0.70
7				0.03	5.63								5.66
8					0.54		0.18					0.58	1.30
9			0.05			0.09				0.25			0.39
10	1.73				0.91		0.50						3.14
11						0.14	0.39						0.53
12		0.12				0.08							0.20
13	0.47	0.07				2.66		0.51				0.05	3.76
14							0.15	0.86				0.91	1.92
15						0.60	0.05	0.12					0.77
16	0.09	0.32	0.02			0.40		1.00					1.83
17						0.20							0.20
18						0.70	0.95					0.05	1.70
19		1.66						1.18		0.40			3.24
20							0.62						0.62
21				0.02				0.41			0.25		0.68
22					0.74			0.02				0.95	1.71
23		1.76				0.09		0.06					1.91
24		1.22	0.29	1.82	0.40				0.63				4.36
25			0.06			0.61	0.79		0.94		0.15		2.55
26				0.14		0.03	0.06			1.75			1.98
27	0.36				0.80								1.16
28								0.03					0.03
29			1.02		1.37							0.32	2.71
30	0.05		6.00			0.60		0.24			1.03		7.92
31	0.81		1.99		0.47		0.60						3.40
MONTHLY TOTALS													
2025	3.95	5.15	10.62	2.20	11.61	6.20	4.29	4.58	2.47	2.40	1.43	6.42	61.32
2024	7.93	1.76	5.49	4.84	8.04	4.35	7.67	4.31	3.92	0.00	5.81	6.39	54.15

Note : Snow storm on January 21, 2024 dumped 12 inches of snow.

RICE BREEDING

Genetic Improvement of Rice for Louisiana Production¹

A.N. Famoso, B. Angira, V.B. Dartez, B.M. Frey, B.L. Williams, J.L. Thornton, T.R. Vanicor, J.D. Dartez, M.F. Lejeune, K. Lima Reis Borges, J. Punzalan, J. Manangkil, and F. Furlan

Introduction

The primary objective of the Rice Breeding Project is the development of superior varieties for the Louisiana rice industry. The Breeding Project is developing improved genotypes of both long- and medium-grain types, which are both important in the state and region. A major area of emphasis is the development of Clearfield and Provisia herbicide-resistant varieties. The project is also placing emphasis on the development of special purpose types.

In addition to the primary objective of varietal development, the Breeding Project also conducts other research that may have direct and/or indirect contributions for varietal development. Included here are studies on milling quality, mutation breeding, date of planting, and herbicide tolerance of new varieties and experimental lines.

The 2024 rice breeding nursery included more than 28,000 breeding rows. Over 600 new breeding crosses were made, and 20 populations were screened through Marker-Assisted Selection (MAS) focusing primarily on key traits, such as amylose, gel temp, grain shape, aroma, plant height, and blast resistance. On- and off-station testing included over 9,400 yield plots. Preliminary Yield testing (PYT) included 2,124 new lines evaluated in 3,990 plots. In 2024, the Regional Yield Test (RYT) consisted of 149 entries in their second year of yield testing. The RYT was conducted over five locations and 1,652 plots. Advanced stages of testing included the Cooperative Uniform Regional Rice Nursery (URRN) and the Advanced Yield Trial (AYT). The URRN contained 40 experimental lines and checks (10 Louisiana entries). The AYT consisted of 67 entries and was tested across eight locations totaling 2,062 plots.

¹ This research is supported in part by funding provided by rice producers through the Louisiana Rice Research Board.

Advanced Yield Trial

The Advanced Yield Trial (AYT) is a multi-location test conducted by the Rice Breeding Project in the major rice growing regions in Louisiana. The objective of this trial is to evaluate the adaptation and stability of commercial rice varieties and advanced experimental lines for a number of important agronomic and yield characteristics.

Trial locations in 2025 included two environments at the H. Rouse Caffey Rice Research Station (HRCRRS), one environment at the HRCRRS South Farm (SF), and six on-farm test sites in Calcasieu (McNeese State University – McN), Evangeline (Mamou – MM), Franklin (Winnsboro – WB), Tensas (St. Joseph – SJ), and Vermilion (Lake Arthur – LK) parishes. Tests were divided by herbicide type (Clearfield – CL, Conventional – CN, and Provisia – PV) at all locations. Planting and harvesting dates are shown in Table 1 across all locations.

In total, 96 entries and 17 checks were tested in a randomized complete-block design with three replications. Varieties and hybrids were seeded at 75 and 27 lb/A, respectively. Entries are listed in Table 2. Results from these trials are shown in Tables 3-23 and listed in order of descending yield (lb/A).

Table 1. Planting and harvesting dates for the Advanced Yield Trial in 2025.

Location	Trial	Planting	Harvesting	Table
HRCRRS	AYT-CL-RRS	3/6	7/21	3
	AYT-CN-RRS	3/3	7/22	4
	AYT-PV-RRS	3/3	7/23	5
HRCRRS-Late	AYT-CL-RRSL	4/4	8/3	6
	AYT-CN-RRSL	4/9	8/11	7
	AYT-PV-RRSL	4/4	8/5	8
HRCRRS South Farm	AYT-CL-SF	3/11	7/29	9
	AYT-CN-SF	3/11	7/29	10
	AYT-PV-SF	3/11	7/30	11
Calcasieu (McNeese)	AYT-CL-McN	4/14	9/3	12
	AYT-CN-McN	4/14	9/3	13
	AYT-PV-McN	4/14	9/4	14
Evangeline (Mamou)	AYT-CN-MM	3/21	7/30	15
Franklin (Winnsboro)	AYT-CL-WB	4/17	8/19	16
	AYT-CN-WB	4/17	8/19	17
	AYT-PV-WB	4/17	8/19	18
Tensas (St. Joseph)	AYT-CL-SJ	3/28	8/5	19
	AYT-PV-SJ	3/28	8/5	20
Vermilion (Lake Arthur)	AYT-CL-LK	3/14	7/28	21
	AYT-CN-LK	3/14	7/28	22
	AYT-PV-LK	3/14	7/28	23

Table 2. Entry number, pedigree, grain type, and source information for entries in the Advanced Yield Trial, 2025.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	1	212L2252	RU1002146/3/Jazzman2//07PY824/08CLR003/4/Jazzman/ 08CLR004//RU0802146/3/RU0802146	AL	LAES
CL	2	222L1147	RU1801169/RU1902126	LG HI	LAES
CL	3	RU2102222	CL172/Lakast	LG	LAES
CL	4	19T-029-4	182L1278/RU1702183	LG	LAES
CL	5	19T-033-38	CL153/RU1702183	LG	LAES
CL	6	19T-033-63	CL153/RU1702183	LG	LAES
CL	7	222L1082	171L1786/CL153	LG	LAES
CL	8	222L1161	Diamond/RU1902146	LG	LAES
CL	9	19T-179-23	RU1902182/Lynx	MG	LAES
CL	10	19T-183-CL-1	RU1902174/RU1801211	MG	LAES
CL	11	222M1096	RU1902174/Lynx	MG	LAES
CL	12	19T-183-CL-6	RU1902174/RU1801211	MG	LAES
CL	13	19T-176-CONV-38	RU1702165/RU1801211	MG	LAES
CL	14	222A2014	RU1902126/RU1902170	AL	LAES
CL	15	232L1187	CL111/RU2002217	LG	LAES
CL	16	232L1210	RU1702183/Avant	LG	LAES
CL	17	232L1225	RU1702183/Avant	LG	LAES
CL	18	232L1242	Mermentau/RU1801101	LG	LAES
CL	19	232L1268	CLL19/RU2002122	LG	LAES
CL	20	MP8_379	CL111/RoyJ//CL153/Lakast/3/CL172/Cypress//Presidio/ Catahoula	LG	LAES
CL	21	232L1074	RU1902126/RU2002114	LG HI	LAES
CL	22	232L1170	RU1902194/RU1902126	LG HI	LAES
CL	23	232L1171	RU1902194/RU1902126	LG	LAES
CL	24	232M1044	RU1902174/Lynx	MG	LAES
CL	25	232M1070	RU1902174/RU1801211	MG	LAES
CL	26	232M1097	RU1902174/Jupiter	MG	LAES
CL	27	232M1114	Taurus/CLM04	MG	LAES
CL	28	19T-176-CONV-10	RU1702165/RU1801211	MG	LAES
CL	29	24AR1136		LG	AAES
CL	30	24DGL-5659CL		LG	NAS
CL	31	24DGL-5664CL		LG	NAS
CL	32	24DGL-5676CL		LG	NAS
CL	33	24DGL-56784CL		LG	NAS
CL	34	24DGL-5786CL		LG	NAS
CL	35	CL153	RU9502008A//Ahrent/Cocodrie/3/CFX26/RU9702128/4/ Cheniere	LG	LAES
CL	36	CLJ01	Jazzman/08CLR004//RU0802146/3/RU0802146	AL	LAES
CL	37	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES
CL	38	CLL18	RoyJ/CL142AR	LG	AAES
CL	39	CLM04	RU1202168/Jupiter	MG	AAES
CL	40	CLM05	CLM05-female parent/CLM05-male	MG	AAES
CN	1	211L1331	RU1602195/Della2	AL	LAES
CN	2	19T-238-13	RU1902207/RU1804187	LG HI	LAES
CN	3	19T-238-62	RU1902207/RU1804187	LG HI	LAES
CN	4	201L1251	Catahoula/Lakast	LG	LAES
CN	5	211L1008	RU1702183/Avant	LG	LAES
CN	6	19T-218-43	RU1702140/RU1902207	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	7	221L1002	CL131/Lakast	LG	LAES
CN	8	221L1013	RU1702183/Avant	LG	LAES
CN	9	221L1087	CL153/RU1902207	LG	LAES
CN	10	MP6_295	CL111/RoyJ//CL153/Lakast/3/CL153/Lakast//CL172/ Cypress	LG	LAES
CN	11	19T-176-CONV-36	RU1702165/RU1801211	MG	LAES
CN	12	231L1082	RU2002217/Avant	LG	LAES
CN	13	231L1085	RU2002217/Avant	LG	LAES
CN	14	231L1086	RU2002217/Avant	LG	LAES
CN	15	231L1103	RU2002222/RU1902207	LG	LAES
CN	16	231L1261	RU2002232/RU2002150	LG	LAES
CN	17	231L1241	RU2002232/RU2002150	LG	LAES
CN	18	231L1243	RU2002232/RU2002150	LG	LAES
CN	19	231M1056	RU1902227/RU1801211	MG	LAES
CN	20	231M1075	Lynx/RU2002090	MG	LAES
CN	21	231M1076	Lynx/RU2002090	MG	LAES
CN	22	231M1102	Titan/RU1801211	MG	LAES
CN	23	231M1103	Titan/RU1801211	MG	LAES
CN	24	23AR151			AAES
CN	25	RU2301045		LG HI	AAES
CN	26	23DGL088		LG	NAS
CN	27	23DGL090		LG	NAS
CN	28	23DGL5010		LG	NAS
CN	29	23DGL1041		LG	NAS
CN	30	23DGL1089		LG	NAS
CN	31	Taurus	Rico1/Bengal//RU0602162/RU0502031	MG	AAES
CN	32	Titan	M206/STG99F507118//Jupiter	MG	AAES
CN	33	Avant	Trenasse//Cocodrie/Jefferson/3/Ahrent/Cocodrie// Cocodrie/LaGrue	LG	LAES
CN	34	Cheniere	Newbonnet/Katy/3/L202/Lemont//L202	LG HI	LAES
CN	35	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie// Jefferson	LG	LAES
CN	36	Jupiter	Bengal/Rico1/3/Bengal//Mercury/Rico1	MG	LAES
CN	37	PVL03	PVL01/Catahoula	LG	LAES
CN	38	CLM05	CLM05-female parent/CLM05-male	MG	AAES
CN	39	DG263L		LG HI	NAS
CN	40	Venus	Titan/Jupiter	MG	LAES
PV	1	213L1130	PVL01/Catahoula	LG	LAES
PV	2	PVL05	PVL01/Catahoula	LG HI	LAES
PV	3	223L1065	PVL03/Cheniere	LG HI	LAES
PV	4	223L1139	Diamond/183L2070	LG	LAES
PV	5	223L1213	PVL03/RU1902194	LG	LAES
PV	6	223L1216	PVL03/RU1902194	LG	LAES
PV	7	223L1236	INIA06/PVL03	LG	LAES
PV	8	223L1262	PVL03/RU1902207	LG	LAES
PV	9	223L1268	PVL03/RU1902207	LG	LAES
PV	10	223L1063	Diamond/183L2070	LG	LAES
PV	11	223L1074	PVL03/RU1902194	LG	LAES
PV	12	223L1079	PVL03/Diamond	LG	LAES
PV	13	223L1081	PVL03/Diamond	LG	LAES
PV	14	223L1085	PVL03/RU2002222	LG	LAES
PV	15	223L1088	PVL03/RU2002222	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
PV	16	233L1089	RU2002070/RU2002232	LG	LAES
PV	17	233L1093	RU2002070/RU2002232	LG	LAES
PV	18	233L1095	RU2002070/RU2002232	LG	LAES
PV	19	19T-262-55	Catahoula/PVL03	LG	LAES
PV	20	233L1237	RU2002070/RU2002146	LG HI	LAES
PV	21	233L1228	19T262-F2-P2/RU2002122	LG HI	LAES
PV	22	23DGL-001PV		LG HI	NAS
PV	23	23DGL-024PV-3		LG HI	NAS
PV	24	23DGL-007PV-2		LG HI	NAS
PV	25	24DGL-4464PV		LG HI	NAS
PV	26	24AR2120		LG HI	AAES
PV	27	23AR2111		LG HI	AAES
PV	28	RU1902227-PV-001-bulk	RU1902227/RU1902227-PV-BC2	MG	LAES
PV	29	DG263L-PV-014-bulk	DG263L/DG263L-PV-BC2	LG HI	LAES
PV	30	DG263L-PV-012-bulk	DG263L/DG263L-PV-BC2	LG HI	LAES
PV	31	DG263L-PV-010-bulk	DG263L/DG263L-PV-BC2	LG HI	LAES
PV	32	191M1192-PV-002-bulk	191M1192/191M1192-PV-BC2	MG	LAES
PV	33	23AR2205	RU1901125/3/18SIT0877(Neptune//RU0502183/Catahoula/3/RU9902028)/HPHI2//Jupiter	MG	AAES
PV	34	PVL03	PVL01/Catahoula	LG	LAES
PV	35	DG563PVL		LG HI	NAS
PV	36	PVL04	18SIT0557/RU2201021-BC2	LG HI	AAES

* Herbicide Type – Clearfield (CL), Conventional (CN), and Provisia (PV).

[†] LG = Long grain, LG HI = Long-grain high-amylose Dixie Belle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

[‡] LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
9	19T-179-23	3.0	83.7	106.0	64.7	71.8	15.9	7.8	11180.0	3167.3
27	232M1114	3.0	83.3	106.7	67.5	71.9	11.4	5.2	10965.8	2578.5
13	19T-176-CONV-38	3.0	81.7	102.7	68.6	73.1	8.9	3.9	10962.7	3354.9
26	232M1097	3.0	82.7	97.7	63.0	69.7	8.6	4.7	10911.0	4304.0
38	CLL18	1.0	82.0	105.7	58.3	69.5	23.2	21.1	10856.3	2234.2
28	19T-176-CONV-10	2.3	80.0	105.3	66.4	72.6	12.0	5.3	10853.9	3374.2
24	232M1044	3.0	84.3	104.0	68.1	71.7	14.5	7.2	10775.5	3587.5
22	232L1170	3.0	81.7	102.7	67.1	73.6	11.1	9.3	10732.3	3190.8
10	19T-183-CL-1	3.0	82.0	102.3	66.8	71.0	22.9	13.4	10714.7	3298.3
25	232M1070	3.0	80.3	101.0	66.9	72.1	9.7	6.3	10662.3	3437.0
39	CLM04	2.3	83.7	109.0	67.0	71.5	10.2	6.2	10651.1	2821.5
40	CLM05	1.7	84.0	95.3	67.3	70.2	13.8	9.2	10637.9	3320.2
29	24AR1136	2.3	80.7	107.3	63.2	72.1	19.4	16.2	10588.7	2488.6
8	222L1161	3.0	78.0	98.0	67.4	73.0	11.4	8.1	10557.1	3632.9
2	222L1147	3.0	81.7	99.3	60.4	72.0	15.1	12.6	10551.3	2194.9
12	19T-183-CL-6	3.0	80.7	101.0	66.5	71.9	17.6	11.5	10465.5	3327.6
21	232L1074	3.0	81.7	96.7	66.8	74.2	9.2	5.7	10412.7	3252.7
15	232L1187	3.0	81.0	95.3	65.5	72.4	18.3	15.8	10367.6	3284.3
23	232L1171	3.0	82.3	100.0	68.5	74.6	9.4	6.9	10285.9	3220.0
20	MP8_379	3.0	78.7	93.0	64.5	73.2	25.4	18.1	10250.3	2970.4
16	232L1210	3.0	76.7	91.7	67.0	73.1	17.0	15.2	10248.2	3616.0
5	19T-033-38	3.0	81.0	98.7	68.6	74.0	16.2	13.4	10086.1	3091.3
6	19T-033-63	3.0	79.7	97.0	68.2	74.1	16.8	12.4	9985.3	3362.9
4	19T-029-4	3.0	80.0	101.0	69.6	74.0	13.4	9.4	9984.0	2458.6
7	222L1082	3.0	78.0	103.7	66.9	73.1	12.2	9.5	9980.5	3212.0
11	222M1096	3.0	85.3	97.0	70.7	73.3	7.5	3.8	9930.4	3557.0
3	RU2102222	3.0	81.7	98.3	67.3	73.7	11.4	9.8	9872.2	2865.6
19	232L1268	3.0	79.7	95.3	64.0	72.6	25.7	23.9	9806.8	3238.2
35	CL153	3.0	81.7	97.3	69.4	74.2	13.7	10.5	9748.5	3040.6
18	232L1242	1.0	77.0	100.7	69.7	74.7	16.3	13.5	9712.5	3095.0
17	232L1225	3.0	77.3	94.3	67.0	73.1	14.9	12.8	9360.5	3139.1
37	CLL19	3.0	79.7	93.7	65.0	72.7	22.5	17.9	9179.3	2922.3
14	222A2014	3.0	78.3	104.7	69.5	74.5	10.5	9.0	9146.8	3446.7
36	CLJ01	3.0	83.7	92.0	71.1	74.5	5.5	4.4	8774.2	3375.6
1	212L2252	3.7	81.3	93.3	69.3	74.4	8.7	6.5	8654.0	3096.0
34	24DGL-5786CL	3.0	88.3	84.7	64.3	72.2	7.8	5.8	8082.4	2037.7
30	24DGL-5659CL	3.0	88.7	87.0	63.6	72.1	8.4	6.9	7888.9	1584.1
33	24DGL-56784CL	3.0	88.0	86.3	66.2	73.5	9.8	8.6	7783.4	2048.3
31	24DGL-5664CL	3.0	87.7	88.3	63.9	72.0	9.9	8.8	7750.4	1812.3
32	24DGL-5676CL	3.0	88.3	83.7	59.5	70.9	6.8	5.4	7692.3	2000.8

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 4. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
21	231M1076	3.0	85.7	101.3	64.5	69.2	10.0	6.1	11054.4	3854.6
29	23DGL1041	3.0	81.3	98.3	61.1	68.3	13.8	10.9	10997.0	3400.3
24	23AR151	1.0	81.3	105.7	59.7	72.2	23.4	17.3	10984.1	2861.4
38	CLM05	1.7	85.0	97.0	64.4	67.0	15.4	10.3	10893.1	3323.5
31	Taurus	1.7	81.7	89.7	62.2	71.6	10.0	5.7	10668.7	2756.1
39	DG263L	2.3	79.0	99.3	62.2	69.3	14.0	11.6	10536.5	3436.7
30	23DGL1089	3.0	82.0	98.7	61.7	68.5	13.7	10.8	10433.4	3201.6
2	19T-238-13	3.0	81.0	98.3	68.4	74.5	22.2	19.5	10415.7	3089.3
26	23DGL088	3.0	80.3	94.7	62.4	70.1	13.6	11.1	10393.4	3982.2
25	RU2301045	2.3	81.7	104.0	59.7	75.6	16.0	15.4	10376.7	3408.8
28	23DGL5010	3.0	82.3	98.7	63.2	69.6	13.3	10.6	10313.6	3480.9
36	Jupiter	3.0	87.7	95.7	59.9	66.9	16.5	11.4	10306.0	3487.5
20	231M1075	3.0	82.3	102.0	59.5	66.5	22.9	17.7	10223.7	2828.7
27	23DGL090	3.0	82.3	101.0	64.6	71.2	9.2	7.5	10138.6	4211.2
3	19T-238-62	3.7	82.3	111.3	63.9	71.9	21.7	19.7	10026.7	3300.2
19	231M1056	3.0	83.3	105.3	65.5	70.4	15.0	11.7	9980.3	3238.0
13	231L1085	3.7	80.0	99.0	69.5	74.2	13.3	9.6	9929.8	3315.3
23	231M1103	3.0	80.7	100.7	65.3	70.1	15.4	9.4	9898.7	3921.5
11	19T-176-CONV-36	1.7	82.3	108.0	57.1	72.3	8.9	4.6	9895.5	3281.1
40	Venus	3.0	81.7	101.7	67.2	70.2	12.7	6.7	9853.4	3961.0
18	231L1243	3.0	81.7	98.0	67.8	73.8	16.6	14.8	9789.1	2993.2
22	231M1102	3.0	80.3	103.0	67.0	71.0	10.3	6.6	9780.5	3550.6
12	231L1082	3.0	78.7	98.0	69.6	74.5	12.3	9.6	9713.0	3473.8
33	Avant	2.3	76.3	95.7	67.8	73.2	15.6	14.7	9590.7	3168.1
10	MP6_295	3.0	83.0	94.0	59.1	70.9	29.9	28.3	9562.6	3520.2
6	19T-218-43	3.0	83.0	100.3	65.8	72.9	16.2	15.7	9503.9	3107.9
32	Titan	2.3	79.3	100.3	68.0	70.4	12.6	5.6	9481.1	4671.5
5	211L1008	3.0	80.0	100.3	67.0	72.2	17.6	16.8	9423.0	3059.1
16	231L1261	3.0	79.3	103.3	67.3	73.3	17.6	13.5	9415.7	2982.4
15	231L1103	2.3	79.0	99.3	66.6	73.2	18.0	17.6	9380.4	3327.1
4	201L1251	2.3	84.0	90.7	62.8	73.0	16.7	12.5	9351.2	2813.6
17	231L1241	3.0	80.3	97.7	68.3	74.2	17.8	15.1	9255.3	3272.4
37	PVL03	2.3	82.3	103.3	65.7	73.5	16.4	14.5	9252.1	3029.8
9	221L1087	3.0	82.3	97.7	67.1	73.1	20.1	16.0	9179.8	3615.6
14	231L1086	3.0	76.7	96.0	68.8	74.0	14.6	12.9	9162.2	3239.9
8	221L1013	3.0	78.0	97.3	67.4	73.3	19.6	20.1	9143.6	3571.9
34	Cheniere	3.0	83.7	93.3	69.4	75.0	9.7	8.1	8943.4	2803.4
35	CLL19	3.0	80.7	93.7	66.3	73.3	24.8	21.1	8782.9	2957.8
7	221L1002	3.0	81.0	103.7	64.3	72.7	23.1	21.1	8674.1	3057.3
1	211L1331	3.0	88.3	104.3	66.4	71.7	12.4	11.7	8475.2	3060.4

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 5. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
30	DG263L-PV-012- bulk	3.0	86.0	99.7	61.1	68.1	18.1	17.0	11260.5	3260.9
31	DG263L-PV-010- bulk	3.0	85.3	98.3	62.0	67.8	10.7	8.1	11237.7	3844.3
29	DG263L-PV-014- bulk	3.0	85.3	94.7	62.3	68.0	9.5	7.5	10953.9	4353.7
25	24DGL-4464PV	3.0	85.7	103.7	60.8	68.3	12.5	8.8	10822.6	3464.3
13	233L1081	2.3	84.3	99.3	68.0	72.8	12.8	10.6	10622.4	3767.1
20	233L1237	1.7	81.0	98.0	61.6	70.4	15.1	14.1	10545.2	2938.2
14	233L1085	2.3	82.3	101.0	66.5	73.9	14.9	12.4	10243.3	2781.1
3	223L1065	3.0	83.3	95.3	66.5	73.4	14.2	10.1	10155.3	3378.9
35	DG563PVL	3.7	90.3	98.0	61.6	68.8	11.5	9.7	10123.6	2550.9
26	24AR2120	1.7	88.7	105.7	56.0	68.9	16.7	13.8	10116.1	3900.0
15	233L1088	3.0	83.7	106.0	62.6	72.1	23.4	21.5	10090.7	3067.9
24	23DGL-007PV-2	3.7	89.7	96.3	62.8	69.6	9.1	7.3	10063.9	3677.1
22	23DGL-001PV	3.0	79.0	88.3	62.9	70.4	14.4	9.8	9999.0	2963.0
10	233L1063	3.0	87.7	96.0	58.1	69.4	18.7	16.4	9949.8	3478.4
18	233L1095	2.3	83.3	100.0	64.9	72.3	11.6	7.8	9937.1	2912.8
9	233L1268	2.3	83.7	98.7	67.2	72.5	13.5	11.8	9900.4	3449.5
7	223L1236	3.0	82.3	110.7	60.6	70.9	11.9	10.6	9882.3	3614.7
23	23DGL-024PV-3	3.0	87.0	95.7	63.1	69.6	10.7	7.4	9823.6	3443.1
12	233L1079	2.3	85.0	100.3	67.7	73.6	15.1	14.3	9767.8	3774.4
34	PVL03	2.3	85.3	101.0	65.7	72.8	13.2	11.7	9729.1	3071.2
21	233L1228	3.0	84.0	95.7	67.7	72.8	13.0	10.1	9643.6	3062.3
5	223L1213	3.0	83.0	104.7	64.5	72.2	21.9	19.6	9602.4	2698.6
33	23AR2205	3.0	87.0	104.3	62.3	66.4	19.5	13.1	9566.3	3513.5
28	RU1902227-PV- 001-bulk	3.0	86.0	93.7	66.0	71.1	7.5	4.7	9516.6	3148.6
6	223L1216	3.0	85.0	96.3	64.0	70.6	15.1	14.5	9510.0	2758.8
32	191M1192-PV-002- bulk	1.0	82.3	105.7	67.9	71.2	9.0	4.1	9485.7	3438.7
8	233L1262	3.0	85.0	98.7	65.4	72.2	15.5	14.0	9335.5	3152.8
16	233L1089	3.0	85.0	98.3	66.9	72.3	7.2	5.4	9216.5	3177.8
11	233L1074	3.0	83.0	97.0	69.3	73.6	14.5	13.2	9216.4	3266.9
19	19T-262-55	3.0	83.7	101.3	64.5	73.0	12.7	9.5	8915.8	3278.9
4	223L1139	3.0	90.3	99.3	65.3	70.9	10.9	8.1	8893.1	3048.4
17	233L1093	3.0	84.7	99.3	69.0	73.6	16.8	14.7	8815.4	2903.6
2	PVL05	3.0	87.7	91.3	54.6	68.5	10.2	7.4	8697.6	2628.9
1	213L1130	3.0	86.0	97.7	64.9	72.2	13.1	9.6	8440.6	3359.1
27	23AR2111	3.0	91.3	106.0	60.8	69.9	13.2	11.0	7995.8	3763.7
36	PVL04	3.7	92.7	101.3	57.3	68.5	9.7	6.8	7773.6	2943.7

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 6. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entr y	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
25	232M1070	3.0	74.3	100.3	63.4	69.7	13.0	10.9	9345.0	3663.2
28	19T-176-CONV-10	2.3	74.3	104.0	62.1	70.3	12.8	7.5	9207.1	4205.1
9	19T-179-23	3.0	78.3	103.7	63.2	69.4	19.7	12.0	9130.1	4110.6
38	CLL18	1.7	75.7	106.3	57.4	69.3	22.8	21.2	9081.7	2669.4
27	232M1114	1.7	75.0	99.7	63.4	70.0	11.9	7.4	9027.2	3632.7
40	CLM05	3.0	77.7	91.7	62.4	67.5	16.0	13.1	9014.4	3839.9
7	222L1082	3.7	68.7	101.0	64.8	72.4	13.1	11.2	8763.2	4072.5
2	222L1147	3.7	72.7	97.3	61.9	72.7	13.7	12.0	8708.3	3535.1
24	232M1044	2.3	77.0	99.7	64.8	69.7	17.6	12.1	8689.4	4373.5
13	19T-176-CONV-38	3.0	77.0	102.0	64.1	70.5	11.6	6.0	8656.9	3910.0
5	19T-033-38	2.3	72.0	96.7	63.9	72.6	16.7	14.6	8655.1	3729.5
11	222M1096	3.7	79.0	97.3	67.7	71.0	11.7	7.3	8647.8	4321.9
4	19T-029-4	2.3	70.0	101.7	64.5	71.6	16.9	12.8	8569.2	3987.2
10	19T-183-CL-1	3.0	74.3	96.0	62.8	68.4	24.5	16.4	8531.1	4387.4
20	MP8_379	2.3	69.3	86.3	55.6	70.3	24.7	17.6	8528.7	4359.7
16	232L1210	3.0	66.7	91.3	62.2	71.5	17.8	17.4	8481.5	4695.8
12	19T-183-CL-6	3.0	72.0	95.7	62.5	69.4	18.5	12.0	8449.8	4424.1
14	222A2014	3.0	69.3	104.0	68.4	73.1	12.3	10.3	8427.2	3899.7
39	CLM04	2.3	78.0	102.7	64.4	69.4	9.8	6.2	8384.4	2948.2
22	232L1170	2.3	74.0	97.7	66.8	73.1	13.1	11.1	8359.2	3986.9
6	19T-033-63	3.0	71.0	93.7	63.1	72.2	16.1	12.4	8340.6	3979.9
18	232L1242	1.7	66.3	92.0	67.0	73.9	18.3	15.6	8339.4	3652.1
29	24AR1136	3.0	72.3	106.0	61.5	70.7	19.4	15.5	8296.9	2728.6
8	222L1161	2.3	69.0	94.3	61.3	70.2	16.1	12.8	8287.0	3883.6
21	232L1074	3.0	73.0	97.3	65.0	72.6	11.3	7.5	8209.8	3668.3
15	232L1187	3.0	75.3	99.0	62.6	70.9	20.5	18.9	8199.7	3912.4
26	232M1097	4.3	77.3	92.0	63.0	67.8	10.4	7.4	8139.2	3646.1
3	RU2102222	3.0	75.7	88.7	68.4	73.8	13.9	13.2	7855.5	3248.9
37	CLL19	3.0	68.7	85.7	58.7	70.4	22.0	19.9	7830.8	4185.7
19	232L1268	3.0	71.3	90.3	54.2	69.9	24.0	23.2	7796.6	4206.4
17	232L1225	2.3	66.3	91.3	63.5	71.6	14.0	13.0	7793.2	4391.6
23	232L1171	2.3	74.7	95.0	64.6	72.5	11.6	8.8	7744.9	3065.2
35	CL153	3.0	71.3	93.7	64.1	71.9	12.3	9.3	7491.2	4482.6
1	212L2252	3.7	75.0	93.7	68.8	74.0	11.4	10.3	7071.8	3564.9
36	CLJ01	2.3	76.3	95.3	70.5	74.2	4.0	3.1	6930.0	3972.4
33	24DGL-56784CL	3.0	79.7	83.7	62.5	71.7	10.3	9.8	6223.1	2926.7
31	24DGL-5664CL	3.0	79.7	89.0	60.2	70.5	11.0	10.3	6006.5	2516.2
34	24DGL-5786CL	3.0	80.0	84.0	64.7	73.0	12.2	11.1	5692.8	2945.1
30	24DGL-5659CL	2.3	79.7	86.3	59.6	70.4	10.2	8.7	5477.3	2840.9
32	24DGL-5676CL	3.0	80.0	83.0	57.1	70.2	9.2	8.5	5437.5	2844.3

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 7. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
12	231L1082	3.0	72.3	96.0	67.0	72.8	17.6	15.9	9075.6	2125.2
38	CLM05	1.7	79.0	96.0	61.6	67.1	17.3	12.6	9022.9	1956.0
11	19T-176-CONV-36	3.0	75.0	99.7	60.8	69.8	9.1	4.6	8974.0	2679.8
30	23DGL1089	3.0	74.0	100.7	59.5	67.5	13.7	11.4	8964.8	858.9
28	23DGL5010	3.7	74.0	102.0	60.1	67.9	15.5	13.3	8858.5	1259.1
39	DG263L	1.0	72.3	100.0	59.9	68.0	14.7	12.5	8848.1	1310.7
13	231L1085	3.0	72.7	100.7	67.8	73.5	16.8	13.7	8831.0	2225.3
14	231L1086	3.0	71.0	95.0	66.8	72.7	16.4	15.2	8667.6	2518.5
27	23DGL090	3.0	75.7	105.0	62.0	69.2	12.3	10.6	8661.4	2183.6
29	23DGL1041	2.3	73.3	96.3	58.2	66.8	16.0	13.4	8656.9	1378.6
26	23DGL088	3.0	73.3	103.7	60.2	68.2	14.6	12.6	8633.6	1106.5
31	Taurus	3.0	74.3	84.0	60.6	69.5	10.0	5.4	8516.3	1954.3
5	211L1008	3.0	72.3	100.0	68.1	73.0	19.8	19.7	8470.8	2136.3
23	231M1103	3.7	75.0	96.0	62.0	68.3	15.0	10.2	8430.3	2214.1
18	231L1243	2.3	76.0	101.3	63.8	72.0	14.5	11.8	8423.7	2093.9
33	Avant	2.0	70.0	93.3	66.9	72.8	20.0	20.4	8419.8	2033.4
20	231M1075	4.3	77.3	97.7	57.9	66.5	22.5	17.7	8413.8	1882.1
24	23AR151	3.0	77.7	103.0	53.5	68.5	24.6	20.8	8329.1	2180.5
35	CLL19	2.3	72.3	96.3	62.2	70.4	19.9	16.3	8292.4	2317.5
25	RU2301045	3.0	77.7	102.0	53.0	68.3	17.0	14.7	8280.2	2591.0
15	231L1103	2.3	74.0	101.0	66.1	72.6	18.2	16.8	8242.7	2148.7
21	231M1076	4.3	79.3	96.7	63.2	69.0	9.7	5.1	8220.3	2346.5
17	231L1241	3.0	75.0	98.0	65.1	72.5	18.0	13.6	8092.6	2195.0
22	231M1102	3.0	74.7	93.0	60.0	69.1	11.9	7.4	8079.7	2242.1
19	231M1056	3.0	77.3	103.7	64.5	70.8	16.7	12.0	8022.2	2040.6
16	231L1261	3.0	76.0	97.3	63.1	71.4	17.7	11.5	8014.0	1739.5
32	Titan	3.0	73.3	96.7	61.7	68.6	12.1	6.2	8007.7	2560.2
40	Venus	3.0	75.0	96.3	62.9	67.8	14.7	8.0	7850.0	2341.8
36	Jupiter	3.0	80.3	92.7	58.2	68.1	20.2	13.9	7844.6	1906.1
2	19T-238-13	3.0	77.0	102.0	63.3	71.3	19.4	16.2	7806.4	2339.0
8	221L1013	3.0	72.0	95.7	66.1	72.4	16.7	15.8	7767.8	2360.1
3	19T-238-62	3.0	76.0	108.0	60.4	69.8	19.8	18.5	7752.8	2115.2
10	MP6_295	3.0	77.3	94.3	62.6	71.5	25.7	20.6	7750.4	2377.3
6	19T-218-43	1.7	76.0	103.3	65.7	72.5	13.1	11.5	7719.4	2447.9
9	221L1087	3.7	74.3	90.7	65.9	72.4	19.0	14.3	7629.3	2551.1
7	221L1002	3.0	74.3	102.7	63.6	71.9	21.0	16.8	7548.8	2417.6
1	211L1331	3.0	79.3	99.3	64.4	70.8	12.6	11.0	7534.6	1870.1
4	201L1251	3.7	78.0	90.7	57.2	69.3	20.5	15.4	7355.6	2351.6
37	PVL03	1.0	76.3	99.3	57.7	69.4	15.0	13.0	6892.5	2100.2
34	Cheniere	3.0	77.0	91.7	67.5	73.3	7.7	5.8	6692.2	2200.8

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 8. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
31	DG263L-PV- 010-bulk	3.0	81.0	100.7	55.8	65.0	11.8	7.8	8231.3	2002.2
25	24DGL-4464PV	1.7	79.3	100.7	57.3	66.7	14.9	12.8	7868.7	2374.1
30	DG263L-PV- 012-bulk	1.7	81.0	99.7	58.1	66.4	14.5	12.3	7442.7	1403.5
29	DG263L-PV- 014-bulk	3.0	80.7	99.0	57.6	66.4	10.3	7.5	6967.2	1936.3
10	233L1063	3.0	82.0	101.3	48.5	62.8	18.9	15.6	6867.8	3425.6
22	23DGL-001PV	1.7	73.7	83.7	60.1	68.4	14.8	9.9	6759.7	1547.7
18	233L1095	1.0	72.3	95.0	53.2	69.8	9.4	7.2	6754.4	2415.5
2	PVL05	3.0	80.0	100.0	44.1	64.2	11.9	9.5	6532.9	2427.4
23	23DGL-024PV-3	3.0	84.0	90.3	58.0	66.3	12.0	7.9	6445.9	2341.2
14	233L1085	1.7	73.0	98.3	57.2	69.6	11.9	8.5	6421.2	2701.3
16	233L1089	3.0	75.7	97.0	59.6	69.7	12.0	10.5	6284.7	2915.3
9	233L1268	3.0	74.3	100.3	58.8	69.7	15.4	12.7	6063.7	3291.0
20	233L1237	2.3	76.3	96.7	54.2	67.7	11.7	10.1	5972.2	2386.4
34	PVL03	1.7	77.0	103.0	53.5	67.7	13.9	12.1	5960.7	3105.7
15	233L1088	2.3	75.7	103.3	53.3	66.7	15.7	13.2	5867.0	3213.2
35	DG563PVL	3.0	83.0	89.3	56.3	66.5	12.2	8.7	5829.9	1862.8
33	23AR2205	3.0	83.7	92.7	56.8	63.7	26.0	17.7	5635.7	2686.0
17	233L1093	3.0	75.3	100.7	57.3	68.7	17.0	14.1	5634.1	3195.7
19	19T-262-55	3.0	77.3	96.3	52.4	67.8	10.6	7.7	5624.2	3441.0
24	23DGL-007PV-2	3.0	83.0	95.0	58.8	66.9	12.2	8.9	5591.5	2456.1
3	223L1065	3.0	74.7	93.3	60.1	70.7	11.1	8.1	5522.4	2706.0
1	213L1130	3.0	77.3	97.7	52.1	67.6	16.5	13.7	5450.9	2917.6
5	223L1213	1.7	72.3	102.0	52.1	67.4	15.8	13.6	5326.0	2656.2
8	233L1262	3.0	74.3	99.7	52.2	66.9	19.6	16.5	5286.6	2972.1
7	223L1236	3.0	72.7	98.0	48.8	67.3	9.8	7.7	5275.9	3877.7
36	PVL04	3.0	79.7	99.3	47.6	64.5	15.5	13.1	5244.8	3016.3
21	233L1228	3.0	76.0	94.7	57.3	68.2	12.3	8.0	5133.8	2658.4
13	233L1081	1.7	77.7	96.0	52.5	66.9	13.1	9.6	5121.3	3293.9
12	233L1079	3.0	80.0	95.7	56.5	68.9	15.6	13.7	5015.4	3366.7
11	233L1074	2.3	73.3	95.3	59.1	69.1	16.6	14.7	4985.8	3362.2
6	223L1216	3.0	77.0	91.0	55.0	66.5	17.4	15.3	4860.2	3329.2
32	191M1192-PV- 002-bulk	3.0	79.0	92.3	59.6	66.1	14.9	11.6	4795.1	2493.4
28	RU1902227-PV- 001-bulk	3.0	83.0	83.3	60.5	67.4	9.6	4.6	4412.6	2210.3
27	23AR2111	3.0	83.3	107.0	46.7	62.3	25.8	23.8	4281.9	3893.3
4	223L1139	3.0	83.3	98.0	50.8	63.6	15.7	11.7	3816.3	3249.6
26	24AR2120	3.0	83.0	98.0	43.9	62.7	24.5	23.4	3557.6	2925.7

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 9. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
38	CLL18	3.7	83.3	115.7	58.0	69.6	19.2	18.9	11781.7	2156.4
27	232M1114	5.0	83.7	113.7	67.6	72.3	13.1	9.3	11599.2	4202.5
25	232M1070	5.0	83.3	106.3	65.1	72.0	12.6	9.8	11461.3	4579.5
9	19T-179-23	3.7	85.3	109.7	66.3	71.9	18.2	13.0	11344.7	3952.5
13	19T-176-CONV-38	3.7	83.3	110.7	66.4	73.2	9.6	4.9	11248.0	4429.4
23	232L1171	4.3	81.7	106.0	66.7	73.7	13.5	10.7	11211.8	3814.8
26	232M1097	6.3	86.7	109.7	65.8	70.9	10.1	7.7	11178.5	4196.8
39	CLM04	5.0	84.0	113.7	67.8	72.4	10.0	6.8	11103.1	4068.7
28	19T-176-CONV-10	3.7	82.0	109.0	62.3	72.5	12.0	6.8	11078.0	4563.0
29	24AR1136	3.7	82.3	117.0	64.4	72.4	18.5	15.6	10995.8	3588.0
40	CLM05	3.7	85.0	103.7	65.3	69.5	12.4	8.6	10941.2	3903.2
12	19T-183-CL-6	5.0	82.0	106.3	64.9	71.7	18.4	14.5	10767.2	4018.2
22	232L1170	5.0	82.7	112.0	66.3	73.0	12.1	10.3	10623.1	4055.9
11	222M1096	5.7	87.0	104.0	70.2	73.2	9.0	5.5	10514.9	4401.8
21	232L1074	4.3	80.7	108.7	68.0	74.3	9.9	7.7	10405.2	3689.3
8	222L1161	3.7	76.3	105.3	64.4	72.0	13.7	10.7	10297.1	4759.0
20	MP8_379	3.7	77.3	96.7	56.3	72.3	27.7	22.3	10279.7	3716.2
15	232L1187	4.3	84.3	102.7	66.8	73.3	17.2	14.4	10214.8	4050.3
7	222L1082	5.0	78.0	112.0	68.8	74.1	11.5	9.5	10186.6	3731.9
19	232L1268	5.0	81.0	103.7	65.4	72.9	22.8	23.2	10176.3	3660.2
4	19T-029-4	4.3	79.7	108.0	67.4	73.0	11.9	9.0	9929.2	3626.3
16	232L1210	5.0	77.7	98.3	67.3	73.0	18.4	17.4	9819.8	3375.9
3	RU2102222	6.3	84.3	101.0	68.1	73.8	12.3	12.1	9809.6	2884.5
2	222L1147	5.0	82.0	103.0	61.3	73.1	15.7	14.6	9660.1	3055.2
24	232M1044	5.0	85.7	109.7	68.4	72.7	16.1	12.6	9307.6	4221.4
5	19T-033-38	5.0	81.0	106.7	66.6	73.2	14.8	13.1	9214.4	4074.6
34	24DGL-5786CL	5.0	89.7	96.7	66.2	72.9	11.6	11.3	9207.7	2884.5
35	CL153	5.7	83.7	105.7	69.7	74.4	14.1	11.5	9107.3	3225.1
36	CLJ01	4.3	83.7	105.3	71.2	74.2	3.4	3.1	9104.8	3685.1
37	CLL19	5.0	78.3	100.0	66.3	73.3	22.8	21.7	8715.5	3613.2
6	19T-033-63	5.7	82.3	101.7	66.8	73.4	15.5	12.5	8644.0	3499.7
18	232L1242	4.3	76.0	104.7	66.3	74.2	19.6	19.1	8480.1	3739.9
30	24DGL-5659CL	4.3	87.7	97.3	65.2	72.9	9.6	8.6	8374.5	2777.6
31	24DGL-5664CL	5.7	89.0	99.7	64.9	72.8	9.3	9.0	8285.3	2221.9
10	19T-183-CL-1	5.0	82.7	112.0	62.8	70.4	26.8	23.5	8162.4	4068.4
32	24DGL-5676CL	4.3	90.0	97.3	64.2	72.9	9.5	9.1	8022.8	2344.3
14	222A2014	4.3	79.0	113.0	67.7	73.2	9.8	7.8	7860.8	3610.2
1	212L2252	5.7	83.3	103.3	69.8	74.5	7.0	6.7	7784.2	3767.9
17	232L1225	4.3	74.3	99.0	66.8	73.5	12.6	11.8	7559.6	3745.2
33	24DGL-56784CL	5.0	87.7	97.0	65.4	72.9	10.0	9.5	7241.1	2254.9

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 10. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
24	23AR151	4.3	83.3	111.3	57.2	70.7	17.4	11.8	11999.3	4683.7
38	CLM05	5.0	85.7	101.0	63.8	68.5	11.6	7.7	11264.6	4175.2
21	231M1076	5.7	85.7	107.7	66.3	70.9	7.9	3.8	11112.5	4511.1
20	231M1075	6.3	83.7	106.3	60.5	68.0	25.3	22.0	11100.0	3361.6
25	RU2301045	5.0	82.3	108.7	55.6	69.7	15.2	14.6	11053.8	4701.1
31	Taurus	5.0	82.0	92.3	62.5	70.4	10.0	5.3	10809.7	4371.7
2	19T-238-13	5.0	82.7	102.7	66.2	72.8	21.9	19.7	10746.0	3783.9
23	231M1103	5.0	82.0	108.0	65.1	70.9	15.0	9.6	10637.3	4355.5
22	231M1102	5.0	82.0	104.7	64.1	70.6	10.4	6.8	10634.0	4570.3
32	Titan	5.0	79.3	106.3	65.6	70.3	11.1	5.3	10595.0	4798.7
3	19T-238-62	5.0	82.7	108.7	62.1	71.7	18.4	16.2	10377.4	4357.9
28	23DGL5010	5.0	84.7	103.0	60.5	69.3	13.4	10.4	10368.7	4029.8
26	23DGL088	5.7	84.7	101.0	60.6	68.6	13.7	12.1	10296.3	3980.3
7	221L1002	5.0	81.0	107.0	64.1	71.9	19.3	19.4	10261.0	3938.8
16	231L1261	5.0	80.7	108.0	65.1	72.5	16.0	12.2	10253.0	3981.7
40	Venus	7.0	83.7	107.0	65.4	69.8	12.9	8.0	10224.7	4545.3
17	231L1241	5.0	78.3	96.7	65.4	72.1	16.0	14.2	10197.9	4102.5
29	23DGL1041	5.0	85.0	109.0	58.5	67.8	12.7	10.8	10159.3	4216.4
11	19T-176-CONV-36	5.0	83.0	110.3	57.9	70.1	11.5	6.6	10132.4	4639.4
15	231L1103	5.0	80.0	102.3	66.9	72.8	13.0	12.2	10043.5	3983.6
18	231L1243	6.3	82.0	106.7	65.9	72.6	13.9	12.7	10004.1	4058.8
30	23DGL1089	5.7	85.0	102.7	59.6	67.7	13.2	10.3	9949.2	3587.4
9	221L1087	5.0	81.7	99.7	66.2	72.7	19.5	18.6	9803.9	4446.4
19	231M1056	5.7	84.3	106.3	63.8	70.7	17.2	15.2	9708.2	4275.4
6	19T-218-43	5.0	82.7	103.7	64.2	71.9	15.5	16.9	9669.9	3970.7
39	DG263L	4.3	81.3	99.0	56.8	68.0	15.5	13.6	9586.0	4193.8
37	PVL03	5.0	82.0	102.3	64.0	73.5	13.3	11.9	9514.4	3801.7
36	Jupiter	5.7	86.0	103.3	63.4	68.9	15.1	10.5	9498.8	3451.8
14	231L1086	5.0	77.0	98.7	66.0	73.0	12.8	11.2	9481.2	3995.4
13	231L1085	5.0	76.7	103.7	66.1	73.0	11.6	8.7	9436.4	3745.4
33	Avant	5.0	74.7	95.0	66.9	73.0	15.7	14.9	9407.9	3791.7
12	231L1082	5.0	77.3	105.0	65.5	72.8	10.0	7.6	9366.2	4059.8
8	221L1013	5.0	77.3	99.3	66.3	72.4	14.9	15.1	9238.1	4177.7
34	Cheniere	5.0	84.3	100.3	69.1	74.3	8.6	7.0	9197.0	3975.3
5	211L1008	5.7	78.0	104.7	66.3	72.3	15.0	14.6	9146.3	3687.3
1	211L1331	5.7	86.0	106.7	63.1	71.4	12.4	13.2	9100.3	3906.3
4	201L1251	5.0	85.3	100.3	59.6	70.2	14.1	11.8	8891.8	3444.1
35	CLL19	5.0	80.3	97.0	61.9	71.0	20.2	18.8	8880.0	3627.1
27	23DGL090	5.0	85.3	107.3	61.0	70.3	7.3	4.8	8851.3	5368.6
10	MP6 295	5.0	82.0	99.7	57.7	69.8	20.9	18.9	8681.1	4211.9

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 11. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
31	DG263L-PV-									
	010-bulk	3.7	81.7	104.7	60.7	69.5	14.6	13.1	11602.2	4114.8
2	PVL05	6.3	83.3	100.3	60.8	71.9	14.9	13.7	11350.1	2652.6
13	233L1081	5.0	79.7	101.0	67.3	73.8	16.1	14.1	11285.6	4344.6
4	223L1139	6.3	86.3	103.0	67.0	72.7	15.7	14.0	11131.4	4471.8
14	233L1085	3.7	79.3	108.0	68.2	74.7	13.5	11.6	11043.3	3766.7
25	24DGL-4464PV	3.7	82.3	104.7	60.8	70.0	16.6	13.1	11019.8	3633.6
24	23DGL-007PV-2	5.7	87.3	102.7	63.6	70.6	13.5	11.5	10910.8	3124.1
30	DG263L-PV-									
	012-bulk	3.0	82.3	101.0	61.1	69.3	16.9	15.3	10900.6	3177.4
27	23AR2111	4.3	86.0	113.0	63.2	72.2	17.7	17.8	10880.9	4290.5
26	24AR2120	3.7	87.0	111.0	60.6	71.2	20.3	18.9	10861.2	4085.5
16	233L1089	5.0	82.3	102.7	68.2	73.4	13.4	12.2	10842.1	4151.2
8	233L1262	5.0	79.0	106.7	65.3	74.0	17.8	17.0	10805.6	4439.5
9	233L1268	3.7	81.0	105.0	67.3	72.9	14.9	14.0	10796.5	4480.9
33	23AR2205	5.0	85.7	106.7	64.9	70.6	18.1	15.6	10732.3	2920.7
18	233L1095	4.3	78.0	100.7	64.4	73.0	13.2	10.6	10682.3	4409.5
3	223L1065	5.0	81.0	102.0	68.0	74.5	15.8	14.1	10632.3	3768.4
35	DG563PVL	5.0	87.3	97.7	62.2	70.9	16.7	15.7	10543.8	2155.0
15	233L1088	4.3	80.0	110.3	63.1	72.1	19.8	18.3	10505.0	4118.0
34	PVL03	3.0	79.3	108.7	63.6	72.6	17.8	16.0	10458.9	3787.7
17	233L1093	4.3	79.3	108.0	65.0	72.8	19.8	18.0	10434.5	4086.8
6	223L1216	5.0	82.7	102.0	65.9	72.7	17.1	17.1	10398.5	4447.2
5	223L1213	5.0	76.3	109.7	63.8	72.6	20.3	19.2	10395.5	4232.2
20	233L1237	3.7	79.0	102.0	61.9	71.7	17.6	17.5	10372.5	3257.0
29	DG263L-PV-									
	014-bulk	4.3	82.0	102.0	60.5	69.4	13.5	11.6	10371.9	4156.7
1	213L1130	5.0	81.0	102.7	62.3	71.6	17.2	15.8	10194.7	3776.8
23	23DGL-024PV-3	5.7	88.7	101.3	64.2	71.2	16.7	12.8	10172.2	2680.1
12	233L1079	6.3	83.3	103.0	65.5	72.8	18.7	17.5	10145.9	4217.4
19	19T-262-55	5.7	81.3	106.0	67.2	74.0	13.4	10.8	10050.6	3808.4
11	233L1074	3.7	77.0	102.3	66.8	73.5	19.3	19.9	9947.2	3749.6
32	191M1192-PV-									
	002-bulk	5.7	81.0	110.7	65.2	71.6	11.7	8.1	9904.3	4043.6
10	233L1063	7.0	87.0	105.3	60.4	70.4	18.7	16.7	9837.0	4504.1
36	PVL04	5.0	86.7	107.0	61.8	71.7	16.8	16.4	9611.1	2368.9
21	233L1228	5.0	81.3	101.3	67.3	73.4	13.3	11.3	9565.3	3426.0
28	RU1902227-PV-									
	001-bulk	7.0	85.0	101.3	66.6	72.5	11.0	9.7	9441.7	4521.1
22	23DGL-001PV	3.7	78.0	96.0	61.0	70.6	18.2	15.7	9318.5	3016.4
7	223L1236	5.0	78.3	112.0	60.5	71.2	15.4	14.2	8209.5	4051.5

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 12. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. McNeese State University, Calcasieu Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
13	19T-176-CONV-38	-	-	-	46.7	68.0	11.5	5.7	8763.0	-
28	19T-176-CONV-10	-	-	-	46.9	68.3	13.7	6.5	8644.7	-
10	19T-183-CL-1	-	-	-	53.3	65.6	23.2	17.4	8627.1	-
26	232M1097	-	-	-	51.0	65.2	13.3	9.8	8599.6	-
25	232M1070	-	-	-	46.6	67.7	10.5	6.8	8477.7	-
9	19T-179-23	-	-	-	50.5	65.8	16.6	11.0	8443.7	-
40	CLM05	-	-	-	52.4	66.3	15.4	12.1	8276.0	-
39	CLM04	-	-	-	52.3	66.3	9.9	5.4	8101.9	-
27	232M1114	-	-	-	49.9	66.0	14.8	10.8	8039.0	-
11	222M1096	-	-	-	49.4	66.6	13.3	9.3	7605.2	-
3	RU2102222	-	-	-	48.8	66.1	12.4	10.5	7495.4	-
12	19T-183-CL-6	-	-	-	45.8	64.2	15.7	11.0	7485.9	-
38	CLL18	-	-	-	43.0	64.6	19.5	17.2	7436.8	-
2	222L1147	-	-	-	48.1	67.9	12.8	10.6	7299.4	-
20	MP8_379	-	-	-	38.9	67.1	21.3	13.5	7241.4	-
5	19T-033-38	-	-	-	46.8	65.6	15.1	12.5	7229.9	-
19	232L1268	-	-	-	41.4	65.8	20.2	18.5	7177.2	-
7	222L1082	-	-	-	47.9	67.3	11.9	9.6	7157.0	-
24	232M1044	-	-	-	47.7	64.7	15.7	10.4	7030.0	-
23	232L1171	-	-	-	47.4	63.9	10.2	7.7	6928.7	-
22	232L1170	-	-	-	47.0	64.6	12.6	9.9	6841.9	-
29	24AR1136	-	-	-	45.4	66.1	14.5	11.3	6833.8	-
21	232L1074	-	-	-	46.2	65.8	14.0	12.0	6783.5	-
4	19T-029-4	-	-	-	45.2	66.6	14.1	10.9	6733.9	-
6	19T-033-63	-	-	-	43.1	65.7	17.8	15.4	6529.4	-
14	222A2014	-	-	-	51.5	67.0	11.3	9.0	6399.1	-
16	232L1210	-	-	-	46.8	64.0	17.2	15.7	6257.3	-
18	232L1242	-	-	-	46.6	65.4	13.8	10.9	6219.1	-
15	232L1187	-	-	-	37.6	60.7	20.5	18.2	6135.5	-
1	212L2252	-	-	-	46.7	66.6	8.6	7.2	6012.0	-
37	CLL19	-	-	-	39.4	65.1	19.5	16.9	5992.1	-
34	24DGL-5786CL	-	-	-	51.6	65.4	9.9	8.9	5991.6	-
35	CL153	-	-	-	41.3	63.8	12.9	10.7	5824.7	-
17	232L1225	-	-	-	47.5	66.2	13.7	12.5	5763.0	-
30	24DGL-5659CL	-	-	-	44.6	63.8	11.2	10.1	5745.9	-
31	24DGL-5664CL	-	-	-	42.8	61.9	11.1	9.8	5502.2	-
8	222L1161	-	-	-	38.7	62.7	18.8	16.4	5362.1	-
33	24DGL-56784CL	-	-	-	41.8	63.6	13.0	10.9	5285.3	-
36	CLJ01	-	-	-	41.9	64.0	6.2	3.5	5184.4	-
32	24DGL-5676CL	-	-	-	36.1	60.5	12.5	10.7	5109.6	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 13. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. McNeese State University, Calcasieu Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
11	19T-176-CONV-36	-	-	-	44.2	69.7	12.2	5.7	8718.3	-
23	231M1103	-	-	-	42.7	68.2	15.8	10.5	8556.8	-
28	23DGL5010	-	-	-	37.1	63.9	14.7	11.2	8067.8	-
3	19T-238-62	-	-	-	43.8	69.2	17.4	15.7	8037.7	-
39	DG263L	-	-	-	36.6	63.8	14.9	12.1	8019.8	-
30	23DGL1089	-	-	-	33.5	64.7	14.2	11.6	7881.9	-
29	23DGL1041	-	-	-	37.0	63.5	14.5	11.4	7878.6	-
38	CLM05	-	-	-	45.2	66.9	16.6	12.0	7863.5	-
31	Taurus	-	-	-	37.3	68.9	12.6	7.8	7748.0	-
26	23DGL088	-	-	-	43.6	64.4	12.5	8.8	7619.0	-
27	23DGL090	-	-	-	46.8	64.3	12.5	10.4	7386.3	-
15	231L1103	-	-	-	41.6	66.5	13.3	11.6	7343.7	-
21	231M1076	-	-	-	38.3	67.6	12.4	7.9	7327.8	-
13	231L1085	-	-	-	53.6	69.9	10.7	6.4	7276.7	-
18	231L1243	-	-	-	45.0	68.1	9.5	6.1	7207.4	-
32	Titan	-	-	-	42.1	69.0	14.3	8.1	7194.6	-
24	23AR151	-	-	-	31.2	67.3	20.3	15.6	7160.7	-
12	231L1082	-	-	-	50.8	69.5	9.6	7.0	7156.3	-
40	Venus	-	-	-	47.2	68.3	16.5	11.3	7010.4	-
17	231L1241	-	-	-	41.8	67.3	12.3	8.9	6969.2	-
16	231L1261	-	-	-	38.5	67.8	15.7	11.6	6943.5	-
35	CLL19	-	-	-	39.8	66.0	16.6	12.9	6925.5	-
19	231M1056	-	-	-	43.6	68.1	14.6	9.9	6772.7	-
14	231L1086	-	-	-	51.3	68.5	12.4	10.0	6728.2	-
1	211L1331	-	-	-	40.8	66.7	10.4	9.0	6725.3	-
37	PVL03	-	-	-	39.2	67.1	16.5	14.4	6650.3	-
22	231M1102	-	-	-	35.6	67.2	13.1	7.8	6568.5	-
10	MP6_295	-	-	-	40.8	65.0	23.1	20.1	6523.6	-
36	Jupiter	-	-	-	52.1	66.0	16.8	10.7	6500.4	-
5	211L1008	-	-	-	43.7	67.7	14.3	12.9	6486.4	-
4	201L1251	-	-	-	38.3	65.7	16.2	12.8	6483.8	-
6	19T-218-43	-	-	-	41.1	66.2	10.5	8.8	6327.4	-
8	221L1013	-	-	-	42.4	65.6	16.1	14.2	6324.2	-
20	231M1075	-	-	-	47.4	65.4	22.2	18.3	6292.8	-
7	221L1002	-	-	-	38.7	66.7	16.1	13.5	6191.7	-
25	RU2301045	-	-	-	49.0	65.9	11.3	8.2	5876.4	-
33	Avant	-	-	-	43.1	65.3	13.2	11.8	5719.2	-
2	19T-238-13	-	-	-	43.3	65.7	19.3	15.8	5688.7	-
34	Cheniere	-	-	-	49.7	68.3	7.2	5.7	5048.0	-
9	221L1087	-	-	-	39.8	65.9	14.4	10.1	5005.2	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 14. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia. McNeese State University, Calcasieu Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
33	23AR2205	-	-	-	54.9	68.2	16.0	12.5	8117.7	-
31	DG263L-PV- 010-bulk	-	-	-	39.2	63.7	15.2	14.1	7501.4	-
2	PVL05	-	-	-	40.6	64.7	13.7	11.6	7208.1	-
29	DG263L-PV- 014-bulk	-	-	-	43.6	66.0	12.9	10.7	7139.9	-
13	233L1081	-	-	-	43.0	64.8	12.6	11.0	6920.2	-
4	223L1139	-	-	-	48.3	66.4	13.8	10.5	6910.7	-
25	24DGL-4464PV	-	-	-	46.7	67.1	14.3	12.5	6906.0	-
27	23AR2111	-	-	-	46.1	64.8	18.3	17.4	6864.3	-
35	DG563PVL	-	-	-	46.6	66.1	13.4	11.6	6814.9	-
9	233L1268	-	-	-	43.2	67.2	12.7	11.5	6809.7	-
7	223L1236	-	-	-	42.9	66.9	9.5	7.3	6795.8	-
26	24AR2120	-	-	-	40.2	64.7	18.3	16.9	6780.4	-
32	191M1192-PV- 002-bulk	-	-	-	53.5	68.2	12.4	7.3	6710.3	-
30	DG263L-PV- 012-bulk	-	-	-	38.8	64.4	16.9	15.2	6689.4	-
23	23DGL-024PV-3	-	-	-	51.2	67.1	16.5	13.9	6675.1	-
28	RU1902227-PV- 001-bulk	-	-	-	51.5	68.5	7.9	4.8	6658.7	-
24	23DGL-007PV-2	-	-	-	52.8	69.3	13.2	11.1	6612.7	-
36	PVL04	-	-	-	50.5	67.0	13.7	11.9	6592.1	-
19	19T-262-55	-	-	-	36.8	67.4	10.7	9.3	6588.7	-
8	233L1262	-	-	-	40.6	65.6	15.7	14.3	6447.2	-
6	223L1216	-	-	-	47.8	65.8	17.3	16.0	6304.1	-
21	233L1228	-	-	-	42.9	67.9	9.2	7.4	6278.6	-
15	233L1088	-	-	-	46.0	65.9	13.6	11.5	6272.9	-
1	213L1130	-	-	-	39.7	63.1	11.9	9.5	6259.5	-
17	233L1093	-	-	-	40.4	65.0	15.1	14.2	6233.5	-
12	233L1079	-	-	-	45.7	64.5	11.4	9.7	6181.0	-
34	PVL03	-	-	-	37.2	64.7	15.4	14.7	6112.8	-
16	233L1089	-	-	-	45.1	67.1	11.4	9.6	5919.6	-
3	223L1065	-	-	-	38.8	65.6	12.0	10.0	5910.1	-
10	233L1063	-	-	-	40.4	62.1	23.8	23.4	5885.2	-
14	233L1085	-	-	-	38.1	65.9	13.5	11.1	5782.3	-
11	233L1074	-	-	-	47.3	67.8	14.5	14.1	5773.8	-
5	223L1213	-	-	-	41.5	66.7	17.8	17.0	5732.2	-
18	233L1095	-	-	-	36.3	66.2	10.8	8.5	5571.6	-
20	233L1237	-	-	-	38.6	64.3	14.2	12.6	5260.4	-
22	23DGL-001PV	-	-	-	44.4	67.5	18.7	15.6	4824.6	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 15. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. Mamou, Evangeline Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
30	23DGL1089	1.7	-	95.7	60.8	70.1	13.3	10.7	11048.8	-
28	23DGL5010	3.0	-	90.3	62.6	70.4	14.0	11.2	10963.9	-
38	CLM05	1.7	-	86.7	64.3	70.1	13.9	9.6	10904.8	-
29	23DGL1041	1.0	-	99.0	59.2	69.4	12.0	9.4	10656.6	-
31	Taurus	1.7	-	81.0	62.8	71.7	7.0	2.6	10609.8	-
26	23DGL088	1.0	-	94.7	60.7	69.9	14.4	12.3	10524.0	-
27	23DGL090	2.3	-	93.3	65.5	71.5	8.7	6.7	10375.3	-
11	19T-176-CONV-36	1.7	-	96.3	58.4	71.1	9.9	4.4	10346.0	-
23	231M1103	3.0	-	89.0	63.9	71.6	15.9	9.3	10327.4	-
39	DG263L	1.0	-	93.0	60.7	70.4	12.2	9.6	10235.2	-
18	231L1243	2.3	-	95.7	63.8	73.3	15.6	13.4	10188.0	-
10	MP6_295	3.0	-	91.3	58.8	71.6	25.6	22.3	10131.2	-
16	231L1261	2.3	-	92.3	58.4	72.7	15.8	11.5	10056.0	-
4	201L1251	2.3	-	88.0	52.9	71.5	16.8	14.6	10039.8	-
17	231L1241	3.0	-	88.7	60.7	73.1	16.3	13.0	9999.7	-
24	23AR151	3.0	-	96.7	38.5	70.5	21.8	19.5	9947.2	-
3	19T-238-62	2.3	-	97.7	54.4	71.4	19.9	18.9	9793.9	-
36	Jupiter	2.3	-	85.3	64.2	70.4	17.4	11.0	9713.0	-
25	RU2301045	2.3	-	90.7	54.3	71.4	13.9	11.7	9603.6	-
6	19T-218-43	1.7	-	93.3	64.7	74.1	18.6	19.3	9589.3	-
2	19T-238-13	3.0	-	90.0	60.2	72.9	17.4	14.1	9549.1	-
19	231M1056	3.0	-	93.3	64.5	71.6	14.7	10.7	9477.2	-
35	CLL19	3.0	-	88.7	62.9	72.3	24.0	20.1	9340.0	-
37	PVL03	1.0	-	89.7	56.3	72.3	15.8	14.3	9212.2	-
7	221L1002	1.0	-	101.7	58.5	72.6	21.6	19.6	9057.8	-
34	Cheniere	3.0	-	88.3	69.3	75.2	8.9	7.6	8991.1	-
20	231M1075	3.0	-	89.0	61.6	70.0	20.2	15.8	8960.1	-
9	221L1087	1.7	-	83.0	59.5	72.5	19.0	15.6	8874.1	-
1	211L1331	3.0	-	91.0	63.6	72.0	13.1	12.2	8866.0	-
21	231M1076	3.0	-	86.7	63.0	71.3	8.1	3.0	8805.4	-
13	231L1085	1.0	-	87.7	59.6	72.5	14.0	10.4	8393.5	-
5	211L1008	3.0	-	93.7	62.8	71.9	15.0	14.3	8189.5	-
12	231L1082	1.0	-	87.3	60.6	71.8	12.8	11.0	7987.1	-
15	231L1103	2.3	-	87.0	61.8	72.2	13.6	12.3	7974.2	-
32	Titan	3.0	-	87.7	50.5	70.0	13.3	6.3	7766.0	-
22	231M1102	3.0	-	88.3	45.6	69.9	10.5	5.0	7759.5	-
8	221L1013	3.0	-	88.0	64.0	72.4	15.3	14.9	7634.6	-
14	231L1086	1.7	-	81.7	63.4	72.5	12.6	10.6	7215.8	-
40	Venus	3.7	-	86.7	57.0	70.5	10.6	4.2	7093.2	-
33	Avant	1.0	-	83.7	61.3	71.6	19.9	18.7	6513.4	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 16. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. Winnsboro, Franklin Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
9	19T-179-23	-	-	104.0	64.2	70.4	19.8	13.4	11466.1	-
6	19T-033-63	-	-	106.0	64.1	71.3	15.4	11.3	11285.3	-
16	232L1210	-	-	100.3	64.0	71.3	18.8	16.9	11203.9	-
25	232M1070	-	-	102.7	64.7	70.3	13.1	10.4	11147.0	-
13	19T-176-CONV-38	-	-	108.7	60.7	71.6	11.6	7.1	11131.3	-
20	MP8_379	-	-	103.0	61.7	72.4	25.3	17.9	11092.9	-
7	222L1082	-	-	112.0	66.3	71.8	11.7	9.2	11069.8	-
27	232M1114	-	-	100.7	58.0	70.2	14.6	9.9	11067.2	-
24	232M1044	-	-	109.3	63.2	71.0	16.6	9.8	11036.0	-
2	222L1147	-	-	107.0	59.8	71.0	18.0	15.0	10980.2	-
18	232L1242	-	-	106.0	66.3	72.2	16.5	13.4	10944.6	-
5	19T-033-38	-	-	111.7	65.3	71.3	14.4	11.6	10803.0	-
38	CLL18	-	-	107.3	60.5	69.1	21.3	17.8	10789.2	-
37	CLL19	-	-	101.7	61.8	70.6	20.9	17.4	10632.0	-
4	19T-029-4	-	-	112.3	65.0	71.1	13.6	8.8	10589.3	-
22	232L1170	-	-	113.0	64.9	70.7	14.1	10.6	10550.3	-
10	19T-183-CL-1	-	-	101.3	61.1	68.9	27.1	20.0	10527.0	-
15	232L1187	-	-	106.3	65.2	71.6	15.4	11.9	10464.9	-
29	24AR1136	-	-	107.0	62.5	70.7	17.7	13.6	10404.1	-
11	222M1096	-	-	101.3	67.5	71.6	14.2	10.2	10387.3	-
8	222L1161	-	-	102.7	63.3	70.6	14.2	10.8	10256.2	-
14	222A2014	-	-	115.7	66.0	71.4	13.8	12.5	10244.4	-
19	232L1268	-	-	103.7	59.3	70.6	21.4	17.5	10138.6	-
40	CLM05	-	-	97.7	64.4	69.2	19.0	15.2	10136.8	-
17	232L1225	-	-	104.7	65.2	70.8	14.6	11.8	10133.9	-
26	232M1097	-	-	102.0	64.4	69.2	14.0	10.7	10127.3	-
23	232L1171	-	-	107.0	65.3	71.4	11.7	8.2	10116.2	-
21	232L1074	-	-	110.7	62.6	70.5	13.6	10.1	9985.9	-
3	RU2102222	-	-	93.7	64.0	71.3	10.8	9.0	9854.7	-
39	CLM04	-	-	106.3	66.6	71.4	12.3	8.1	9707.1	-
28	19T-176-CONV-10	-	-	106.7	62.4	71.5	15.7	11.4	9643.8	-
12	19T-183-CL-6	-	-	99.7	61.9	70.4	21.4	15.6	9533.0	-
35	CL153	-	-	104.0	65.5	71.6	10.7	7.3	9402.1	-
1	212L2252	-	-	104.3	66.0	71.8	8.8	8.4	9228.8	-
36	CLJ01	-	-	104.7	67.4	72.0	4.3	3.0	8827.6	-
34	24DGL-5786CL	-	-	92.0	63.7	70.5	12.6	11.2	8201.5	-
31	24DGL-5664CL	-	-	95.7	64.7	70.9	14.1	12.0	7862.0	-
30	24DGL-5659CL	-	-	98.7	63.8	70.9	12.1	10.6	7854.0	-
32	24DGL-5676CL	-	-	96.0	62.8	70.7	13.7	12.1	7531.9	-
33	24DGL-56784CL	-	-	92.0	61.9	70.4	15.0	13.0	7363.4	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 17. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. Winnsboro, Franklin Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
25	RU2301045	-	-	103.7	60.8	69.9	17.7	15.1	11988.1	-
24	23AR151	-	-	109.0	49.3	71.6	21.9	18.3	11928.1	-
28	23DGL5010	-	-	100.7	61.1	69.7	18.9	14.8	11843.2	-
29	23DGL1041	-	-	103.3	61.8	70.0	18.1	13.8	11684.1	-
12	231L1082	-	-	102.3	63.7	71.6	12.9	9.9	11669.3	-
30	23DGL1089	-	-	102.3	61.6	69.5	19.5	16.1	11572.2	-
26	23DGL088	-	-	98.0	61.2	69.7	18.5	15.0	11482.5	-
38	CLM05	-	-	97.3	60.7	68.7	18.7	14.9	11376.5	-
4	201L1251	-	-	98.7	57.3	71.1	15.2	11.0	11374.5	-
17	231L1241	-	-	101.3	62.7	72.0	14.3	10.8	11362.7	-
2	19T-238-13	-	-	101.3	61.1	72.3	18.9	15.8	11305.3	-
18	231L1243	-	-	103.7	61.2	70.9	12.2	9.0	11258.8	-
39	DG263L	-	-	99.0	61.5	69.4	18.3	14.9	11183.0	-
35	CLL19	-	-	100.0	59.8	70.9	18.6	14.1	11125.7	-
5	211L1008	-	-	105.7	63.6	70.9	16.1	14.0	10998.4	-
13	231L1085	-	-	107.0	65.7	73.2	12.6	9.2	10963.2	-
14	231L1086	-	-	101.3	63.8	71.4	14.9	12.0	10897.4	-
8	221L1013	-	-	102.3	62.4	71.4	16.9	15.6	10850.7	-
15	231L1103	-	-	100.7	61.7	71.1	15.3	13.2	10839.6	-
3	19T-238-62	-	-	111.0	61.3	71.7	21.7	20.1	10698.5	-
27	23DGL090	-	-	101.0	61.7	70.2	15.2	13.2	10693.4	-
33	Avant	-	-	96.0	62.3	71.4	20.0	18.1	10638.1	-
21	231M1076	-	-	101.3	62.4	70.4	13.0	9.6	10633.6	-
10	MP6_295	-	-	101.7	59.1	69.7	23.9	21.3	10613.8	-
6	19T-218-43	-	-	101.3	60.2	71.1	12.8	11.0	10562.1	-
11	19T-176-CONV-36	-	-	103.7	55.3	70.8	13.4	8.8	10523.1	-
7	221L1002	-	-	105.7	61.6	70.9	21.0	18.8	10461.4	-
37	PVL03	-	-	104.7	59.2	72.1	14.8	12.4	10455.4	-
9	221L1087	-	-	99.7	63.4	72.1	18.4	15.0	10378.5	-
16	231L1261	-	-	104.7	60.5	71.6	16.9	12.3	10314.9	-
22	231M1102	-	-	101.0	57.5	71.3	15.5	10.2	9975.6	-
23	231M1103	-	-	102.0	57.4	70.5	19.4	14.5	9941.9	-
1	211L1331	-	-	106.0	60.1	70.3	11.2	9.7	9779.8	-
31	Taurus	-	-	87.3	59.0	71.2	13.8	10.3	9601.9	-
19	231M1056	-	-	106.3	59.8	70.6	17.1	14.0	9539.3	-
32	Titan	-	-	96.7	59.0	70.8	17.7	12.4	9413.4	-
36	Jupiter	-	-	96.0	61.5	70.5	19.7	13.9	9302.5	-
40	Venus	-	-	101.3	58.7	69.7	17.9	13.1	9292.8	-
20	231M1075	-	-	99.0	57.7	69.1	27.7	23.5	9252.4	-
34	Cheniere	-	-	96.0	66.3	72.9	10.1	8.5	8722.2	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 18. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia, Winnsboro, Franklin Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
31	DG263L-PV-010- bulk	-	-	104.3	61.0	69.8	15.2	13.3	10310.1	-
26	24AR2120	-	-	109.7	58.2	70.9	18.4	16.7	10236.2	-
27	23AR2111	-	-	107.0	60.8	70.9	21.2	21.0	10203.6	-
35	DG563PVL	-	-	100.7	61.7	70.8	18.9	16.3	9707.0	-
10	233L1063	-	-	105.3	57.2	69.4	23.5	22.9	9512.0	-
4	223L1139	-	-	103.7	64.6	72.1	15.7	12.9	9510.3	-
24	23DGL-007PV-2	-	-	99.0	65.3	71.6	13.7	10.6	9394.0	-
30	DG263L-PV-012- bulk	-	-	104.3	60.1	70.1	17.4	15.9	9162.3	-
25	24DGL-4464PV	-	-	106.3	60.8	69.6	18.8	15.6	9132.4	-
6	223L1216	-	-	100.7	62.2	71.3	17.9	17.3	9126.4	-
19	19T-262-55	-	-	111.7	59.3	72.5	12.8	10.6	9087.7	-
3	223L1065	-	-	99.0	62.6	72.7	14.7	13.0	9054.1	-
14	233L1085	-	-	108.7	58.3	72.1	14.8	13.1	9049.0	-
8	233L1262	-	-	111.3	60.8	72.1	17.5	15.7	9040.0	-
29	DG263L-PV-014- bulk	-	-	106.0	60.3	69.9	15.1	13.0	9029.4	-
33	23AR2205	-	-	103.0	64.2	70.0	19.6	15.3	8982.2	-
9	233L1268	-	-	105.0	61.9	72.1	11.1	9.8	8873.6	-
16	233L1089	-	-	99.0	63.3	71.5	9.7	9.3	8859.7	-
1	213L1130	-	-	100.7	59.3	70.9	15.0	13.1	8842.9	-
23	23DGL-024PV-3	-	-	99.3	61.7	70.2	17.5	13.9	8772.4	-
21	233L1228	-	-	99.7	63.0	71.9	12.1	10.7	8650.8	-
17	233L1093	-	-	108.7	62.8	72.3	12.2	11.1	8619.5	-
7	223L1236	-	-	110.3	56.3	70.5	14.8	13.9	8488.3	-
36	PVL04	-	-	108.7	61.3	71.0	15.8	14.4	8357.4	-
18	233L1095	-	-	104.0	55.8	72.1	14.8	12.5	8325.3	-
2	PVL05	-	-	100.7	55.7	71.0	18.1	16.5	8320.1	-
20	233L1237	-	-	95.7	58.5	70.6	18.1	15.9	8299.6	-
13	233L1081	-	-	104.3	62.4	72.3	12.4	10.8	8294.6	-
11	233L1074	-	-	98.3	63.7	72.3	13.9	12.1	8250.3	-
5	223L1213	-	-	111.0	58.7	70.7	21.6	20.5	8116.0	-
22	23DGL-001PV	-	-	95.0	60.8	70.9	19.4	14.2	8095.5	-
28	RU1902227-PV-001- bulk	-	-	95.7	63.4	71.7	10.2	8.5	8066.3	-
15	233L1088	-	-	110.0	62.5	71.8	15.0	13.5	7972.5	-
12	233L1079	-	-	100.3	59.9	71.6	14.9	13.2	7811.3	-
34	PVL03	-	-	108.0	59.2	71.7	13.0	11.2	7646.0	-
32	191M1192-PV-002- bulk	-	-	106.0	66.0	71.9	12.6	9.2	7550.8	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 19. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. St. Joseph, Tensas Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
11	222M1096	-	-	-	-	-	-	-	5398.2	-
40	CLM05	-	-	-	-	-	-	-	5056.9	-
26	232M1097	-	-	-	-	-	-	-	5042.3	-
10	19T-183-CL-1	-	-	-	-	-	-	-	5016.0	-
24	232M1044	-	-	-	-	-	-	-	4910.8	-
12	19T-183-CL-6	-	-	-	-	-	-	-	4626.1	-
13	19T-176-CONV-38	-	-	-	-	-	-	-	4494.7	-
38	CLL18	-	-	-	-	-	-	-	4462.8	-
15	232L1187	-	-	-	-	-	-	-	4085.4	-
27	232M1114	-	-	-	-	-	-	-	4026.3	-
39	CLM04	-	-	-	-	-	-	-	4017.6	-
3	RU2102222	-	-	-	-	-	-	-	3975.8	-
9	19T-179-23	-	-	-	-	-	-	-	3934.8	-
29	24AR1136	-	-	-	-	-	-	-	3763.7	-
21	232L1074	-	-	-	-	-	-	-	3666.8	-
28	19T-176-CONV-10	-	-	-	-	-	-	-	3655.2	-
22	232L1170	-	-	-	-	-	-	-	3592.4	-
8	222L1161	-	-	-	-	-	-	-	3585.4	-
25	232M1070	-	-	-	-	-	-	-	3581.6	-
35	CL153	-	-	-	-	-	-	-	3572.7	-
31	24DGL-5664CL	-	-	-	-	-	-	-	3534.8	-
20	MP8_379	-	-	-	-	-	-	-	3528.4	-
30	24DGL-5659CL	-	-	-	-	-	-	-	3474.1	-
5	19T-033-38	-	-	-	-	-	-	-	3442.5	-
34	24DGL-5786CL	-	-	-	-	-	-	-	3386.2	-
33	24DGL-56784CL	-	-	-	-	-	-	-	3358.2	-
23	232L1171	-	-	-	-	-	-	-	3247.9	-
2	222L1147	-	-	-	-	-	-	-	3224.0	-
37	CLL19	-	-	-	-	-	-	-	3155.1	-
4	19T-029-4	-	-	-	-	-	-	-	3007.5	-
17	232L1225	-	-	-	-	-	-	-	2938.2	-
6	19T-033-63	-	-	-	-	-	-	-	2735.0	-
32	24DGL-5676CL	-	-	-	-	-	-	-	2727.5	-
7	222L1082	-	-	-	-	-	-	-	2552.3	-
18	232L1242	-	-	-	-	-	-	-	2532.1	-
14	222A2014	-	-	-	-	-	-	-	2501.6	-
19	232L1268	-	-	-	-	-	-	-	2439.5	-
36	CLJ01	-	-	-	-	-	-	-	2419.0	-
1	212L2252	-	-	-	-	-	-	-	2392.2	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 20. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia. St. Joseph, Tensas Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
33	23AR2205	-	-	-	-	-	-	-	5357.9	-
27	23AR2111	-	-	-	-	-	-	-	5118.6	-
24	23DGL-007PV-2	-	-	-	-	-	-	-	5070.0	-
28	RU1902227-PV-001- bulk	-	-	-	-	-	-	-	4152.6	-
35	DG563PVL	-	-	-	-	-	-	-	4111.8	-
30	DG263L-PV-012- bulk	-	-	-	-	-	-	-	4034.0	-
25	24DGL-4464PV	-	-	-	-	-	-	-	4021.1	-
26	24AR2120	-	-	-	-	-	-	-	3989.0	-
31	DG263L-PV-010- bulk	-	-	-	-	-	-	-	3966.3	-
10	233L1063	-	-	-	-	-	-	-	3965.4	-
23	23DGL-024PV-3	-	-	-	-	-	-	-	3964.5	-
4	223L1139	-	-	-	-	-	-	-	3813.0	-
29	DG263L-PV-014- bulk	-	-	-	-	-	-	-	3770.8	-
12	233L1079	-	-	-	-	-	-	-	3697.2	-
16	233L1089	-	-	-	-	-	-	-	3417.6	-
32	191M1192-PV-002- bulk	-	-	-	-	-	-	-	3258.8	-
21	233L1228	-	-	-	-	-	-	-	3194.8	-
36	PVL04	-	-	-	-	-	-	-	3105.2	-
13	233L1081	-	-	-	-	-	-	-	2960.0	-
22	23DGL-001PV	-	-	-	-	-	-	-	2959.3	-
6	223L1216	-	-	-	-	-	-	-	2749.8	-
9	233L1268	-	-	-	-	-	-	-	2740.4	-
20	233L1237	-	-	-	-	-	-	-	2720.6	-
11	233L1074	-	-	-	-	-	-	-	2716.4	-
2	PVL05	-	-	-	-	-	-	-	2707.2	-
1	213L1130	-	-	-	-	-	-	-	2641.7	-
15	233L1088	-	-	-	-	-	-	-	2558.1	-
34	PVL03	-	-	-	-	-	-	-	2430.2	-
19	19T-262-55	-	-	-	-	-	-	-	2395.4	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 21. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Clearfield. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
9	19T-179-23	-	-	108.0	62.0	69.3	15.4	10.5	10920.1	3210.9
24	232M1044	-	-	105.3	65.4	70.6	12.8	7.8	10747.2	3862.3
38	CLL18	-	-	107.0	51.3	67.8	17.7	16.4	10680.4	3138.1
26	232M1097	-	-	98.3	65.0	70.2	7.7	4.7	10627.6	3843.9
40	CLM05	-	-	97.0	63.9	69.0	13.2	8.3	10495.4	3774.5
13	19T-176-CONV-38	-	-	105.7	64.8	71.9	9.6	3.8	10453.7	3313.3
27	232M1114	-	-	105.7	63.8	70.8	11.2	6.3	10402.7	3174.8
20	MP8_379	-	-	93.0	57.9	70.6	22.4	16.5	10315.3	4060.1
39	CLM04	-	-	108.7	65.5	70.6	9.6	5.4	10188.7	3878.7
10	19T-183-CL-1	-	-	105.3	63.9	69.5	22.4	16.6	10000.6	4104.5
23	232L1171	-	-	98.7	60.4	71.4	11.1	8.3	9919.7	3445.2
7	222L1082	-	-	107.3	59.6	70.8	13.2	10.5	9823.1	3652.6
15	232L1187	-	-	96.3	59.4	71.1	16.6	13.3	9719.0	3183.6
4	19T-029-4	-	-	98.7	63.0	71.8	13.3	12.1	9687.0	3708.1
11	222M1096	-	-	103.7	65.4	70.4	9.3	5.7	9640.0	3890.3
29	24AR1136	-	-	107.0	55.2	69.3	15.4	10.7	9446.9	3192.8
3	RU2102222	-	-	93.7	63.3	72.4	14.1	11.3	9372.6	3234.7
8	222L1161	-	-	94.0	59.5	70.7	12.4	8.8	9371.5	3256.8
21	232L1074	-	-	99.7	55.3	70.4	9.5	4.9	9365.6	3200.2
22	232L1170	-	-	103.3	58.5	70.2	14.0	11.1	9225.6	3088.5
28	19T-176-CONV-10	-	-	102.7	56.3	68.5	12.4	6.8	9212.9	3304.1
6	19T-033-63	-	-	98.7	61.8	71.2	16.2	11.7	9205.4	3717.8
12	19T-183-CL-6	-	-	97.3	62.9	70.0	16.3	11.6	9167.9	2998.9
16	232L1210	-	-	89.7	61.0	70.7	16.1	13.6	9004.2	3811.5
25	232M1070	-	-	99.3	63.0	70.2	10.4	6.6	8937.7	3908.1
35	CL153	-	-	99.3	62.2	71.7	12.3	8.7	8919.3	3329.1
18	232L1242	-	-	97.3	62.7	72.3	14.7	12.9	8915.8	2770.0
37	CLL19	-	-	93.0	58.2	69.2	21.4	18.4	8912.8	3024.4
5	19T-033-38	-	-	101.0	60.0	70.3	16.1	11.7	8829.2	3503.6
17	232L1225	-	-	91.7	62.6	71.3	13.9	10.9	8574.1	3004.8
36	CLJ01	-	-	96.7	66.5	73.0	7.0	4.3	8426.6	2988.5
1	212L2252	-	-	94.7	63.6	72.6	8.1	5.9	8040.0	3031.1
19	232L1268	-	-	94.7	53.1	69.4	24.0	22.7	8035.7	2897.0
34	24DGL-5786CL	-	-	91.3	57.8	69.6	9.7	7.8	7978.3	2786.9
32	24DGL-5676CL	-	-	90.3	53.7	67.8	10.9	9.0	7671.7	2564.5
31	24DGL-5664CL	-	-	93.0	55.2	68.4	9.9	8.1	7537.6	2733.2
14	222A2014	-	-	107.0	63.0	72.1	10.2	8.2	7527.8	2276.3
30	24DGL-5659CL	-	-	93.3	55.6	68.9	11.0	8.8	7198.1	2324.5
33	24DGL-56784CL	-	-	91.7	57.0	68.7	11.0	9.9	6912.2	2477.9
2	222L1147	-	-	98.7	53.1	70.9	15.0	11.9	5899.3	3310.4

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 22. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Conventional. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
24	23AR151	-	-	104.0	47.7	68.5	21.2	16.6	10999.9	3312.8
29	23DGL1041	-	-	99.0	58.6	68.3	12.7	10.7	10636.4	4077.3
17	231L1241	-	-	97.0	62.2	71.9	14.3	13.6	10497.7	2735.0
2	19T-238-13	-	-	97.0	62.3	71.9	15.8	13.0	10420.7	2902.6
25	RU2301045	-	-	98.3	52.0	68.9	13.9	11.3	10359.1	3338.6
16	231L1261	-	-	101.3	60.3	71.0	15.7	13.3	10356.3	2726.6
30	23DGL1089	-	-	98.0	57.1	67.6	14.3	12.3	10321.5	3713.2
38	CLM05	-	80.3	99.3	63.8	68.8	13.6	10.5	10193.1	3380.7
31	Taurus	-	80.0	90.0	62.2	70.3	8.6	3.8	10182.9	3137.6
20	231M1075	-	-	100.3	61.2	68.5	22.0	19.2	10109.4	3009.2
11	19T-176-CONV-36	-	-	107.0	59.9	70.8	9.3	4.9	10052.4	3570.6
7	221L1002	-	-	102.0	58.3	70.2	20.8	20.3	9965.7	3150.5
35	CLL19	-	-	92.0	58.0	69.2	19.4	16.6	9963.5	2880.9
13	231L1085	-	-	96.0	64.9	72.7	11.8	8.2	9929.7	2995.5
18	231L1243	-	-	100.0	63.0	72.4	15.6	12.9	9903.2	2712.6
23	231M1103	-	-	102.7	63.4	70.2	15.3	9.2	9888.0	3710.2
21	231M1076	-	81.0	100.7	64.2	69.8	8.8	4.5	9879.3	3204.7
4	201L1251	-	-	93.7	52.6	69.4	15.8	13.0	9802.9	2965.9
15	231L1103	-	-	93.3	61.6	71.8	15.9	15.9	9795.7	2966.0
28	23DGL5010	-	-	99.3	61.2	68.9	11.1	8.5	9788.8	4344.8
40	Venus	-	-	95.3	66.5	70.3	11.0	5.6	9698.0	3695.2
39	DG263L	-	-	98.7	58.3	69.3	10.9	8.1	9689.8	4271.5
36	Jupiter	-	81.3	99.0	63.1	68.9	15.7	11.0	9673.9	3038.9
26	23DGL088	-	-	102.7	61.0	68.9	12.2	9.8	9584.7	3970.4
19	231M1056	-	79.5	100.7	64.4	70.6	15.9	12.9	9536.8	3298.9
27	23DGL090	-	-	97.7	61.2	70.3	9.1	7.0	9484.3	4663.5
3	19T-238-62	-	-	103.0	56.9	69.7	17.1	15.9	9363.9	2854.7
9	221L1087	-	-	90.7	62.5	72.1	17.2	16.2	9337.1	3164.8
37	PVL03	-	-	100.3	52.6	70.0	17.6	16.3	9317.2	2814.8
12	231L1082	-	-	97.0	63.4	72.0	10.1	7.6	9306.6	3335.0
14	231L1086	-	-	92.0	60.9	71.4	16.5	15.1	9237.2	2899.0
6	19T-218-43	-	-	98.0	57.0	69.1	18.6	17.6	9175.9	2813.0
5	211L1008	-	-	99.7	63.0	71.5	14.9	13.9	9155.9	3022.9
33	Avant	-	-	85.3	62.9	71.6	14.3	13.8	9073.7	2616.6
8	221L1013	-	-	87.7	62.1	71.4	13.7	13.7	9032.3	2662.7
10	MP6_295	-	-	95.7	50.6	68.6	23.1	20.5	8927.7	3260.6
22	231M1102	-	-	98.0	62.5	69.8	10.1	5.2	8921.3	3510.0
34	Cheniere	-	-	94.0	65.7	74.5	10.5	7.9	8605.9	3225.0
32	Titan	-	-	98.7	61.2	68.9	10.9	6.1	8359.2	3348.7
1	211L1331	-	-	97.3	59.4	70.6	11.5	11.1	7858.6	2829.6

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 23. Grain and milling yields and agronomic performance of entries in the 2025 Advanced Yield Trial – Provisia, Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
25	24DGL-4464PV	-	81.0	104.3	57.9	68.5	13.6	11.0	10495.7	3555.5
31	DG263L-PV-010-bulk	-	80.3	109.3	57.8	67.4	11.4	9.4	10164.0	3549.5
2	PVL05	-	-	96.7	51.9	67.9	13.0	11.4	10103.2	2983.5
30	DG263L-PV-012-bulk	-	80.0	101.7	55.9	66.4	12.6	10.6	10069.8	3114.0
33	23AR2205	-	83.7	102.3	62.8	67.9	16.2	12.4	9958.6	3185.7
13	233L1081	-	-	103.3	61.7	71.0	14.1	12.0	9853.4	3818.6
24	23DGL-007PV-2	-	82.7	103.0	59.9	69.0	11.0	8.9	9811.3	2708.8
16	233L1089	-	-	99.0	63.6	71.4	11.4	9.8	9788.8	3848.3
23	23DGL-024PV-3	-	85.0	101.7	59.3	68.9	14.1	10.2	9507.0	2449.5
9	233L1268	-	-	106.3	63.0	71.6	16.0	15.7	9474.1	3355.3
4	223L1139	-	81.0	106.3	63.9	70.3	11.2	8.2	9432.4	3951.5
29	DG263L-PV-014-bulk	-	80.0	104.3	59.3	67.8	9.2	7.6	9379.8	4110.8
26	24AR2120	-	81.5	106.0	51.6	67.9	17.3	15.4	9356.3	3640.6
6	223L1216	-	-	100.7	61.2	70.6	16.3	15.5	9327.7	2972.2
11	233L1074	-	-	101.0	63.7	71.9	14.8	13.5	9318.6	2915.8
35	DG563PVL	-	-	102.3	57.2	68.1	13.0	11.1	9288.9	2863.8
27	23AR2111	-	80.7	107.0	56.7	69.1	20.1	19.7	9260.3	3660.1
18	233L1095	-	-	97.3	57.7	69.8	11.4	8.3	9213.8	2751.5
1	213L1130	-	-	99.3	58.0	69.2	13.1	11.9	9201.9	3357.0
17	233L1093	-	-	101.7	59.4	70.3	18.2	17.6	9150.1	3058.7
8	233L1262	-	-	107.3	56.7	69.5	16.9	15.8	9142.5	3255.7
34	PVL03	-	85.0	105.0	56.1	69.7	15.0	13.8	9129.4	3432.6
5	223L1213	-	-	106.3	57.7	69.6	21.7	20.0	8893.1	2827.1
12	233L1079	-	-	102.3	60.8	70.8	15.0	14.4	8856.1	4099.0
3	223L1065	-	-	98.7	62.1	71.8	15.2	13.5	8812.2	2578.6
22	23DGL-001PV	-	-	92.7	60.3	69.9	13.0	9.3	8806.9	2283.9
28	RU1902227-PV-001-bulk	-	83.0	97.3	64.4	71.0	8.4	5.7	8716.4	2924.7
32	191M1192-PV-002-bulk	-	-	107.3	64.0	70.0	8.7	4.7	8674.0	3437.7
10	233L1063	-	81.5	99.3	51.6	66.5	21.7	21.6	8666.5	3665.1
36	PVL04	-	-	105.3	55.5	68.0	15.7	16.0	8570.3	2934.2
19	19T-262-55	-	-	99.0	54.6	69.2	10.5	8.8	8530.2	2653.9
7	223L1236	-	-	107.3	52.1	68.9	12.7	12.4	8346.6	3290.7
21	233L1228	-	-	99.3	59.3	70.7	12.9	11.6	8272.5	2448.9
14	233L1085	-	-	100.7	57.5	71.2	11.7	10.4	7405.5	2623.8
20	233L1237	-	-	98.3	54.6	69.1	16.4	15.0	7359.2	2608.1
15	233L1088	-	-	105.0	53.4	68.7	17.3	17.2	7106.0	2859.3

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Regional Yield Test

The Regional Yield Test (RYT) in 2025 included five environments with two planting dates at the H. Rouse Caffey Rice Research Station (HRCRRS), one environment at the HRCRRS South Farm (SF), one environment in Franklin Parish (Winnsboro – WB), and one environment in Vermilion Parish (Lake Arthur – LK). Planting and harvesting dates are shown in Table 1 across all locations.

In total, 204 entries and 17 checks were tested in a randomized complete-block design with two replications. Varieties were seeded at 75 lb/A. Entries are listed in Table 2. Results from these trials are shown in Tables 3-17 and listed in order of descending yield (lb/A).

Table 1. Planting and harvesting dates for the Regional Yield Test in 2025.

Location	Trial	Planting	Harvesting	Table
HRCRRS	RYT-CL-RRS	3/6	7/22	3
	RYT-CN-RRS	3/3	7/23	4
	RYT-PV-RRS	3/3	7/23	5
HRCRRS-Late	RYT-CL-RRSL	4/4	8/2	6
	RYT-CN-RRSL	4/9	8/11	7
	RYT-PV-RRSL	4/4	8/5	8
HRCRRS South Farm	RYT-CL-SF	3/11	7/29	9
	RYT-CN-SF	3/11	7/29	10
	RYT-PV-SF	3/11	7/29	11
Franklin (Winnsboro)	RYT-CL-WB	4/17	8/20	12
	RYT-CN-WB	4/17	8/19	13
	RYT-PV-WB	4/17	8/20	14
Vermilion (Lake Arthur)	RYT-CL-LK	3/14	7/29	15
	RYT-CN-LK	3/14	7/28	16
	RYT-PV-LK	3/14	7/28	17

Table 2. Entry number, pedigree, and grain type for entries in the Regional Yield Test, 2025.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	1	202L2141	CL163/CLJ01	LG HI	LAES
CL	2	242L1001	CLL19/RU2002122	LG HI	LAES
CL	3	242L1004	CLL19/RU2002122	LG HI	LAES
CL	4	242L1010	CLL17/Diamond	LG	LAES
CL	5	242L1038	20DGL2131/RU2102217	LG HI	LAES
CL	6	242L1040	20DGL2131/RU2102217	LG HI	LAES
CL	7	242L1063	RU1801169/182L2166	LG	LAES
CL	8	242L1086	RU1902126/RU1702140	LG	LAES
CL	9	242L1094	RU1702183/RU1902162	LG	LAES
CL	10	242L1096	RU1702183/RU1902162	LG	LAES
CL	11	242L1124	CL153/RU1702183	LG	LAES
CL	12	242L1125	CL153/RU1702183	LG	LAES
CL	13	242L1130	RU1602195/RU1902034	LG	LAES
CL	14	242L1132	CL153/RU1902162	LG	LAES
CL	15	242L1141	CLL16/RU1702183	LG	LAES
CL	16	242L1149	RU1902034/CLL16	LG	LAES
CL	17	242L1151	RU1702183/RU1901121	LG	LAES
CL	18	242L1154	RU1902126/CLL19	LG HI	LAES
CL	19	242L1156	RU1902126/CLL19	LG	LAES
CL	20	242L1163	CLL16/CLL19	LG	LAES
CL	21	242L1194	RU2002186/RU1902034	LG	LAES
CL	22	242L1210	RU2102217/201L1114	LG HI	LAES
CL	23	242L1222	Cheniere/RU1702183	LG HI	LAES
CL	24	242L1223	Cheniere/RU1702183	LG HI	LAES
CL	25	242L1228	RU2102217/191L2066	LG	LAES
CL	26	242L1239	201L1159/CLL19	LG	LAES
CL	27	242L1265	RU2102030/RU2102217	LG	LAES
CL	28	242L1272	CLL15/RU2102030	LG HI	LAES
CL	29	242L1274	CLL19/192L1544	LG	LAES
CL	30	242L1278	192L1544/RU2102217	LG	LAES
CL	31	242L1281	192L1544/RU2102217	LG	LAES
CL	32	242L1282	CLL15/RU2102217	LG	LAES
CL	33	242L1289	RU2002134/RU2102217	LG	LAES
CL	34	242L1291	RU2002134/RU2102217	LG	LAES
CL	35	242L1292	RU2002134/RU2102217	LG	LAES
CL	36	242L1307	CLL19/RU1702183	LG	LAES
CL	37	242L1314	CLL19/RU2102217	LG	LAES
CL	38	242L1321	CLL19/RU2102217	LG	LAES
CL	39	242L1322	CLL19/RU2102217	LG	LAES
CL	40	242L1347	RU2102217/192L2050	LG	LAES
CL	41	242L1354	RU1902034/192L2050	LG	LAES
CL	42	242L1357	CLHA03/201L1251	LG HI	LAES
CL	43	242L2006	MP8_112/MP8_124	LG	LAES
CL	44	242L2116	MP6_219/MP6_076	LG	LAES
CL	45	242L2118	MP6_219/MP6_076	LG	LAES
CL	46	242L2120	MP6_219/MP6_076	LG	LAES
CL	47	242L2123	MP6_219/MP6_076	LG	LAES
CL	48	242L2125	MP6_219/MP6_076	LG	LAES
CL	49	242L2141	MP6_397/MP6_057	LG	LAES
CL	50	242L2146	MP6_397/MP6_057	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	51	242L2149	MP6_397/MP6_057	LG	LAES
CL	52	242L2159	MP6_288/MP6_392	LG	LAES
CL	53	242L3012	CLL19/INIA13	LG HI	LAES
CL	54	242L3017	CLL19/INIA13	LG HI	LAES
CL	55	242L3020	CLL19/INIA13	LG HI	LAES
CL	56	242L3026	RU1902142/DG263L	LG HI	LAES
CL	57	242M1006	CL272/RU1801211	MG	LAES
CL	58	242M1008	CL272/RU1801211	MG	LAES
CL	59	242M1017	RU1902174/Lynx	MG	LAES
CL	60	242M1019	RU1902174/Lynx	MG	LAES
CL	61	242M1097	BBC41-2/RU1801238	MG	LAES
CL	62	242M1105	BBC30-1/CLM04	MG	LAES
CL	63	242M1108	BBC27-1/Lynx	MG	LAES
CL	64	242M1115	CLM04/Jupiter	MG	LAES
CL	65	242M1120	CLM04/Jupiter	MG	LAES
CL	66	242M1128	CLM04/RU1801238	MG	LAES
CL	67	242M1135	CLM04/RU1801238	MG	LAES
CL	68	242M1138	CLM04/RU1801238	MG	LAES
CL	69	242M1141	BBC30-1/Taurus	MG	LAES
CL	70	CL153	RU9502008A//Ahrent/Cocodrie/3/CFX26/RU9702128/4/Cheniere	LG	LAES
CL	71	CLL16	248WE16I5/Taggart/7/248DREW16C13/6/LaGrue//KATY/ Starbonnet/5/Newbonnet/KATY//RA73/Lemont/4/Lebonnet/ 71CR5038/3/Dawn/STG653888//Starbonnet	LG	AAES
CL	72	CLL18	RoyJ/CL142AR	LG	AAES
CL	73	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES
CL	74	CLM04	RU1202168/Jupiter	MG	AAES
CL	75	CLM05	CLM05-female parent/CLM05-male	MG	AAES
CN	1	241A1009	Della2/RU1902142	AL	LAES
CN	2	241A1010	Della2/RU1902142	AL	LAES
CN	3	241L1025	RU2002150/CLL19	LG	LAES
CN	4	241L1033	RU2002217/Avant	LG	LAES
CN	5	241L1041	RU2002186/RU2002232	LG	LAES
CN	6	241L1042	RU2002186/RU2002232	LG	LAES
CN	7	241L1052	RU1902207/RU1702183	LG	LAES
CN	8	241L1060	RU2002222/RU1902207	LG	LAES
CN	9	241L1064	RU1902207/RU2002186	LG	LAES
CN	10	241L1077	Mermentau/RU1902207	LG	LAES
CN	11	241L1078	Mermentau/RU1902207	LG	LAES
CN	12	241L1089	RU2002190/RU1902207	LG	LAES
CN	13	241L1093	RU2002232/RU2002150	LG	LAES
CN	14	241L1095	RU2002232/RU2002150	LG	LAES
CN	15	241L1097	RU2002232/RU2002150	LG	LAES
CN	16	241L1100	RU2002232/RU2002150	LG	LAES
CN	17	241L1101	RU2002232/RU2002150	LG	LAES
CN	18	241L1102	RU1902207/RU2002232	LG	LAES
CN	19	241L1103	RU1902207/RU2002232	LG	LAES
CN	20	241L1108	RU2002190/RU2002222	LG HI	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	21	241L1140	Catahoula/RU1702183	LG	LAES
CN	22	241L1188	191L1123/20DGL2131	LG HI	LAES
CN	23	241L1199	201L1114/191L1033	LG HI	LAES
CN	24	241L1200	201L1114/191L1033	LG HI	LAES
CN	25	241L1238	Frontiere/RU1902207	LG	LAES
CN	26	241L1244	RU2002150/191L2066	LG	LAES
CN	27	241L1276	RU2102217/191L2066	LG	LAES
CN	28	241L1277	RU2102217/191L2066	LG	LAES
CN	29	241L1295	201L1288/Avant	LG	LAES
CN	30	241L1301	201L1288/Avant	LG	LAES
CN	31	241L1305	201L1324/201L1251	LG	LAES
CN	32	241L1308	201L1324/201L1251	LG	LAES
CN	33	241L1309	201L1324/201L1251	LG	LAES
CN	34	241L1310	201L1324/201L1251	LG	LAES
CN	35	241L1312	201L1324/201L1251	LG	LAES
CN	36	241L1313	201L1324/201L1251	LG	LAES
CN	37	241L1316	RU1902207/201L1251	LG	LAES
CN	38	241L1319	RU1902207/201L1251	LG	LAES
CN	39	241L1322	RU1902207/201L1251	LG	LAES
CN	40	241L1323	RU1902207/201L1251	LG	LAES
CN	41	241L1324	RU1902207/201L1251	LG	LAES
CN	42	241L1325	RU1902207/201L1251	LG	LAES
CN	43	241L2016	MP8_112/MP8_124	LG	LAES
CN	44	241L2035	MP8_124/MP8_089	LG	LAES
CN	45	241L2062	MP6_419/MP8_124	LG	LAES
CN	46	241L2068	MP6_419/MP8_124	LG	LAES
CN	47	241L3048	Olimar/DG263L	LG HI	LAES
CN	48	241L3064	CLL15/INIA06	LG HI	LAES
CN	49	241L3065	CLL15/INIA08	LG	LAES
CN	50	241L3088	INIA06/RU1902194	LG	LAES
CN	51	241M1007	19-71535/Lynx	MG	LAES
CN	52	241M1036	Lynx/Titan	MG	LAES
CN	53	241M1041	Lynx/RU2002090	MG	LAES
CN	54	241M1047	RU2002090/RU2002094	MG	LAES
CN	55	241M1053	Jupiter/Taurus	MG	LAES
CN	56	241M1054	Jupiter/Taurus	MG	LAES
CN	57	241M1086	BBC50-1/Venus	MG	LAES
CN	58	241M1102	Taurus/RU1902227	MG	LAES
CN	59	241M1119	191M1192/Jupiter	MG	LAES
CN	60	241M1128	RU1801238/Jupiter	MG	LAES
CN	61	241M1129	Taurus/Venus	MG	LAES
CN	62	241M1131	RU2102066/Taurus	MG	LAES
CN	63	241M1133	RU2102066/Taurus	MG	LAES
CN	64	241M1135	RU2102066/Taurus	MG	LAES
CN	65	241M1140	Avant/SG_mutantP1_RU2002174	SG	LAES
CL	66	241M1144	Avant/SG_mutantP1_RU2002174	SG	LAES
CN	67	231M1108	Titan/RU1801211	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	68	211L1008	RU1702183/Avant	LG	LAES
CN	69	Avant	Trenasse//Cocodrie/Jefferson/3/Ahrent/Cocodrie//Cocodrie/ LaGrue	LG	LAES
CL	70	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/ Jefferson	LG	LAES
CN	71	Della2	Cypress//L205/Della	AL	LAES
CN	72	DG263L		LG HI	NAS
CN	73	Jupiter	Bengal/Rico1/3/Bengal//Mercury/Rico1	MG	LAES
CN	74	Taurus	Rico1/Bengal//RU0602162/RU0502031	MG	AAES
CN	75	Venus	Titan/Jupiter	MG	LAES
PV	1	243L1007	RU2002174/RU2002217	LG HI	LAES
PV	2	243L1011	PVL03/Cheniere	LG	LAES
PV	3	243L1022	CLL19/RU2002070	LG	LAES
PV	4	243L1025	RU2002174/RU1602195	LG	LAES
PV	5	243L1037	RU2002070/RU2002178	LG	LAES
PV	6	243L1069	RU2002070/RU2002232	LG	LAES
PV	7	243L1072	RU2002070/RU2002232	LG	LAES
PV	8	243L1073	RU2002070/RU2002232	LG	LAES
PV	9	243L1074	RU2002070/RU2002232	LG	LAES
PV	10	243L1077	RU2002178/RU1702140	LG	LAES
PV	11	243L1089	191L1056/RU2002174	LG	LAES
PV	12	243L1097	19T262-F2-P3/RU2002150	LG	LAES
PV	13	243L1100	19T262-F2-P3/RU2002150	LG	LAES
PV	14	243L1112	19T262-F2-P1/RU2002217	LG	LAES
PV	15	243L1115	19T262-F2-P1/RU2002217	LG	LAES
PV	16	243L1124	PVL03/RU2002232	LG	LAES
PV	17	243L1128	PVL03/RU2002232	LG	LAES
PV	18	243L1141	RU2002070/20DGL2131	LG	LAES
PV	19	243L1148	RU2002070/20DGL2131	LG	LAES
PV	20	243A1180	RU2002174/Fitzgerald	AL	LAES
PV	21	243A1184	RU2002174/Fitzgerald	AL	LAES
PV	22	243A1186	RU2002174/Fitzgerald	AL	LAES
PV	23	243L1197	AddiJo/203L1053	LG HI	LAES
PV	24	243L1198	AddiJo/203L1053	LG HI	LAES
PV	25	243L1202	RU2102158/RU2002070	LG HI	LAES
PV	26	243L1204	RU2102158/RU2002070	LG HI	LAES
PV	27	243L1208	RU2102158/RU2002070	LG HI	LAES
PV	28	243L1212	AddiJo/193L2012	LG HI	LAES
PV	29	243L1230	203L1053/Avant	LG	LAES
PV	30	243L1231	203L1053/Avant	LG	LAES
PV	31	243L1232	RU2002070/191L2066	LG HI	LAES
PV	32	243L1236	RU2002070/191L2066	LG	LAES
PV	33	243L1249	191L2066/RU2002174	LG HI	LAES
PV	34	243L1257	191L2066/RU2002174	LG	LAES
PV	35	243L1258	191L2066/RU2002174	LG	LAES
PV	36	243L1262	RU1902207/193L2052	LG	LAES
PV	37	243L1263	RU1902207/193L2052	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
PV	38	243L1264	RU1902207/193L2052	LG	LAES
PV	39	243L1266	193L2012/RU1902207	LG	LAES
PV	40	243L1267	193L2012/RU1902207	LG	LAES
PV	41	243L1270	193L2012/RU1902207	LG	LAES
PV	42	243L1278	203L1001/RU1902207	LG	LAES
PV	43	243L1295	PVL03/191L2066	LG	LAES
PV	44	243L1299	PVL03/191L2066	LG	LAES
PV	45	243L1300	PVL03/191L2066	LG	LAES
PV	46	243L1302	PVL03/191L2066	LG	LAES
PV	47	243L1304	PVL03/191L2066	LG	LAES
PV	48	243L1306	PVL03/191L2066	LG	LAES
PV	49	243L1315	RU2102186/201L1288	LG	LAES
PV	50	243L1322	RU2102186/201L1288	LG	LAES
PV	51	243L1348	PVL03/201L1251	LG	LAES
PV	52	243L1349	PVL03/201L1251	LG	LAES
PV	53	243L1318	RU2102186/201L1288	LG HI	LAES
PV	54	243L1326	RU2102186/201L1288	LG	LAES
PV	55	243L2007	RU2102186/201L1288	LG HI	LAES
PV	56	243L2012	RU2102186/201L1288	LG HI	LAES
PV	57	243L2021	RU2102186/201L1288	LG HI	LAES
PV	58	243L2022	RU2102186/201L1288	LG	LAES
PV	59	243L3067	INIA06/PVL03	LG	LAES
PV	60	243L3068	INIA06/PVL03	LG	LAES
PV	61	243L3079	PVL03/INIA08	LG HI	LAES
PV	62	191M1192-PV-001-sub3	191M1192/191M1192-PV-BC2	MG	LAES
PV	63	191M1192-PV-002-sub1	191M1192/191M1192-PV-BC2	MG	LAES
PV	64	DG263L-PV-011-sub1	DG263L/DG263L-PV-BC2	LG HI	LAES
PV	65	Jazzman-PV-002-sub2	Jazzman/Jazzman-PV-BC2	AL	LAES
PV	66	Fitzgerald-PV-001-sub2	Fitzgerald/Fitzgerald-PV-BC2	AL	LAES
PV	67	Fitzgerald-PV-002-sub1	Fitzgerald/Fitzgerald-PV-BC2	AL	LAES
PV	68	Fitzgerald-PV-006-sub2	Fitzgerald/Fitzgerald-PV-BC2	AL	LAES
PV	69	PVL05	PVL01/Catahoula	LG HI	LAES
PV	70	23AR2205	RU1901125/3/18SIT0877(Neptune//RU0502183/ Catahoula/3/RU9902028)/HPHI2//Jupiter	MG	AAES
PV	71	PVL03	PVL01/Catahoula	LG	LAES
PV	72	PVL04	18SIT0557/RU2201021-BC2	LG HI	AAES

* Herbicide Type – Clearfield (CL), Conventional (CN), and Provisia (PV).

[†] LG = Long grain, LG HI = Long-grain high-amylose Dixie Belle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

[‡] LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Clearfield. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
72	CLL18	1.0	83.0	107.5	62.3	70.9	24.7	23.5	11618.5	2035.8
75	CLM05	2.0	84.5	98.0	68.6	71.5	15.6	10.3	11554.0	3795.8
58	242M1008	3.0	81.5	100.5	65.9	72.2	13.0	5.0	11378.0	3064.4
64	242M1115	3.0	86.0	105.0	66.9	71.7	14.5	8.8	11170.2	2254.3
59	242M1017	3.0	85.5	97.0	65.1	71.7	13.9	8.1	11129.5	3540.3
69	242M1141	1.0	80.0	99.0	66.8	72.7	13.5	7.6	11129.4	2739.3
50	242L2146	3.0	80.0	98.0	66.4	73.4	20.7	16.9	11076.7	3023.5
57	242M1006	2.0	81.5	110.0	68.7	72.6	15.9	6.7	11044.0	2806.9
66	242M1128	3.0	84.5	101.0	67.9	72.8	8.5	5.9	10914.2	3647.4
63	242M1108	2.0	81.0	97.5	66.6	72.2	22.7	17.2	10900.2	2400.5
5	242L1038	2.0	80.5	97.0	70.0	74.9	15.9	12.7	10891.7	4021.6
71	CLL16	1.0	85.0	104.5	62.3	70.5	19.6	16.3	10883.1	1599.6
67	242M1135	3.0	84.5	100.5	68.6	73.8	6.8	4.0	10880.8	4219.7
39	242L1322	3.0	79.5	101.5	61.7	73.3	25.7	22.5	10785.0	3063.5
51	242L2149	3.0	82.5	102.0	65.5	72.2	22.6	18.7	10675.5	3280.5
68	242M1138	3.0	85.5	99.5	67.6	73.1	9.5	5.9	10640.5	3723.4
4	242L1010	3.0	82.5	104.0	67.5	72.8	22.2	22.5	10606.2	2474.8
15	242L1141	2.0	83.5	101.5	65.8	71.4	18.3	15.9	10605.0	2936.0
18	242L1154	3.0	83.5	97.0	64.2	72.9	20.8	17.9	10603.7	2549.3
30	242L1278	3.0	81.0	101.5	65.2	73.1	26.2	24.2	10583.7	2985.5
74	CLM04	3.0	84.0	106.0	68.9	72.6	10.7	6.5	10579.4	2989.5
60	242M1019	3.0	86.0	96.5	69.3	72.9	16.3	10.4	10549.1	2312.8
27	242L1265	3.0	80.0	102.0	68.3	74.1	21.6	16.9	10531.9	3303.1
7	242L1063	3.0	86.0	100.5	68.7	73.2	15.7	10.2	10518.3	3095.9
43	242L2006	3.0	79.5	109.5	66.9	73.4	22.8	19.3	10463.6	3809.9
49	242L2141	3.0	81.0	98.5	66.3	72.7	23.0	19.6	10451.1	4073.5
28	242L1272	3.0	80.5	99.0	66.3	72.2	23.3	20.7	10429.0	2489.9
48	242L2125	3.0	80.0	100.5	68.1	74.7	23.6	17.9	10420.1	3560.1
3	242L1004	3.0	81.5	97.5	67.3	73.4	23.5	20.3	10393.4	2871.3
45	242L2118	3.0	83.0	100.0	67.0	73.5	18.9	13.2	10314.3	2809.6
32	242L1282	3.0	78.5	101.0	66.7	74.3	23.7	21.0	10307.5	2924.2
31	242L1281	2.0	82.0	98.5	66.5	73.2	19.0	16.8	10288.3	2812.4
25	242L1228	3.0	80.5	93.0	66.9	74.0	20.3	17.5	10276.3	3017.6
44	242L2116	3.0	80.5	94.0	65.2	73.5	23.4	16.5	10269.9	3051.8
37	242L1314	3.0	80.0	92.0	65.3	74.3	24.8	20.9	10244.5	3721.7
1	202L2141	2.0	86.5	100.0	64.3	71.3	16.3	15.0	10169.4	1738.2
17	242L1151	3.0	82.0	103.0	67.9	72.5	16.8	13.4	10168.0	2558.8
9	242L1094	2.0	80.0	108.5	68.8	73.7	22.9	18.7	10167.3	2649.2
55	242L3020	2.0	81.0	105.0	68.1	73.7	19.9	19.8	10146.3	2433.4
19	242L1156	3.0	81.5	102.0	66.5	73.6	22.1	17.5	10146.0	2633.4
42	242L1357	3.0	79.0	100.0	68.1	72.9	18.8	14.7	10141.1	3437.3
6	242L1040	4.0	78.5	95.5	66.3	74.9	24.6	24.5	10135.2	3098.1
16	242L1149	3.0	80.5	99.0	64.5	71.8	22.4	19.5	10125.6	2933.6
52	242L2159	2.0	82.0	91.5	66.7	74.7	18.9	14.4	10116.2	3095.5
62	242M1105	3.0	83.0	91.5	67.2	73.1	12.8	9.5	10115.7	2559.0

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
34	242L1291	3.0	81.5	106.0	68.8	73.1	18.3	15.3	10111.1	3721.4
2	242L1001	3.0	82.0	103.5	67.2	72.5	14.8	9.3	10108.5	2949.3
11	242L1124	3.0	82.5	102.0	67.2	72.6	19.2	16.2	10088.1	2906.5
38	242L1321	3.0	82.0	88.0	67.3	74.4	21.9	20.4	10054.8	3136.4
12	242L1125	3.0	82.0	94.5	69.5	73.2	19.6	18.1	10022.7	3254.4
47	242L2123	3.0	80.0	87.5	64.0	73.5	22.3	14.5	10016.9	2741.7
36	242L1307	2.0	80.5	104.0	70.0	73.3	21.6	19.1	9982.3	3106.1
65	242M1120	3.0	84.5	105.5	67.9	72.3	9.9	6.7	9978.1	2904.6
40	242L1347	2.0	81.5	98.5	66.1	73.2	24.0	18.7	9973.9	3247.0
56	242L3026	2.0	78.5	106.0	61.6	71.0	21.5	16.0	9954.4	2402.6
70	CL153	3.0	81.0	90.0	67.1	73.3	28.5	24.5	9939.5	3004.3
24	242L1223	3.0	83.0	97.0	69.4	74.2	16.9	15.9	9929.6	2368.6
46	242L2120	3.0	80.0	93.0	64.6	73.1	21.3	17.4	9894.9	2787.0
10	242L1096	1.0	80.0	98.5	68.3	73.1	20.6	15.9	9827.2	3378.5
21	242L1194	3.0	80.5	99.5	68.9	74.2	20.7	18.9	9824.7	3152.2
22	242L1210	3.0	74.5	100.0	67.5	74.1	14.8	12.7	9824.6	3571.2
8	242L1086	3.0	79.5	104.0	68.4	73.7	20.3	17.7	9822.8	3233.7
29	242L1274	3.0	78.5	102.5	68.2	72.8	16.1	12.6	9793.7	3733.1
53	242L3012	3.0	83.0	100.5	67.1	72.1	17.9	15.4	9785.8	3101.2
61	242M1097	3.0	83.0	98.0	62.1	71.0	22.1	19.1	9784.5	3013.7
23	242L1222	3.0	79.5	101.0	70.8	74.3	13.5	13.1	9759.5	3399.1
41	242L1354	2.0	83.0	95.0	66.4	72.5	22.4	16.0	9720.5	3501.5
14	242L1132	3.0	82.5	93.5	68.5	73.2	15.8	11.7	9712.8	3473.5
13	242L1130	3.0	81.0	95.5	67.5	73.1	25.3	20.3	9675.5	3578.8
26	242L1239	3.0	85.0	102.0	67.3	73.2	14.9	10.7	9628.2	3184.4
20	242L1163	3.0	82.0	105.5	63.3	72.3	27.1	22.9	9586.6	3194.6
33	242L1289	3.0	82.5	92.0	65.6	73.4	15.8	11.0	9463.1	3343.8
35	242L1292	2.0	76.5	97.5	66.4	74.1	17.9	13.0	9425.9	3961.2
73	CLL19	1.0	81.5	93.5	68.8	73.3	16.6	12.9	9395.5	3033.3
54	242L3017	3.0	85.0	107.0	66.4	72.4	15.0	12.6	9208.1	4514.6

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 4. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Conventional. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
67	231M1108	3.0	82.0	111.5	66.7	72.2	22.4	18.4	12045.4	3372.0
52	241M1036	3.0	81.5	103.0	69.7	73.1	10.6	5.4	11938.6	4472.6
72	DG263L	3.0	81.5	103.5	62.4	69.8	17.5	14.7	11827.3	4083.6
64	241M1135	2.0	81.0	101.5	65.5	72.8	13.9	10.6	11698.2	3420.1
60	241M1128	3.0	84.5	108.5	64.6	71.8	11.8	5.5	11682.4	4514.5
73	Jupiter	3.0	87.0	97.0	65.2	71.2	16.5	12.2	11643.2	3634.2
63	241M1133	3.0	82.0	111.0	68.7	72.8	12.0	5.9	11622.7	4322.9
55	241M1053	4.0	84.5	106.0	66.6	72.2	15.0	9.7	11611.6	3237.7
59	241M1119	3.0	82.0	114.0	68.7	72.7	15.7	11.6	11464.5	3852.2
50	241L3088	3.0	84.0	110.5	68.0	71.9	13.8	11.7	11448.1	4970.2
75	Venus	3.0	82.0	107.5	67.6	72.5	11.7	5.9	11341.9	3943.2
61	241M1129	4.0	81.0	102.0	68.1	72.2	13.5	7.9	11338.9	3889.1
57	241M1086	3.0	82.0	104.0	69.0	73.1	13.7	7.4	11203.3	3912.9
54	241M1047	3.0	81.5	103.5	68.0	71.8	15.6	9.8	11200.6	3334.7
4	241L1033	3.0	79.5	99.0	69.3	73.9	18.3	16.6	11141.1	4326.3
36	241L1313	3.0	81.0	104.0	67.8	74.0	23.5	20.7	11101.8	2969.2
43	241L2016	2.0	81.0	98.0	67.4	73.4	21.1	19.8	11088.1	4421.1
37	241L1316	5.0	80.5	94.5	67.2	73.4	19.1	17.3	11006.6	3845.8
53	241M1041	3.0	79.5	109.5	68.1	72.1	17.9	15.2	10986.9	4428.9
34	241L1310	2.0	80.5	102.0	68.5	73.9	19.2	16.2	10936.2	3964.3
56	241M1054	3.0	85.0	98.0	65.6	71.7	14.9	10.1	10896.1	4152.6
33	241L1309	3.0	82.0	98.0	68.6	73.7	16.3	11.9	10853.6	4359.3
35	241L1312	3.0	84.0	100.0	67.1	73.6	17.5	15.3	10841.9	3834.4
62	241M1131	3.0	82.0	107.5	68.9	72.6	11.6	7.1	10789.1	3798.9
8	241L1060	3.0	82.0	103.5	69.0	74.1	18.2	17.9	10640.9	3601.6
30	241L1301	3.0	80.5	99.0	67.4	73.7	19.5	18.6	10622.6	3813.5
40	241L1323	4.0	83.0	95.0	70.2	74.4	13.8	12.0	10611.4	4456.1
41	241L1324	3.0	83.0	103.5	67.9	73.6	18.0	16.8	10602.5	4281.2
68	211L1008	4.0	79.0	104.5	70.1	73.5	17.1	16.6	10593.0	3902.1
46	241L2068	2.0	80.5	109.0	66.6	72.5	20.9	18.8	10577.9	5023.4
38	241L1319	4.0	84.0	100.5	69.4	74.0	18.9	17.7	10572.2	4605.0
26	241L1244	3.0	86.0	107.5	69.2	73.4	15.2	12.2	10540.4	3834.6
28	241L1277	3.0	84.0	96.0	68.5	74.0	16.4	12.9	10535.9	4179.2
3	241L1025	3.0	81.5	101.0	67.2	73.5	22.2	16.7	10521.9	3381.0
58	241M1102	3.0	83.0	98.5	69.7	73.0	8.8	4.5	10519.4	3970.1
17	241L1101	3.0	80.5	96.5	69.3	74.6	19.1	16.7	10482.8	3946.0
31	241L1305	4.0	83.5	105.5	68.5	73.7	20.3	15.8	10469.0	4183.0
10	241L1077	3.0	83.5	97.5	70.1	74.9	21.3	20.4	10462.7	4395.9
42	241L1325	4.0	82.5	97.5	69.0	74.1	17.9	17.1	10454.6	4635.0
19	241L1103	3.0	82.0	99.5	69.8	74.0	18.9	15.9	10358.5	3577.9
44	241L2035	3.0	79.0	94.5	65.9	74.0	25.4	21.7	10310.8	4644.6
25	241L1238	3.0	82.0	106.0	69.4	73.9	19.0	19.5	10307.8	3615.2
12	241L1089	3.0	81.5	100.5	69.8	74.1	14.7	11.9	10301.1	3362.2
51	241M1007	3.0	79.5	110.5	65.0	72.4	21.4	10.4	10251.0	3412.8
16	241L1100	4.0	84.0	99.0	70.5	74.5	18.2	13.7	10228.0	3983.2

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
69	Avant	2.0	75.0	94.5	69.3	73.7	17.0	15.1	10222.9	4206.2
9	241L1064	3.0	80.5	104.0	70.0	74.3	21.8	22.6	10199.7	3759.2
7	241L1052	3.0	80.5	96.5	69.2	73.7	19.6	19.3	10197.7	3597.4
15	241L1097	2.0	78.5	108.5	68.5	73.9	17.6	13.0	10193.8	3775.8
74	Taurus	3.0	82.0	90.0	68.7	73.5	9.2	3.2	10183.8	4287.6
39	241L1322	3.0	81.5	103.0	66.7	73.5	18.1	16.7	10161.5	3544.2
11	241L1078	3.0	83.0	99.5	69.8	74.2	18.7	18.4	10130.3	4369.7
18	241L1102	4.0	83.0	91.0	69.8	74.6	17.5	17.1	10026.8	4316.6
29	241L1295	3.0	79.0	97.5	69.7	73.9	16.1	14.6	9977.6	4217.8
49	241L3065	2.0	80.0	99.5	67.9	73.6	17.3	13.8	9957.5	4064.6
22	241L1188	3.0	83.0	105.0	71.3	74.8	10.1	8.7	9937.0	4902.6
48	241L3064	4.0	79.5	105.5	66.4	72.4	13.7	11.2	9901.7	4444.0
24	241L1200	4.0	81.0	108.5	69.1	73.7	14.7	11.3	9897.2	3143.9
45	241L2062	2.0	78.5	100.0	68.5	73.4	14.9	10.3	9881.5	4495.9
32	241L1308	3.0	84.0	107.0	69.9	74.1	15.8	12.7	9861.2	4019.5
2	241A1010	4.0	84.0	102.0	68.9	72.8	15.4	13.7	9811.0	4017.3
20	241L1108	4.0	80.5	107.0	70.3	74.8	17.1	14.4	9750.6	3468.6
6	241L1042	3.0	82.5	99.0	69.1	73.9	15.4	11.3	9723.1	3293.9
14	241L1095	3.0	81.5	101.0	70.4	74.8	20.4	17.2	9677.2	3680.9
13	241L1093	3.0	81.0	99.0	69.0	73.6	15.7	12.5	9654.2	3530.7
70	CLL19	3.0	81.0	97.5	67.1	73.1	21.7	17.8	9617.0	4012.6
27	241L1276	4.0	81.5	96.0	66.4	74.4	17.2	13.7	9505.0	3923.4
5	241L1041	3.0	81.5	105.5	67.7	73.6	12.7	8.7	9479.1	3589.4
23	241L1199	2.0	79.0	107.5	68.4	73.0	15.7	12.7	9377.4	3680.3
1	241A1009	3.0	81.5	112.0	67.3	71.9	17.9	16.3	9368.1	3571.5
47	241L3048	2.0	78.5	102.0	66.7	70.5	8.1	5.2	8850.6	4741.3
66	241M1144	3.0	80.0	89.5	46.5	72.6	16.8	9.1	8674.1	3481.8
21	241L1140	3.0	80.0	92.5	68.4	73.3	16.4	15.2	8629.5	3667.2
71	Della2	3.0	84.0	99.0	67.7	71.4	13.0	11.3	8559.2	4714.6
65	241M1140	3.0	80.5	87.5	63.1	73.3	18.2	12.3	8257.9	3568.1

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 5. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Provisia. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
64	DG263L-PV-011- sub1	4.0	86.0	104.0	65.9	70.1	9.0	5.8	10601.3	3317.4
70	23AR2205	3.0	86.5	101.0	67.0	70.7	21.3	16.0	10274.7	2866.6
34	243L1257	3.0	87.0	97.5	66.1	72.4	18.4	14.4	9970.5	2537.1
63	191M1192-PV-002- sub1	3.0	83.5	96.5	70.2	72.9	10.0	4.7	9730.2	3039.1
2	243L1011	3.0	85.5	98.5	70.2	74.0	13.7	8.7	9727.6	2936.5
62	191M1192-PV-001- sub3	3.0	82.0	104.5	70.1	73.2	8.5	6.0	9617.7	3566.7
59	243L3067	4.0	83.5	108.0	64.9	71.4	12.9	11.1	9541.8	3260.6
28	243L1212	3.0	85.0	104.0	64.5	71.4	18.8	14.4	9417.7	3167.0
51	243L1348	3.0	85.0	94.0	65.8	72.7	15.2	10.3	9406.7	3165.9
26	243L1204	3.0	83.0	101.5	64.3	71.5	11.4	7.5	9329.9	3106.5
18	243L1141	4.0	87.5	101.0	68.2	74.4	17.5	15.2	9208.1	3845.7
68	Fitzgerald-PV-006- sub2	3.0	84.5	116.5	68.7	71.4	10.6	6.1	9165.9	3261.2
23	243L1197	3.0	85.5	107.5	68.3	73.3	10.0	7.8	9114.8	3149.4
50	243L1322	3.0	88.0	94.0	66.7	73.1	15.3	11.2	9089.3	2405.0
4	243L1025	3.0	87.5	103.0	69.5	74.3	11.9	9.1	9008.9	2881.8
45	243L1300	3.0	89.0	99.5	66.8	72.2	16.7	13.4	8963.3	2704.9
7	243L1072	4.0	82.5	102.0	70.0	74.0	12.6	6.7	8962.1	2488.6
47	243L1304	3.0	89.0	109.5	67.1	72.5	19.5	16.2	8907.5	2898.1
60	243L3068	3.0	83.0	102.0	66.1	72.7	8.2	5.9	8898.8	3605.3
27	243L1208	3.0	81.5	103.0	66.6	72.2	11.5	7.7	8864.2	2457.4
55	243L2007	3.0	84.0	97.0	67.3	72.9	10.5	6.7	8849.3	3043.3
46	243L1302	3.0	89.0	104.5	64.8	72.4	19.4	16.8	8820.8	2342.5
30	243L1231	3.0	84.0	101.0	70.7	73.5	8.4	7.9	8689.0	3619.8
52	243L1349	3.0	88.0	100.5	67.4	72.5	11.8	8.2	8656.2	3426.2
41	243L1270	2.0	88.5	108.0	70.3	73.8	8.1	6.3	8655.5	4263.2
71	PVL03	2.0	84.0	99.0	69.0	74.0	13.6	11.3	8630.9	3024.1
25	243L1202	3.0	86.0	99.0	65.6	71.6	15.0	8.9	8613.3	2592.4
33	243L1249	4.0	87.5	113.5	64.8	73.0	16.2	10.4	8606.8	2692.9
31	243L1232	3.0	87.0	104.5	68.5	73.4	10.0	6.4	8576.5	2756.5
40	243L1267	3.0	86.5	103.0	69.9	73.6	14.1	13.1	8564.7	3277.3
36	243L1262	3.0	87.5	97.5	69.5	73.4	12.2	9.5	8560.5	3318.6
48	243L1306	3.0	88.0	107.0	65.8	73.8	14.5	11.3	8539.0	2261.5
39	243L1266	4.0	87.0	104.5	68.5	72.5	14.7	11.4	8520.2	3664.3
43	243L1295	3.0	88.0	100.5	69.0	73.0	14.6	11.2	8485.2	3274.1
53	243L1318	3.0	88.5	102.5	68.3	73.3	12.0	8.2	8484.0	2703.1
54	243L1326	3.0	86.5	103.0	65.9	72.5	13.4	9.4	8462.2	2628.3
9	243L1074	3.0	87.0	95.5	69.4	73.7	10.7	6.8	8446.5	2606.0
10	243L1077	4.0	88.5	92.5	67.5	72.5	14.0	11.8	8441.7	2800.1
57	243L2021	3.0	87.5	98.0	65.7	72.0	13.4	10.0	8400.0	2618.8
5	243L1037	3.0	88.5	99.5	67.6	74.0	23.2	19.4	8320.9	2477.1
17	243L1128	3.0	88.5	89.0	69.2	73.6	11.7	8.4	8301.3	2631.2

Continued.

Table 5. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
19	243L1148	3.0	89.5	100.5	71.0	74.6	14.4	8.0	8291.6	2837.6
56	243L2012	3.0	85.5	103.5	65.2	72.2	12.7	8.7	8288.4	2771.8
24	243L1198	3.0	86.5	100.5	67.7	73.1	10.6	6.8	8234.1	2899.2
22	243A1186	3.0	85.5	104.0	67.6	71.8	7.3	5.6	8214.0	2747.4
61	243L3079	4.0	85.0	95.5	67.6	72.9	11.9	10.0	8214.0	3258.5
29	243L1230	3.0	81.0	92.5	70.0	72.9	8.5	7.0	8190.9	2908.3
14	243L1112	5.0	88.5	100.5	69.2	72.9	10.5	4.9	8177.9	2822.4
49	243L1315	2.0	86.5	98.5	68.0	73.1	10.7	8.8	8092.9	2636.3
32	243L1236	4.0	86.0	98.5	70.0	73.5	10.8	6.2	8008.1	2854.6
3	243L1022	3.0	88.5	93.0	69.3	73.3	15.2	11.1	7937.5	2839.3
58	243L2022	3.0	86.0	97.5	64.7	72.5	15.0	11.5	7893.9	2662.9
44	243L1299	4.0	89.0	102.5	67.2	72.7	17.6	13.6	7825.1	2120.2
66	Fitzgerald-PV-001- sub2	3.0	88.0	97.0	65.6	70.6	10.2	7.1	7796.6	2532.2
1	243L1007	3.0	90.5	107.0	68.2	73.4	7.8	5.2	7772.6	2909.2
65	Jazzman-PV-002- sub2	2.0	87.0	108.0	70.1	72.8	3.9	3.2	7725.2	3520.5
35	243L1258	5.0	88.5	100.0	67.8	73.1	9.7	6.7	7715.7	3024.3
69	PVL05	3.0	86.5	90.5	62.9	72.7	14.5	11.8	7699.3	2100.0
42	243L1278	4.0	87.0	101.5	68.6	73.3	10.8	5.7	7693.2	2459.9
15	243L1115	4.0	91.0	96.5	68.7	73.6	13.1	9.6	7683.3	2888.9
6	243L1069	3.0	87.0	97.0	69.9	73.5	10.5	6.9	7523.8	2947.4
20	243A1180	3.0	88.0	94.5	70.4	73.5	4.8	4.2	7283.2	2561.4
72	PVL04	5.0	94.0	101.5	63.5	71.0	14.4	11.1	7252.7	2666.8
38	243L1264	3.0	91.0	86.0	68.9	73.1	11.3	9.3	7137.8	3073.1
8	243L1073	3.0	87.5	98.0	69.1	73.6	9.8	6.4	6983.1	2350.8
11	243L1089	3.0	89.5	96.0	67.3	72.4	14.6	12.0	6968.4	3085.9
67	Fitzgerald-PV-002- sub1	4.0	88.5	98.0	67.8	71.6	7.9	5.3	6875.5	2915.2
16	243L1124	4.0	88.0	98.0	70.8	74.1	7.4	4.1	6860.4	2366.6
21	243A1184	4.0	90.0	93.0	69.6	72.5	3.7	2.8	6706.8	2610.4
12	243L1097	4.0	87.5	91.5	69.3	73.7	17.0	13.8	6615.8	2322.9
13	243L1100	4.0	86.0	98.5	69.4	74.6	14.2	10.9	6454.6	2442.1
37	243L1263	4.0	89.5	91.5	68.3	73.0	12.0	8.1	6110.8	2924.4

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 6. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Clearfield. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
72	CLL18	3.0	76.0	106.5	61.1	70.6	21.5	20.0	9429.5	2285.8
75	CLM05	2.0	77.5	96.0	66.6	70.0	19.0	16.0	9141.9	3332.7
50	242L2146	3.0	72.0	97.0	65.2	72.7	18.0	15.1	9025.1	2549.2
71	CLL16	1.0	77.0	101.0	61.7	71.0	16.9	13.6	9023.3	1949.2
31	242L1281	3.0	74.0	96.5	66.0	73.3	15.8	14.4	8887.7	3073.1
46	242L2120	3.0	69.5	92.0	59.3	75.5	18.5	14.3	8814.5	3418.7
6	242L1040	3.0	69.0	99.0	61.4	74.2	22.6	23.3	8803.4	3137.0
32	242L1282	2.0	68.0	99.0	59.3	73.8	22.2	20.9	8793.6	3399.5
11	242L1124	3.0	72.5	98.5	66.8	72.5	16.7	13.0	8772.4	3006.3
44	242L2116	3.0	70.5	102.0	62.5	73.2	22.4	16.9	8764.3	2661.9
59	242M1017	3.0	80.0	100.5	65.6	69.8	18.7	13.0	8763.7	3643.5
27	242L1265	3.0	71.0	92.5	69.6	74.8	17.6	14.9	8748.3	3637.7
70	CL153	2.0	69.0	92.5	64.1	72.8	23.6	19.4	8694.0	3774.3
51	242L2149	3.0	76.0	105.5	65.7	72.6	20.1	17.1	8652.5	3364.7
56	242L3026	1.0	68.5	105.0	61.4	71.2	21.5	16.0	8614.4	2926.0
30	242L1278	3.0	71.0	93.5	65.2	73.1	21.7	20.0	8605.4	2956.9
58	242M1008	3.0	74.5	105.0	67.9	71.8	13.2	6.0	8555.3	3102.4
37	242L1314	3.0	69.5	87.0	60.8	74.0	21.1	18.4	8549.8	3856.2
35	242L1292	2.0	69.0	95.5	62.3	73.5	16.0	12.5	8475.8	3925.8
12	242L1125	3.0	73.5	99.0	70.2	74.9	16.7	15.7	8465.0	3198.8
43	242L2006	3.0	72.0	101.5	65.8	72.9	21.8	19.2	8450.4	3371.4
29	242L1274	3.0	69.5	96.5	68.5	73.7	11.9	8.5	8428.5	4472.2
39	242L1322	3.0	71.0	98.5	58.8	72.9	25.6	21.0	8337.4	3024.2
48	242L2125	3.0	70.5	95.5	65.0	73.9	21.6	16.4	8328.9	3449.4
38	242L1321	3.0	73.0	92.0	62.2	73.7	21.2	19.5	8312.4	3690.2
8	242L1086	2.0	71.0	97.5	68.1	74.3	18.0	15.5	8308.6	2525.9
19	242L1156	2.0	71.0	98.0	67.5	74.8	21.8	16.6	8275.5	2851.4
23	242L1222	3.0	69.0	97.5	69.6	74.5	12.6	12.1	8245.0	3226.6
47	242L2123	2.0	70.0	94.5	58.0	73.5	19.5	14.8	8223.3	3068.8
25	242L1228	2.0	74.5	94.0	65.6	74.0	18.7	15.8	8174.7	3094.6
18	242L1154	3.0	76.0	89.0	65.0	73.5	18.8	14.4	8173.6	2616.3
40	242L1347	3.0	73.5	98.5	64.3	72.8	22.4	17.8	8152.4	3847.4
33	242L1289	3.0	76.0	98.0	62.3	72.9	14.0	9.4	8142.4	3401.0
4	242L1010	2.0	75.5	99.0	68.0	73.5	16.3	16.3	8136.4	2776.6
9	242L1094	1.0	69.0	104.0	64.2	73.7	20.3	17.8	8129.7	3277.1
69	242M1141	2.0	70.0	89.5	67.8	72.6	14.7	10.6	8124.8	2477.9
49	242L2141	3.0	76.5	97.0	67.0	73.1	18.6	15.5	8078.6	3445.3
42	242L1357	3.0	69.5	101.5	67.4	72.9	16.0	12.2	8077.6	3183.1
57	242M1006	3.0	77.0	108.0	66.5	71.5	20.1	11.7	8060.8	2333.6
20	242L1163	3.0	71.5	104.0	61.2	70.5	22.9	17.9	8028.8	3667.4
52	242L2159	1.0	74.0	91.0	63.2	74.3	18.6	15.4	8001.5	2958.4
36	242L1307	3.0	69.0	97.0	66.0	73.9	20.0	18.9	7993.1	3161.2
65	242M1120	3.0	78.0	101.5	68.1	71.4	14.0	10.3	7982.4	2665.6
74	CLM04	2.0	78.5	97.5	68.7	71.3	13.0	9.1	7950.6	2116.9
21	242L1194	3.0	70.5	98.5	66.7	73.5	17.9	17.2	7950.2	2941.5

Continued.

Table 6. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
10	242L1096	3.0	70.5	91.0	65.7	72.7	17.9	14.1	7925.0	3904.3
7	242L1063	3.0	78.0	103.0	66.6	72.5	17.1	12.2	7898.7	2640.8
28	242L1272	3.0	73.5	94.0	66.4	72.0	17.4	13.8	7895.4	2872.2
13	242L1130	3.0	70.0	94.5	66.5	73.9	22.7	18.9	7843.2	3318.2
54	242L3017	4.0	77.5	110.0	64.5	72.6	14.0	13.0	7841.4	4058.3
3	242L1004	3.0	71.0	102.0	64.8	73.3	21.4	21.4	7832.9	3114.7
53	242L3012	3.0	77.0	107.5	64.7	71.1	14.6	11.1	7824.1	3412.6
68	242M1138	3.0	79.5	100.0	67.8	71.5	15.1	11.3	7818.5	2389.9
22	242L1210	3.0	69.0	102.0	64.0	74.0	12.8	10.4	7803.3	3311.8
5	242L1038	3.0	73.5	97.0	69.8	74.9	14.2	11.2	7800.1	3113.7
45	242L2118	3.0	74.0	97.5	65.7	73.4	18.7	13.7	7773.7	2507.4
17	242L1151	3.0	71.5	100.5	67.4	73.1	15.0	12.6	7735.7	3450.6
61	242M1097	3.0	76.5	101.5	63.5	70.3	21.1	18.6	7682.8	3402.3
2	242L1001	3.0	75.5	99.5	68.5	72.7	15.0	10.9	7670.9	3157.0
62	242M1105	3.0	77.5	88.5	68.4	72.5	13.9	10.1	7670.5	2101.3
1	202L2141	3.0	78.0	101.0	62.8	70.6	14.8	13.9	7636.4	2492.5
73	CLL19	2.0	71.5	96.0	66.5	73.1	11.5	8.8	7599.3	3394.0
14	242L1132	2.0	74.0	100.5	67.6	73.9	13.7	9.7	7520.3	2907.6
26	242L1239	2.0	78.5	101.0	68.9	73.7	11.2	6.9	7481.1	3475.4
16	242L1149	3.0	74.5	96.0	64.3	71.4	18.3	15.9	7455.0	3180.5
64	242M1115	3.0	80.0	97.5	67.2	71.3	16.8	13.3	7389.8	2102.1
41	242L1354	3.0	76.5	91.0	66.5	72.2	21.4	15.0	7305.2	3408.5
24	242L1223	3.0	75.5	94.0	69.5	74.9	15.2	14.1	7247.0	2364.9
63	242M1108	3.0	76.0	91.0	62.7	70.3	20.1	13.4	7215.2	2284.8
15	242L1141	4.0	77.5	96.0	64.4	70.1	15.7	13.3	7214.2	2202.1
67	242M1135	3.0	80.0	101.0	70.2	72.7	12.2	9.7	6896.7	3102.4
55	242L3020	3.0	71.0	102.5	67.4	74.2	13.0	12.1	6880.5	3185.0
34	242L1291	3.0	78.0	105.0	68.1	73.6	16.7	12.1	6851.5	3576.1
60	242M1019	4.0	80.0	86.5	68.2	71.9	16.4	10.2	6707.8	2524.2
66	242M1128	3.0	80.0	94.5	67.9	71.8	10.2	7.2	5986.8	2479.9

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 7. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Conventional. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
72	DG263L	2.0	75.0	106.5	59.9	68.7	15.4	14.4	9216.8	-
74	Taurus	2.0	73.5	92.0	64.2	72.8	9.2	4.6	8182.1	2037.3
64	241M1135	3.0	75.5	104.5	55.4	71.8	9.9	3.5	8080.2	2096.4
68	211L1008	3.0	72.0	100.5	66.1	71.9	17.9	18.7	8078.1	2062.3
61	241M1129	3.0	75.0	96.5	64.3	71.2	13.2	7.6	8003.4	2359.5
44	241L2035	3.0	73.0	97.5	62.4	72.0	20.7	17.1	7976.4	3006.6
63	241M1133	3.0	75.5	107.0	64.5	70.4	14.8	8.1	7957.3	2752.0
67	231M1108	3.0	76.0	99.0	63.2	70.4	18.4	15.6	7924.2	-
52	241M1036	4.0	76.0	93.5	65.6	71.3	11.8	6.3	7796.2	2319.8
47	241L3048	3.0	71.5	110.5	61.3	68.2	5.4	4.2	7784.6	2518.5
4	241L1033	3.0	72.5	96.0	62.0	71.3	14.1	13.6	7758.0	1985.2
9	241L1064	3.0	76.5	103.5	64.2	72.8	14.4	14.6	7747.8	2203.8
15	241L1097	2.0	71.5	108.5	63.2	71.8	18.3	13.5	7743.6	2287.1
43	241L2016	3.0	76.5	96.5	60.8	70.2	18.5	16.5	7676.5	2949.6
53	241M1041	4.0	78.0	98.5	63.7	70.2	19.2	13.1	7535.2	2017.9
41	241L1324	3.0	76.5	98.5	61.2	71.0	16.1	13.5	7497.6	2782.5
70	CLL19	3.0	73.5	92.0	62.8	71.2	16.6	12.0	7480.3	2305.6
57	241M1086	3.0	75.5	95.0	61.6	71.9	13.1	7.3	7459.9	2501.0
69	Avant	2.0	70.5	86.0	65.6	72.6	17.3	17.2	7437.9	2160.3
62	241M1131	3.0	76.0	99.5	63.2	69.5	13.8	8.1	7367.6	2299.0
19	241L1103	3.0	77.0	105.5	64.2	71.8	15.2	11.2	7296.8	2778.0
51	241M1007	3.0	74.0	98.0	60.3	70.1	18.5	8.1	7284.4	2361.1
75	Venus	3.0	75.0	90.5	65.2	69.8	14.6	9.0	7226.3	2089.6
39	241L1322	4.0	77.0	99.0	58.5	70.7	14.0	12.1	7206.6	2611.2
28	241L1277	3.0	76.5	92.0	60.0	70.6	15.9	11.7	7197.7	2337.4
56	241M1054	5.0	78.5	93.0	54.1	69.2	16.5	11.5	7144.1	1728.1
45	241L2062	3.0	74.0	97.5	63.1	70.6	13.7	9.3	7134.7	2960.1
54	241M1047	4.0	79.0	97.0	63.0	69.5	18.2	12.7	7062.0	2307.1
48	241L3064	3.0	72.5	100.5	61.1	69.2	10.5	8.5	7057.6	2720.6
55	241M1053	5.0	79.0	102.0	63.2	69.6	16.7	9.3	6991.1	1855.3
29	241L1295	3.0	72.5	91.0	64.6	72.1	15.9	14.7	6975.2	2003.6
14	241L1095	3.0	78.0	101.5	62.8	72.0	17.8	12.9	6947.2	1783.8
60	241M1128	3.0	80.0	103.5	61.5	69.0	16.0	7.6	6874.3	2301.7
46	241L2068	3.0	77.0	107.5	62.5	70.0	14.4	10.8	6863.1	2814.0
58	241M1102	5.0	78.5	96.5	63.3	70.9	7.3	2.5	6826.0	2152.3
25	241L1238	3.0	77.5	92.5	62.2	71.7	16.7	15.5	6748.0	1806.1
3	241L1025	3.0	79.5	99.5	61.7	71.1	21.8	13.8	6718.6	2342.6
37	241L1316	3.0	76.0	96.5	60.5	70.9	13.5	10.1	6707.4	2868.0
38	241L1319	3.0	77.5	98.5	61.1	70.8	13.0	11.1	6705.3	2987.9
59	241M1119	4.0	78.0	99.5	64.0	70.2	15.3	11.1	6680.6	2123.4
21	241L1140	3.0	75.0	94.5	61.7	71.1	13.3	11.7	6655.9	2122.2
30	241L1301	3.0	76.0	86.5	62.2	71.6	14.6	12.2	6643.5	2362.2
13	241L1093	3.0	77.5	89.0	63.2	71.7	14.8	9.0	6618.3	2459.6
6	241L1042	3.0	78.5	97.5	63.3	71.1	11.7	8.1	6606.7	-
20	241L1108	3.0	76.0	109.5	62.3	71.2	14.0	11.7	6563.1	2326.6

Continued.

Table 7. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
49	241L3065	3.0	77.5	97.5	60.5	70.1	17.7	13.1	6494.0	2872.5
32	241L1308	3.0	79.5	105.0	58.9	69.6	15.5	11.3	6442.3	2948.2
7	241L1052	3.0	77.0	103.5	62.3	70.9	14.6	12.8	6432.4	2430.5
18	241L1102	3.0	76.0	92.5	64.3	71.9	15.4	13.0	6430.8	2152.9
11	241L1078	3.0	78.0	91.0	61.9	71.1	13.6	12.1	6424.6	2388.6
8	241L1060	3.0	77.5	83.0	64.8	72.8	12.0	10.7	6423.8	2421.6
73	Jupiter	3.0	80.0	100.0	58.4	69.4	18.4	13.0	6415.2	2220.3
31	241L1305	3.0	76.5	100.5	59.7	71.0	18.9	14.5	6390.4	2519.2
22	241L1188	3.0	77.5	102.0	63.9	71.1	7.4	5.2	6291.7	3107.8
2	241A1010	3.0	76.0	98.0	57.8	68.7	10.9	8.6	6278.6	2600.2
40	241L1323	3.0	76.5	89.0	59.5	70.4	13.9	10.4	6229.3	2923.4
23	241L1199	3.0	78.5	104.5	62.4	71.1	11.2	6.5	6216.9	2561.7
5	241L1041	3.0	79.0	84.0	61.0	70.3	12.8	8.4	6192.9	1942.2
33	241L1309	3.0	79.5	98.0	57.6	69.3	17.8	13.6	6192.6	2702.5
42	241L1325	3.0	78.5	98.5	59.3	70.5	15.1	12.5	6186.9	2775.6
16	241L1100	3.0	78.5	98.5	62.5	71.2	18.2	11.3	6159.6	2158.8
50	241L3088	3.0	80.5	103.5	58.4	67.0	10.3	8.7	6147.1	2707.7
34	241L1310	3.0	77.5	99.5	56.0	69.1	19.0	15.4	6115.7	2424.4
1	241A1009	2.0	77.0	98.5	60.5	69.2	12.0	9.2	6103.2	3036.7
12	241L1089	3.0	79.0	96.5	59.5	70.0	13.8	10.6	6091.8	2207.1
71	Della2	2.0	79.5	96.5	59.3	67.4	9.7	6.7	6059.7	2733.0
24	241L1200	3.0	81.5	110.5	62.4	70.4	11.3	6.8	5921.0	2601.5
27	241L1276	3.0	79.0	87.5	58.5	71.1	15.1	13.1	5875.4	2325.8
10	241L1077	3.0	78.5	88.0	60.9	70.6	18.6	17.2	5739.1	2559.6
36	241L1313	3.0	78.0	102.0	53.3	68.6	19.4	15.7	5732.0	2178.6
35	241L1312	3.0	79.0	102.0	58.1	68.6	17.5	13.9	5721.9	2509.6
26	241L1244	3.0	79.5	103.0	58.4	68.7	14.6	11.8	5634.2	2439.6
17	241L1101	3.0	79.5	84.5	59.2	69.9	14.9	9.4	5503.3	2535.7
65	241M1140	3.0	77.5	92.5	57.8	71.4	16.9	10.9	5380.0	2745.7
66	241M1144	3.0	76.0	83.5	63.1	70.6	15.4	8.6	5367.5	2257.6

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 8. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Provisia. H. Rouse Caffey Rice Research Station, Rayne, LA – Late Planting.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
64	DG263L-PV-011- sub1	3.0	82.5	109.0	53.0	64.0	10.6	6.8	7436.4	2319.6
1	243L1007	3.0	81.0	104.0	58.9	69.5	9.7	6.3	7180.8	3070.8
29	243L1230	2.0	71.5	88.5	63.7	69.7	8.2	7.2	7019.9	3390.1
9	243L1074	2.0	76.0	97.0	58.6	69.6	9.6	7.1	6996.3	2590.0
11	243L1089	3.0	76.5	102.5	54.8	67.5	15.2	14.2	6898.9	3870.1
10	243L1077	3.0	81.5	107.5	57.3	68.1	17.9	16.6	6878.9	2889.5
8	243L1073	2.0	75.0	98.5	59.3	70.2	10.8	8.8	6779.2	2385.7
7	243L1072	3.0	72.0	100.0	59.1	70.9	11.3	7.2	6668.5	1944.5
71	PVL03	1.0	78.0	102.5	57.0	69.8	13.4	11.7	6315.6	2856.2
31	243L1232	3.0	77.5	104.5	57.8	69.4	10.6	7.5	6310.2	2612.7
17	243L1128	3.0	80.0	101.5	58.5	67.9	11.3	7.9	6277.1	3203.4
23	243L1197	2.0	80.0	112.0	51.9	66.8	10.0	7.7	6260.8	3505.4
32	243L1236	2.0	72.5	104.0	60.6	71.2	8.0	5.2	6193.5	3592.1
5	243L1037	3.0	78.5	108.5	42.4	63.4	21.4	18.9	6187.5	2955.5
19	243L1148	2.0	78.0	105.0	59.9	69.4	16.2	13.5	6158.6	3252.9
14	243L1112	3.0	77.5	97.5	59.1	69.9	12.1	7.5	6107.7	2999.7
16	243L1124	3.0	76.5	99.5	61.1	70.0	9.0	6.6	6067.7	2758.1
30	243L1231	2.0	75.0	101.0	61.6	69.5	10.1	9.8	6016.5	4159.4
43	243L1295	3.0	78.0	103.5	52.5	66.0	15.2	11.9	6006.5	3711.7
48	243L1306	3.0	79.5	106.0	48.8	67.4	8.5	5.9	5977.7	2646.4
69	PVL05	3.0	82.0	104.5	39.8	62.7	12.8	10.8	5936.6	2622.9
51	243L1348	2.0	80.5	104.0	48.2	65.3	13.1	10.2	5800.9	3470.0
70	23AR2205	3.0	83.5	89.5	57.5	64.6	24.6	18.8	5764.0	2903.5
34	243L1257	3.0	81.0	96.0	45.0	64.2	17.1	12.8	5725.8	2479.3
49	243L1315	3.0	78.0	103.5	50.6	66.3	9.4	7.6	5704.7	3118.7
68	Fitzgerald-PV-006- sub2	3.0	77.5	109.5	57.1	66.0	6.1	4.2	5701.2	3448.0
6	243L1069	3.0	78.0	99.0	55.9	67.9	10.8	8.0	5657.4	2681.5
4	243L1025	1.0	78.0	103.0	55.4	68.3	13.6	11.5	5652.2	2913.1
57	243L2021	3.0	80.5	105.0	50.7	65.5	11.5	9.0	5607.9	3142.4
36	243L1262	3.0	77.0	97.0	56.5	67.8	13.7	11.5	5528.6	3505.3
60	243L3068	3.0	76.0	101.5	44.7	64.7	7.7	5.9	5503.1	3999.7
41	243L1270	3.0	81.0	107.0	52.2	65.9	9.1	6.6	5278.8	4162.4
40	243L1267	3.0	78.0	103.5	55.4	67.6	14.6	12.8	5265.7	3248.2
65	Jazzman-PV-002- sub2	3.0	82.5	111.0	57.8	67.1	4.9	3.2	5184.5	4423.9
72	PVL04	3.0	82.0	98.5	49.7	65.2	13.3	10.9	5169.3	3361.6
55	243L2007	3.0	75.5	100.5	49.0	65.1	10.6	7.5	5152.6	2847.4
22	243A1186	3.0	75.5	102.0	51.7	65.8	8.4	7.3	5128.4	3300.8
44	243L1299	1.0	78.0	104.0	51.5	66.3	16.7	13.2	5124.8	2756.1
15	243L1115	4.0	83.0	99.5	52.5	65.8	18.9	15.6	5080.9	4055.8
61	243L3079	3.0	80.5	98.0	48.9	66.1	12.1	10.1	5069.9	4062.3
58	243L2022	2.0	75.5	101.0	43.8	63.9	15.4	12.7	5014.4	2991.0
47	243L1304	1.0	81.0	111.0	51.1	65.1	20.3	17.4	4953.5	3202.3

Continued.

Table 8. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
37	243L1263	3.0	80.5	101.5	53.7	66.4	15.8	13.4	4939.6	3759.0
56	243L2012	2.0	76.0	104.0	46.4	64.1	13.5	9.6	4918.2	2835.7
46	243L1302	3.0	84.5	98.0	42.7	62.5	18.7	16.2	4877.6	2745.9
54	243L1326	3.0	76.5	105.0	42.8	62.4	12.2	9.0	4870.5	3511.3
3	243L1022	3.0	78.0	97.0	58.2	68.4	17.0	15.5	4833.9	2474.4
45	243L1300	2.0	79.0	99.5	52.2	66.3	18.1	15.7	4831.4	2533.8
35	243L1258	3.0	79.0	111.5	52.9	67.7	10.3	7.4	4830.5	2801.7
18	243L1141	3.0	80.0	106.0	52.2	67.5	22.0	21.3	4771.6	3152.9
52	243L1349	3.0	82.0	94.0	49.3	65.0	13.5	11.9	4745.1	3643.1
50	243L1322	3.0	82.0	101.0	49.7	64.4	15.3	11.9	4740.2	2927.8
53	243L1318	3.0	82.0	108.0	46.7	64.2	10.3	8.2	4709.5	3298.5
24	243L1198	2.0	84.5	100.0	44.0	63.1	11.0	7.2	4673.4	3172.0
2	243L1011	1.0	79.5	102.5	54.4	66.6	14.6	9.7	4655.0	3043.0
39	243L1266	3.0	80.5	99.0	49.6	64.3	15.2	12.0	4582.3	3859.5
26	243L1204	4.0	76.0	103.5	47.0	66.1	10.1	7.2	4481.6	2498.8
59	243L3067	3.0	77.5	104.5	49.0	66.1	9.6	7.8	4452.7	3647.0
20	243A1180	2.0	78.5	97.0	59.0	67.8	5.0	3.9	4396.3	2874.7
28	243L1212	3.0	82.5	109.5	46.5	64.7	18.1	14.2	4382.5	3334.9
42	243L1278	4.0	78.0	100.0	51.4	66.2	10.0	7.5	4364.9	3338.3
63	191M1192-PV-002- sub1	2.0	80.0	86.5	61.1	67.4	14.0	11.4	4310.9	2771.4
38	243L1264	4.0	83.5	89.0	53.7	65.7	13.1	10.2	4283.4	3289.7
33	243L1249	3.0	80.0	111.5	42.1	64.9	14.5	9.7	4249.8	2228.4
13	243L1100	3.0	76.0	98.0	52.7	67.9	15.6	14.0	4152.7	2605.4
66	Fitzgerald-PV-001- sub2	3.0	80.5	100.0	48.5	63.2	14.8	11.7	3911.2	3304.3
12	243L1097	3.0	79.5	97.0	55.8	68.4	15.1	13.5	3851.5	2896.5
27	243L1208	3.0	78.0	97.0	46.7	63.8	11.0	7.7	3640.8	2939.6
21	243A1184	3.0	82.5	94.5	53.9	65.2	7.8	6.0	3616.4	3218.3
67	Fitzgerald-PV-002- sub1	3.0	79.0	94.5	52.2	65.1	11.8	10.0	3466.0	3719.2
25	243L1202	4.0	85.5	100.0	29.7	58.7	10.4	5.7	3359.5	3538.8
62	191M1192-PV-001- sub3	4.0	82.0	95.0	57.6	66.4	14.3	12.1	3006.6	2788.0

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 9. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Clearfield. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
58	242M1008	6.0	83.0	111.5	63.7	71.6	13.3	5.7	11809.4	3568.5
67	242M1135	6.0	86.5	104.0	67.3	73.7	7.8	5.5	11725.7	4719.8
72	CLL18	3.0	82.5	117.0	62.0	71.6	21.1	19.8	11689.9	2940.0
66	242M1128	6.0	84.0	110.5	65.8	72.9	6.9	3.8	11560.8	3863.9
64	242M1115	5.0	87.0	105.5	66.3	71.7	13.8	8.9	11529.5	2886.2
71	CLL16	4.0	85.5	110.5	62.3	71.9	15.0	12.9	11495.7	2156.2
39	242L1322	7.0	81.5	100.5	63.1	73.8	21.6	17.3	11284.1	3504.1
63	242M1108	6.0	83.0	109.0	62.9	69.6	20.2	14.4	11247.4	2966.2
68	242M1138	6.0	87.0	106.5	65.7	73.2	11.6	8.2	11223.5	3661.8
74	CLM04	5.0	85.5	111.5	68.7	72.7	10.5	8.3	11190.3	3195.6
57	242M1006	5.0	82.5	113.5	65.5	72.8	15.1	6.5	11019.7	3789.6
75	CLM05	4.0	84.0	99.5	65.0	70.6	13.9	10.1	11016.6	3965.5
7	242L1063	6.0	88.5	112.5	68.3	74.3	14.8	9.6	10942.8	3309.5
50	242L2146	5.0	81.0	106.0	67.6	74.8	14.7	13.3	10934.8	3671.8
51	242L2149	6.0	84.0	110.0	66.2	73.9	19.4	17.0	10933.3	4179.7
65	242M1120	5.0	86.5	118.5	66.9	72.6	9.5	4.3	10904.2	3855.2
27	242L1265	5.0	82.0	108.0	70.6	75.0	15.8	13.5	10892.6	4156.0
18	242L1154	6.0	85.5	104.0	65.6	73.9	21.5	19.1	10864.7	2993.8
43	242L2006	5.0	81.5	109.5	66.4	74.5	18.6	15.8	10797.0	3617.3
61	242M1097	5.0	84.0	108.0	65.1	71.6	18.5	15.7	10705.4	4185.6
45	242L2118	5.0	83.0	106.5	67.3	74.9	15.5	9.6	10653.0	3533.4
24	242L1223	7.0	85.5	109.0	71.3	75.9	11.0	10.2	10638.6	4103.3
21	242L1194	6.0	82.0	108.0	67.5	74.8	18.0	18.1	10612.3	3479.2
41	242L1354	6.0	87.0	103.0	67.5	73.7	18.8	13.4	10602.0	3883.0
8	242L1086	6.0	81.5	106.5	69.8	74.7	16.1	14.3	10601.6	3755.4
37	242L1314	6.0	80.0	94.0	64.5	74.9	23.4	20.5	10599.7	3943.5
4	242L1010	5.0	85.0	107.0	68.3	74.0	15.7	16.9	10546.5	3316.9
47	242L2123	5.0	82.0	104.5	63.5	74.0	19.1	13.2	10538.8	4116.5
60	242M1019	5.0	86.0	101.5	67.6	73.1	15.2	11.2	10536.0	3755.8
23	242L1222	6.0	84.0	110.0	71.6	75.6	10.8	10.2	10498.4	3031.6
69	242M1141	5.0	82.0	100.5	64.9	72.1	14.7	9.1	10479.0	2910.3
6	242L1040	5.0	77.0	104.0	64.5	74.9	19.4	19.5	10469.3	4181.4
55	242L3020	5.0	81.5	116.5	69.4	75.3	16.1	15.3	10445.3	3420.2
46	242L2120	5.0	81.0	99.0	64.4	73.5	18.6	13.7	10441.6	4197.0
20	242L1163	5.0	82.5	111.5	64.1	73.7	19.0	16.1	10402.6	4138.2
40	242L1347	6.0	84.0	106.5	66.1	73.6	18.7	15.2	10399.3	4029.6
52	242L2159	6.0	83.0	99.5	68.1	76.2	17.0	12.7	10366.8	2788.3
14	242L1132	5.0	84.0	107.5	69.6	75.4	13.1	9.3	10348.3	3676.6
48	242L2125	5.0	82.5	104.0	69.4	75.6	18.3	14.4	10301.7	4095.1
5	242L1038	6.0	83.0	105.5	70.1	75.6	15.6	13.2	10279.0	3684.4
25	242L1228	6.0	82.5	107.0	66.6	75.2	17.8	16.6	10254.5	3245.2
38	242L1321	7.0	83.0	98.0	66.8	75.0	19.4	17.8	10199.9	3908.3
30	242L1278	6.0	81.0	105.0	65.2	73.7	21.4	21.4	10140.3	3519.7
19	242L1156	5.0	81.5	104.5	69.0	75.4	19.4	15.0	10122.5	3941.9
62	242M1105	7.0	85.0	100.5	65.3	73.2	12.4	9.5	10089.1	3245.5

Continued.

Table 9. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
42	242L1357	5.0	81.0	103.5	67.3	73.8	17.1	13.2	10075.4	3256.2
15	242L1141	6.0	85.5	101.5	66.9	73.4	12.7	11.6	10004.4	4272.3
28	242L1272	7.0	83.0	102.0	64.9	72.3	17.5	15.7	9937.0	3326.6
33	242L1289	5.0	84.0	108.0	66.7	74.4	11.9	7.2	9920.1	2978.7
53	242L3012	5.0	85.5	108.0	66.7	73.0	13.0	10.8	9911.6	3607.8
32	242L1282	5.0	78.5	104.0	67.4	74.9	21.2	19.5	9880.9	4057.7
73	CLL19	5.0	83.5	103.5	70.0	75.1	10.7	8.3	9825.0	3432.5
1	202L2141	6.0	87.5	113.0	64.7	72.0	13.3	13.3	9799.1	1816.2
11	242L1124	6.0	84.5	113.5	68.6	74.1	14.3	12.0	9785.3	4050.1
44	242L2116	6.0	82.0	103.0	65.6	73.9	20.3	14.9	9716.7	3357.7
29	242L1274	6.0	81.5	105.5	69.7	75.2	10.8	8.2	9698.4	4027.0
26	242L1239	5.0	85.5	109.5	68.6	74.3	13.2	10.5	9697.2	4272.8
54	242L3017	7.0	86.5	118.5	68.8	74.2	12.1	10.9	9693.4	3858.8
59	242M1017	7.0	87.0	102.0	67.6	72.5	12.5	8.0	9660.8	3915.8
12	242L1125	6.0	83.5	98.5	70.0	74.8	14.3	13.0	9635.2	3081.1
70	CL153	5.0	79.0	97.5	66.6	74.2	20.4	19.4	9530.0	3187.1
16	242L1149	6.0	83.0	101.0	64.6	72.6	18.3	16.4	9525.3	3105.7
49	242L2141	6.0	85.0	110.5	66.8	74.1	17.2	14.6	9510.9	3898.3
56	242L3026	5.0	81.0	110.5	64.9	73.6	17.3	14.9	9448.5	3122.1
3	242L1004	6.0	82.5	102.0	67.2	74.1	17.9	17.1	9341.1	3161.2
22	242L1210	6.0	79.0	108.0	67.3	74.7	11.5	9.2	9307.2	3866.9
31	242L1281	6.0	82.5	103.5	64.8	73.9	12.9	10.7	9080.3	3924.0
10	242L1096	5.0	83.0	109.5	68.9	74.6	15.3	12.9	8929.1	3360.0
2	242L1001	6.0	83.5	105.0	70.7	75.7	13.4	9.4	8900.2	4040.1
13	242L1130	4.0	81.0	100.0	65.6	74.0	20.1	17.4	8852.8	3128.9
36	242L1307	6.0	81.5	107.5	64.2	74.1	14.4	13.8	8834.0	3566.6
35	242L1292	5.0	80.5	107.0	67.2	75.0	15.7	12.8	8562.4	3911.6
34	242L1291	5.0	82.5	111.0	68.7	74.6	12.8	10.2	8527.1	4496.5
9	242L1094	4.0	79.5	112.0	65.0	74.2	15.2	12.5	7561.4	3482.8
17	242L1151	6.0	83.0	99.0	69.0	74.6	12.9	10.5	6597.6	3082.1

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 10. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Conventional. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
52	241M1036	5.0	84.5	106.5	67.7	72.1	12.5	6.6	10963.7	4132.6
62	241M1131	5.0	82.5	104.5	67.3	71.0	13.0	6.7	10942.1	4002.2
61	241M1129	5.0	82.5	100.0	64.2	70.2	14.6	8.9	10635.3	3935.3
74	Taurus	5.0	81.5	90.0	64.8	71.9	11.2	4.7	10508.3	3963.8
14	241L1095	5.0	83.0	103.5	68.8	74.9	16.5	14.2	10399.8	4261.4
67	231M1108	6.0	83.0	106.5	65.1	70.4	22.8	21.1	10375.9	2833.6
73	Jupiter	6.0	85.0	96.0	65.1	69.4	15.8	11.5	10325.8	3398.5
32	241L1308	5.0	84.5	107.5	66.1	73.1	14.8	11.6	10294.4	3829.8
12	241L1089	5.0	83.0	112.5	67.6	73.8	11.6	7.8	10242.8	3664.9
13	241L1093	5.0	81.5	103.5	68.2	74.1	13.3	9.0	10189.8	3816.8
54	241M1047	5.0	85.0	102.5	67.2	70.7	13.9	8.1	10172.9	3871.0
26	241L1244	5.0	86.0	110.0	67.9	73.7	11.6	6.5	10165.1	3667.8
5	241L1041	5.0	84.0	99.5	67.6	73.7	12.9	8.8	10164.5	3573.2
64	241M1135	6.0	83.0	107.0	65.3	71.4	11.8	4.5	10141.8	4075.8
75	Venus	6.0	83.0	99.5	68.0	71.2	12.9	7.0	10094.6	4426.7
16	241L1100	5.0	81.0	104.5	68.7	73.9	17.3	12.4	10063.1	3904.5
28	241L1277	5.0	84.0	96.5	65.2	73.5	15.1	10.3	10007.1	4489.4
19	241L1103	5.0	83.0	108.0	67.2	73.2	18.1	16.8	10005.1	4075.8
15	241L1097	5.0	80.5	115.0	66.4	73.6	17.0	13.1	9971.3	3755.7
34	241L1310	5.0	82.0	107.0	65.8	73.7	16.6	14.1	9950.7	3884.8
42	241L1325	5.0	83.0	105.0	64.4	72.0	18.9	18.3	9904.4	4247.2
10	241L1077	5.0	82.0	96.0	68.9	74.3	19.6	19.2	9896.1	4181.8
37	241L1316	5.0	82.5	99.0	64.6	72.0	16.6	15.0	9864.5	4107.6
60	241M1128	6.0	86.5	107.5	65.1	69.8	14.0	7.3	9857.5	3959.1
7	241L1052	5.0	81.5	106.5	66.6	72.7	14.9	15.1	9829.6	3773.0
43	241L2016	5.0	82.0	102.0	65.7	73.2	17.3	15.5	9777.3	4586.8
33	241L1309	6.0	84.0	104.0	63.6	72.7	16.9	13.1	9764.5	3762.4
58	241M1102	7.0	84.5	102.0	66.9	71.9	9.0	4.5	9756.6	3513.0
53	241M1041	6.0	82.5	108.5	66.6	70.6	20.0	17.0	9750.0	4092.6
9	241L1064	5.0	79.5	103.5	68.2	74.3	19.4	20.4	9728.1	3906.9
56	241M1054	7.0	85.0	98.0	62.6	69.0	14.5	10.9	9724.9	3419.1
55	241M1053	6.0	85.0	103.5	67.8	71.3	13.7	7.3	9677.4	3506.4
57	241M1086	5.0	83.5	103.0	62.2	70.7	12.8	7.0	9651.0	3652.6
49	241L3065	5.0	81.5	103.5	64.9	72.9	14.6	9.9	9645.4	4220.9
8	241L1060	5.0	81.5	105.0	69.8	74.5	14.4	15.2	9571.7	3600.3
59	241M1119	5.0	85.0	103.0	66.1	70.8	13.8	9.0	9529.7	3522.2
18	241L1102	5.0	82.0	95.0	69.0	74.0	15.0	12.4	9511.5	4308.1
72	DG263L	6.0	84.0	109.5	62.7	70.1	16.5	13.3	9473.2	3998.5
6	241L1042	5.0	81.5	102.0	66.6	73.2	14.5	12.3	9463.2	3800.6
41	241L1324	5.0	81.5	98.5	64.7	72.7	16.8	15.1	9452.3	4168.8
39	241L1322	5.0	82.5	106.5	63.6	72.5	18.3	17.1	9405.0	3496.5
50	241L3088	5.0	83.5	105.0	65.6	71.0	14.2	13.1	9390.0	4453.4
30	241L1301	5.0	82.0	104.0	67.5	74.0	14.5	13.4	9374.5	4056.2
17	241L1101	5.0	83.5	98.0	67.5	74.0	14.3	12.0	9343.6	4183.7
68	211L1008	5.0	78.5	105.5	69.5	73.9	14.4	13.5	9335.1	3642.3

Continued.

Table 10. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
36	241L1313	5.0	83.0	107.5	63.6	72.1	21.5	18.7	9329.2	3325.2
35	241L1312	5.0	83.0	101.5	64.4	71.8	17.0	14.6	9318.6	3557.0
38	241L1319	5.0	83.5	104.0	63.9	72.2	18.4	17.4	9303.5	3940.1
71	Della2	5.0	83.5	107.0	65.3	71.0	10.7	9.5	9286.6	3879.0
29	241L1295	5.0	79.5	96.0	70.1	74.6	13.4	12.6	9270.3	3994.6
24	241L1200	5.0	80.0	109.5	67.0	73.8	14.1	10.5	9228.7	4175.9
40	241L1323	6.0	83.5	101.5	67.5	73.8	12.9	11.3	9178.1	4089.9
4	241L1033	5.0	77.0	99.5	68.1	74.1	10.6	7.4	9151.2	3552.2
63	241M1133	6.0	83.0	105.5	67.7	71.8	12.5	6.4	9098.6	3909.0
3	241L1025	5.0	82.5	96.5	63.6	72.5	20.5	15.4	9095.6	2906.7
45	241L2062	5.0	79.5	103.0	67.9	73.8	17.9	13.7	9070.5	3818.3
20	241L1108	5.0	80.5	102.5	68.5	74.5	12.5	10.1	9067.9	3687.5
25	241L1238	5.0	81.5	103.0	67.6	74.0	15.5	15.4	8994.7	3953.4
11	241L1078	5.0	84.0	104.5	67.1	72.9	15.1	15.5	8992.8	3934.0
27	241L1276	5.0	79.5	98.5	61.8	73.3	16.0	12.7	8980.4	3534.6
48	241L3064	5.0	79.5	111.5	66.4	73.0	12.2	9.1	8930.5	4387.3
70	CLL19	5.0	79.0	94.5	66.1	73.2	22.1	19.8	8867.1	3599.4
23	241L1199	5.0	81.0	106.5	67.7	74.1	14.7	11.4	8849.6	3550.6
22	241L1188	6.0	84.5	102.5	67.9	74.3	8.0	5.6	8824.2	4121.3
44	241L2035	5.0	80.5	97.0	62.7	72.6	21.7	18.3	8820.8	4501.3
47	241L3048	5.0	80.0	111.0	65.8	70.7	8.7	5.9	8796.0	5522.7
21	241L1140	7.0	81.0	111.0	67.3	72.8	11.9	10.5	8775.3	3481.1
31	241L1305	6.0	82.0	101.5	63.0	71.6	18.6	14.1	8639.4	3592.8
51	241M1007	5.0	79.5	105.0	57.3	69.9	19.0	10.2	8506.3	4016.6
69	Avant	4.0	74.0	95.0	65.9	73.3	15.3	15.4	8361.9	3883.9
2	241A1010	5.0	82.0	102.5	64.8	72.3	13.8	11.6	7925.4	3607.4
46	241L2068	5.0	81.5	112.5	65.8	72.8	17.7	15.2	7922.3	3850.2
66	241M1144	5.0	80.5	91.5	64.9	70.5	15.7	8.3	7733.2	3927.6
1	241A1009	4.0	81.0	109.5	63.5	72.2	12.9	10.9	7618.3	4044.5
65	241M1140	5.0	79.5	88.0	63.6	71.4	18.5	14.4	7381.5	3560.7

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 11. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Provisia. H. Rouse Caffey Rice Research Station – South Farm, Crowley, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
69	PVL05	5.0	84.0	102.0	58.1	70.5	14.2	11.8	11349.7	2617.9
48	243L1306	7.0	86.0	108.0	60.5	72.3	11.8	8.9	11193.2	3062.5
46	243L1302	4.0	85.0	111.5	59.3	70.5	20.0	17.9	11107.4	2946.2
4	243L1025	5.0	84.0	110.5	66.4	73.4	11.2	9.1	10919.7	3998.6
64	DG263L-PV-011-sub1	3.0	81.5	108.5	61.5	69.8	13.1	9.3	10873.1	4015.4
60	243L3068	5.0	82.0	103.5	62.6	72.1	13.2	11.2	10807.4	4172.0
34	243L1257	5.0	84.5	101.5	61.5	71.9	18.9	14.7	10776.9	2676.7
33	243L1249	5.0	83.5	122.0	61.4	72.3	20.3	14.2	10772.3	3021.5
70	23AR2205	4.0	85.5	102.5	66.3	69.5	18.9	14.3	10736.2	3275.2
45	243L1300	5.0	84.5	109.0	63.2	72.3	17.2	13.4	10697.2	3817.0
43	243L1295	5.0	87.0	109.0	67.5	73.0	12.6	8.2	10696.6	4061.2
51	243L1348	5.0	83.5	101.5	61.9	71.7	14.7	12.1	10686.9	4649.0
8	243L1073	6.0	83.5	102.0	68.0	73.5	10.4	7.7	10647.1	4060.8
40	243L1267	4.0	83.0	112.0	67.2	72.8	16.6	16.4	10634.7	4607.3
5	243L1037	5.0	85.5	111.0	60.0	71.7	20.1	14.8	10626.6	3482.5
66	Fitzgerald-PV-001-sub2	4.0	81.5	100.5	65.1	72.2	12.8	11.2	10567.8	3660.4
44	243L1299	6.0	86.0	108.0	63.8	72.5	18.6	13.9	10558.3	3021.0
28	243L1212	5.0	83.0	113.5	63.3	71.4	17.6	14.6	10555.2	3633.2
17	243L1128	6.0	86.0	101.5	67.3	72.9	11.7	7.5	10537.0	4112.2
9	243L1074	5.0	83.5	100.5	67.4	73.1	10.8	7.2	10509.0	4023.9
68	Fitzgerald-PV-006-sub2	4.0	81.5	115.0	68.6	72.5	8.8	6.7	10503.7	3931.3
49	243L1315	6.0	84.0	111.5	64.9	72.3	12.5	9.8	10497.8	3735.0
7	243L1072	7.0	80.0	100.0	67.0	73.3	13.7	8.8	10493.2	3480.9
14	243L1112	6.0	84.5	104.5	68.8	73.9	11.1	5.6	10470.3	3752.0
41	243L1270	5.0	84.0	111.5	69.4	74.0	12.9	10.7	10469.6	4987.9
2	243L1011	4.0	85.0	104.5	67.8	73.4	13.5	9.8	10453.8	3557.6
18	243L1141	5.0	85.0	107.0	67.2	73.8	17.1	16.0	10431.1	4374.5
63	191M1192-PV-002-sub1	4.0	81.0	105.0	67.4	72.0	11.8	5.1	10409.7	4423.6
56	243L2012	6.0	84.0	108.0	64.5	72.3	13.3	8.9	10377.7	3210.7
47	243L1304	5.0	86.0	110.5	63.4	71.3	20.4	18.4	10335.1	3720.8
13	243L1100	5.0	81.5	102.0	66.6	73.8	16.1	15.7	10279.3	3889.3
19	243L1148	5.0	85.0	109.5	66.6	73.0	10.9	5.9	10255.8	3997.0
71	PVL03	3.0	82.5	104.5	66.8	73.7	13.3	11.7	10252.4	4012.6
24	243L1198	6.0	86.0	104.5	65.7	73.0	10.9	7.7	10220.0	3512.3
53	243L1318	4.0	84.0	113.0	63.7	71.9	13.1	10.3	10219.6	3272.0
52	243L1349	6.0	86.0	105.5	64.4	71.9	12.3	9.5	10207.9	3841.6
62	191M1192-PV-001-sub3	5.0	82.0	105.5	67.2	71.7	9.9	5.8	10182.2	4733.2
12	243L1097	6.0	83.5	103.0	68.0	73.6	17.3	16.8	10165.6	3460.0
35	243L1258	5.0	86.0	110.5	67.1	74.4	12.6	7.7	10021.1	4210.5
1	243L1007	5.0	87.0	107.0	66.2	73.0	11.1	7.7	10011.7	2684.2

Continued.

Table 11. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
55	243L2007	5.0	83.0	109.0	63.4	71.6	14.1	9.8	9999.5	3605.5
72	PVL04	4.0	86.0	105.0	62.8	71.0	14.8	11.9	9995.9	2883.5
6	243L1069	5.0	82.5	102.5	66.9	72.2	11.4	8.8	9989.8	4143.3
39	243L1266	5.0	84.0	103.5	67.0	72.5	16.7	15.4	9932.9	5028.0
32	243L1236	6.0	82.5	107.0	67.1	73.5	11.6	7.2	9931.6	4105.4
11	243L1089	5.0	84.5	108.0	64.9	72.5	13.4	9.7	9820.5	4527.4
59	243L3067	4.0	82.0	108.5	60.4	70.5	12.5	10.6	9791.4	3806.7
30	243L1231	6.0	83.0	110.5	68.6	73.6	9.3	7.7	9778.5	4760.3
3	243L1022	6.0	86.0	106.5	66.8	73.2	17.1	14.4	9727.9	4421.9
57	243L2021	7.0	87.5	106.0	64.4	72.1	12.8	9.4	9710.0	3360.1
25	243L1202	5.0	86.0	107.5	62.6	70.4	15.4	9.4	9698.9	3304.4
37	243L1263	5.0	84.5	102.0	66.8	72.9	12.1	9.7	9506.1	4139.4
15	243L1115	4.0	88.0	106.5	66.5	73.2	13.3	9.4	9502.5	4003.8
61	243L3079	6.0	83.5	107.0	65.7	72.8	15.6	13.8	9440.4	4623.3
20	243A1180	5.0	85.5	105.0	69.4	73.5	4.2	3.2	9411.4	3859.4
10	243L1077	5.0	87.5	104.0	67.0	72.8	13.3	11.0	9408.4	3249.7
16	243L1124	6.0	85.0	101.5	70.6	74.4	7.5	4.7	9408.1	3715.5
36	243L1262	5.0	83.5	109.5	67.0	72.6	12.5	10.2	9388.8	4167.1
50	243L1322	7.0	88.0	110.5	63.9	71.4	13.6	9.9	9274.5	3271.7
58	243L2022	7.0	84.0	111.5	60.6	70.8	14.0	9.7	9272.6	3219.7
42	243L1278	6.0	83.0	107.0	65.1	73.4	12.6	7.7	9177.9	4302.4
31	243L1232	6.0	85.0	108.0	68.3	74.2	10.6	6.4	9166.8	3435.9
21	243A1184	6.0	85.0	102.0	69.3	73.3	5.7	4.8	9160.5	3554.2
22	243A1186	4.0	81.5	111.0	68.2	73.2	6.7	5.7	9127.4	3569.1
65	Jazzman-PV-002- sub2	4.0	84.5	115.0	69.5	73.4	5.1	4.3	9080.4	4842.0
67	Fitzgerald-PV-002- sub1	5.0	81.5	98.5	67.5	72.7	9.9	7.4	9055.1	3856.2
29	243L1230	7.0	80.5	93.0	69.2	73.4	8.3	6.0	8921.4	3897.1
26	243L1204	7.0	84.0	108.5	60.6	71.2	12.7	9.9	8753.3	3052.1
23	243L1197	5.0	85.5	117.0	67.2	73.9	10.0	7.2	8614.1	3983.5
54	243L1326	6.0	85.5	108.0	61.6	70.8	13.0	8.6	8514.4	3643.9
27	243L1208	6.0	84.0	106.0	63.8	71.9	12.4	7.8	8322.8	2744.3
38	243L1264	5.0	87.0	94.5	65.8	72.0	14.7	12.7	7966.1	3957.0

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 12. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Clearfield. Winnsboro, Franklin Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
38	242L1321	-	-	94.5	53.8	69.5	15.7	13.6	11537.3	-
47	242L2123	-	-	105.0	51.4	68.4	14.5	10.4	11531.4	-
39	242L1322	-	-	102.5	53.0	68.4	18.0	15.6	11274.4	-
20	242L1163	-	-	110.5	57.6	68.8	17.0	13.0	11236.5	-
18	242L1154	-	-	105.0	60.5	69.8	15.6	11.6	11193.2	-
57	242M1006	-	-	105.5	55.0	67.8	16.3	9.1	11129.5	-
30	242L1278	-	-	103.5	56.3	69.2	13.7	10.5	11094.6	-
70	CL153	-	-	99.5	60.1	69.1	14.7	13.0	11046.2	-
17	242L1151	-	-	110.0	63.6	70.5	9.8	7.8	11029.5	-
46	242L2120	-	-	97.0	51.9	67.8	14.0	10.5	11021.4	-
48	242L2125	-	-	106.0	59.3	70.3	14.3	11.5	11020.6	-
32	242L1282	-	-	103.5	60.6	70.8	18.1	15.3	11019.9	-
51	242L2149	-	-	104.0	57.8	68.3	15.1	12.2	11017.6	-
75	CLM05	-	-	97.5	60.1	66.2	17.0	12.7	10929.5	-
10	242L1096	-	-	110.5	62.4	70.6	11.1	9.1	10818.0	-
14	242L1132	-	-	104.5	65.2	71.9	10.4	7.6	10811.7	-
58	242M1008	-	-	101.5	52.2	65.9	16.2	10.1	10806.3	-
37	242L1314	-	-	98.0	49.7	68.5	18.6	15.2	10760.8	-
6	242L1040	-	-	100.0	51.0	69.3	17.2	16.0	10726.1	-
41	242L1354	-	-	100.0	58.2	68.2	14.7	9.0	10712.3	-
27	242L1265	-	-	108.0	61.7	70.2	12.9	9.2	10696.6	-
11	242L1124	-	-	105.5	63.2	70.3	11.7	9.1	10642.9	-
15	242L1141	-	-	103.5	60.0	67.8	11.0	8.2	10618.7	-
12	242L1125	-	-	103.0	63.4	70.3	10.9	8.5	10571.7	-
4	242L1010	-	-	106.5	59.8	69.0	13.0	11.6	10563.2	-
42	242L1357	-	-	115.5	61.9	70.2	12.0	8.7	10558.5	-
44	242L2116	-	-	104.0	55.0	68.9	18.6	14.8	10545.7	-
54	242L3017	-	-	107.5	57.8	69.0	12.5	10.3	10506.1	-
67	242M1135	-	-	102.0	57.1	68.1	11.7	7.0	10505.6	-
13	242L1130	-	-	103.0	60.5	70.2	14.9	10.9	10473.5	-
25	242L1228	-	-	104.0	57.1	70.1	14.0	10.7	10420.5	-
45	242L2118	-	-	101.5	57.2	70.0	13.7	8.8	10401.9	-
50	242L2146	-	-	99.0	57.2	68.9	14.9	11.5	10369.3	-
56	242L3026	-	-	111.5	62.0	70.5	15.9	11.8	10333.3	-
5	242L1038	-	-	100.5	64.8	73.5	12.0	8.9	10329.3	-
68	242M1138	-	-	96.0	60.4	68.6	13.9	9.0	10294.9	-
69	242M1141	-	-	98.0	58.9	67.5	15.3	10.4	10285.7	-
72	CLL18	-	-	107.0	56.9	67.6	17.2	14.9	10273.2	-
40	242L1347	-	-	103.0	51.3	67.2	17.3	12.6	10266.8	-
64	242M1115	-	-	103.5	59.3	66.4	15.5	10.9	10237.5	-
36	242L1307	-	-	109.5	62.6	70.8	11.6	9.0	10231.0	-
24	242L1223	-	-	103.5	67.3	73.5	10.2	8.5	10216.7	-
59	242M1017	-	-	103.0	59.1	66.4	15.8	11.1	10185.0	-
49	242L2141	-	-	107.0	61.9	69.6	13.1	9.7	10168.5	-
63	242M1108	-	-	95.0	58.0	66.1	23.3	20.3	10152.1	-

Continued.

Table 12. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
9	242L1094	-	-	115.0	63.5	71.9	11.2	7.5	10145.9	-
21	242L1194	-	-	102.0	62.8	70.9	12.4	10.3	10135.9	-
19	242L1156	-	-	97.5	61.0	70.1	18.5	13.7	10062.9	-
28	242L1272	-	-	108.0	62.0	70.2	17.9	14.1	10037.6	-
52	242L2159	-	-	98.0	53.0	69.6	13.4	9.6	10017.1	-
43	242L2006	-	-	108.5	58.6	70.1	13.7	10.8	9995.6	-
71	CLL16	-	-	108.0	58.4	68.9	13.2	10.0	9962.1	-
16	242L1149	-	-	105.5	58.4	69.0	13.7	11.8	9931.9	-
33	242L1289	-	-	102.5	57.7	69.3	13.8	10.8	9836.7	-
3	242L1004	-	-	110.0	61.7	70.5	15.1	13.0	9807.9	-
66	242M1128	-	-	98.0	63.1	69.0	9.8	5.2	9756.7	-
53	242L3012	-	-	111.5	58.9	68.1	12.7	10.9	9751.0	-
34	242L1291	-	-	115.0	63.7	71.3	9.8	6.6	9745.7	-
23	242L1222	-	-	104.0	67.9	73.7	8.6	7.2	9682.7	-
31	242L1281	-	-	96.0	53.7	68.6	9.8	8.1	9601.6	-
29	242L1274	-	-	105.0	62.6	70.4	8.6	6.3	9501.2	-
2	242L1001	-	-	102.5	64.5	70.5	13.0	8.6	9495.1	-
26	242L1239	-	-	111.5	60.9	70.1	10.3	7.1	9400.8	-
62	242M1105	-	-	92.5	61.0	68.9	14.3	10.8	9393.8	-
74	CLM04	-	-	107.5	61.9	68.3	12.5	8.9	9382.8	-
65	242M1120	-	-	100.0	61.3	68.3	10.7	5.1	9376.0	-
73	CLL19	-	-	107.0	63.8	70.9	7.7	4.3	9286.4	-
55	242L3020	-	-	109.0	63.2	71.2	13.3	11.5	9274.3	-
60	242M1019	-	-	94.5	59.7	67.5	18.4	14.6	9123.4	-
35	242L1292	-	-	101.0	55.2	69.2	11.8	9.2	9089.8	-
7	242L1063	-	-	109.0	62.2	70.3	11.5	7.7	8920.5	-
8	242L1086	-	-	103.5	60.6	70.9	15.1	9.5	8738.3	-
61	242M1097	-	-	105.5	57.3	67.1	23.2	21.0	8690.8	-
1	202L2141	-	-	105.5	62.4	71.0	10.4	8.8	8357.3	-
22	242L1210	-	-	106.5	57.8	70.9	10.3	7.2	8163.5	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 13. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Conventional. Winnsboro, Franklin Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
72	DG263L	-	-	105.0	-	-	-	-	11142.4	-
17	241L1101	-	-	112.5	-	-	-	-	11063.8	-
27	241L1276	-	-	100.5	-	-	-	-	11056.5	-
46	241L2068	-	-	108.5	-	-	-	-	11022.7	-
63	241M1133	-	-	108.5	-	-	-	-	10955.7	-
40	241L1323	-	-	105.0	-	-	-	-	10927.9	-
36	241L1313	-	-	109.0	-	-	-	-	10908.7	-
32	241L1308	-	-	110.5	-	-	-	-	10902.2	-
34	241L1310	-	-	106.0	-	-	-	-	10761.9	-
4	241L1033	-	-	101.5	-	-	-	-	10742.5	-
21	241L1140	-	-	105.5	-	-	-	-	10736.4	-
69	Avant	-	-	98.5	-	-	-	-	10619.8	-
31	241L1305	-	-	101.0	-	-	-	-	10617.8	-
43	241L2016	-	-	98.5	-	-	-	-	10525.2	-
45	241L2062	-	-	105.0	-	-	-	-	10516.0	-
7	241L1052	-	-	107.0	-	-	-	-	10506.6	-
52	241M1036	-	-	96.5	-	-	-	-	10465.5	-
39	241L1322	-	-	105.0	-	-	-	-	10459.5	-
74	Taurus	-	-	88.5	-	-	-	-	10363.7	-
70	CLL19	-	-	101.5	-	-	-	-	10339.7	-
64	241M1135	-	-	103.0	-	-	-	-	10331.4	-
14	241L1095	-	-	105.0	-	-	-	-	10320.6	-
33	241L1309	-	-	101.5	-	-	-	-	10252.3	-
42	241L1325	-	-	108.0	-	-	-	-	10211.9	-
8	241L1060	-	-	98.5	-	-	-	-	10206.1	-
16	241L1100	-	-	110.0	-	-	-	-	10174.8	-
38	241L1319	-	-	98.0	-	-	-	-	10087.4	-
3	241L1025	-	-	108.0	-	-	-	-	10086.5	-
68	211L1008	-	-	108.0	-	-	-	-	10043.8	-
37	241L1316	-	-	105.5	-	-	-	-	10017.0	-
28	241L1277	-	-	95.5	-	-	-	-	9993.8	-
15	241L1097	-	-	113.0	-	-	-	-	9982.0	-
41	241L1324	-	-	104.5	-	-	-	-	9966.5	-
35	241L1312	-	-	100.0	-	-	-	-	9912.5	-
19	241L1103	-	-	111.5	-	-	-	-	9904.1	-
25	241L1238	-	-	107.5	-	-	-	-	9902.1	-
49	241L3065	-	-	109.5	-	-	-	-	9897.1	-
58	241M1102	-	-	98.0	-	-	-	-	9796.3	-
10	241L1077	-	-	96.5	-	-	-	-	9788.2	-
62	241M1131	-	-	106.5	-	-	-	-	9779.6	-
20	241L1108	-	-	109.0	-	-	-	-	9762.8	-
12	241L1089	-	-	103.5	-	-	-	-	9697.8	-
23	241L1199	-	-	106.5	-	-	-	-	9670.1	-
44	241L2035	-	-	95.5	-	-	-	-	9659.6	-
60	241M1128	-	-	106.0	-	-	-	-	9569.3	-

Continued.

Table 13. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
13	241L1093	-	-	106.0	-	-	-	-	9567.0	-
26	241L1244	-	-	114.0	-	-	-	-	9501.5	-
6	241L1042	-	-	101.5	-	-	-	-	9480.2	-
53	241M1041	-	-	97.5	-	-	-	-	9446.1	-
50	241L3088	-	-	103.5	-	-	-	-	9445.6	-
22	241L1188	-	-	104.5	-	-	-	-	9366.1	-
67	231M1108	-	-	101.0	-	-	-	-	9327.1	-
9	241L1064	-	-	110.0	-	-	-	-	9314.1	-
61	241M1129	-	-	91.5	-	-	-	-	9266.8	-
30	241L1301	-	-	105.0	-	-	-	-	9228.3	-
5	241L1041	-	-	99.0	-	-	-	-	9228.0	-
18	241L1102	-	-	97.5	-	-	-	-	9189.0	-
29	241L1295	-	-	104.0	-	-	-	-	9124.7	-
11	241L1078	-	-	110.5	-	-	-	-	9052.7	-
47	241L3048	-	-	104.5	-	-	-	-	9038.7	-
75	Venus	-	-	98.5	-	-	-	-	8971.6	-
51	241M1007	-	-	102.5	-	-	-	-	8956.6	-
57	241M1086	-	-	98.0	-	-	-	-	8948.5	-
48	241L3064	-	-	106.0	-	-	-	-	8936.4	-
24	241L1200	-	-	111.0	-	-	-	-	8826.9	-
54	241M1047	-	-	98.0	-	-	-	-	8757.1	-
2	241A1010	-	-	104.5	-	-	-	-	8606.4	-
55	241M1053	-	-	104.5	-	-	-	-	8571.1	-
71	Della2	-	-	108.0	-	-	-	-	8484.0	-
1	241A1009	-	-	104.5	-	-	-	-	8438.0	-
73	Jupiter	-	-	92.5	-	-	-	-	8096.3	-
65	241M1140	-	-	99.5	-	-	-	-	8025.2	-
59	241M1119	-	-	104.0	-	-	-	-	7778.4	-
66	241M1144	-	-	98.0	-	-	-	-	7741.1	-
56	241M1054	-	-	99.5	-	-	-	-	7679.0	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 14. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Provisia. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
53	243L1318	-	-	110.5	62.3	71.3	14.2	11.0	10659.8	-
50	243L1322	-	-	114.5	59.1	70.1	16.6	14.2	10547.9	-
57	243L2021	-	-	112.0	59.3	71.1	15.9	13.7	10445.1	-
43	243L1295	-	-	117.0	65.1	72.4	13.4	10.9	10430.7	-
48	243L1306	-	-	112.5	59.8	71.7	12.4	11.4	10395.2	-
54	243L1326	-	-	106.5	57.0	69.3	15.7	13.9	10369.0	-
17	243L1128	-	-	104.5	66.9	72.6	11.1	8.4	10235.2	-
49	243L1315	-	-	104.5	58.4	69.8	12.6	10.6	10125.6	-
28	243L1212	-	-	119.0	58.9	69.2	18.2	14.5	10102.1	-
5	243L1037	-	-	108.5	60.0	71.7	12.4	9.8	10046.7	-
55	243L2007	-	-	109.5	58.7	69.7	12.9	10.3	9965.7	-
11	243L1089	-	-	110.0	56.8	70.5	11.1	8.9	9951.3	-
64	DG263L-PV-011- sub1	-	-	108.0	60.3	69.9	11.8	8.9	9940.9	-
70	23AR2205	-	-	102.5	62.0	68.5	21.3	17.0	9937.2	-
8	243L1073	-	-	101.5	59.3	72.1	12.0	9.4	9907.5	-
1	243L1007	-	-	111.0	64.2	72.8	12.4	9.8	9894.9	-
33	243L1249	-	-	117.0	58.6	72.0	21.7	16.3	9864.9	-
39	243L1266	-	-	114.0	65.9	72.4	16.3	15.3	9847.7	-
59	243L3067	-	-	106.0	55.1	69.5	14.8	13.4	9822.1	-
72	PVL04	-	-	102.0	63.6	72.3	13.8	11.6	9728.9	-
52	243L1349	-	-	105.5	58.3	70.9	13.0	10.3	9700.6	-
56	243L2012	-	-	105.5	56.1	70.4	16.1	12.4	9692.9	-
25	243L1202	-	-	108.0	61.1	70.5	14.5	10.9	9688.0	-
58	243L2022	-	-	112.0	53.9	69.2	18.2	16.0	9686.4	-
24	243L1198	-	-	102.0	56.9	71.3	12.5	10.5	9657.7	-
51	243L1348	-	-	109.5	52.2	68.4	14.5	13.1	9642.2	-
46	243L1302	-	-	114.0	54.2	69.9	20.0	18.8	9631.2	-
69	PVL05	-	-	99.0	52.7	68.8	15.2	12.6	9626.6	-
71	PVL03	-	-	108.0	61.9	72.2	13.5	12.7	9597.1	-
32	243L1236	-	-	109.0	61.3	72.2	11.5	7.4	9575.0	-
45	243L1300	-	-	106.0	52.2	69.1	18.6	14.9	9558.4	-
19	243L1148	-	-	112.0	64.9	72.9	14.8	10.4	9550.7	-
36	243L1262	-	-	103.0	62.8	71.7	12.9	11.7	9545.7	-
10	243L1077	-	-	103.0	63.2	72.0	14.1	12.1	9513.3	-
41	243L1270	-	-	117.0	66.1	73.1	9.0	7.6	9506.5	-
47	243L1304	-	-	116.0	62.9	71.6	18.6	16.7	9484.2	-
26	243L1204	-	-	104.5	54.1	68.6	14.1	11.8	9448.6	-
15	243L1115	-	-	100.5	63.6	73.3	14.9	13.0	9422.4	-
34	243L1257	-	-	106.5	57.2	70.5	17.1	13.4	9421.5	-
13	243L1100	-	-	104.5	64.1	72.6	14.5	13.1	9369.4	-
37	243L1263	-	-	106.5	63.3	72.3	11.9	9.8	9368.8	-
14	243L1112	-	-	106.5	61.0	72.2	11.6	8.4	9358.5	-
12	243L1097	-	-	102.5	59.2	71.1	17.0	14.9	9354.1	-
21	243A1184	-	-	102.0	63.0	72.4	13.1	11.0	9346.9	-

Continued.

Table 14. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
44	243L1299	-	-	109.5	58.9	70.8	19.7	17.4	9302.7	-
3	243L1022	-	-	108.0	62.5	72.8	12.8	11.7	9291.7	-
67	Fitzgerald-PV-002- sub1	-	-	101.5	62.2	72.1	6.4	4.2	9216.3	-
2	243L1011	-	-	107.5	65.7	72.9	12.8	9.9	9213.3	-
63	191M1192-PV-002- sub1	-	-	108.0	61.7	69.3	15.2	11.1	9208.1	-
18	243L1141	-	-	107.0	58.5	71.6	20.0	20.2	9181.5	-
7	243L1072	-	-	97.0	56.8	70.8	13.1	11.2	9178.8	-
30	243L1231	-	-	108.5	62.8	72.2	13.6	13.4	9167.2	-
35	243L1258	-	-	112.0	61.9	72.9	14.6	11.1	9118.5	-
6	243L1069	-	-	104.0	60.1	70.9	11.8	9.9	9085.0	-
60	243L3068	-	-	103.0	56.1	70.4	13.1	11.0	9052.6	-
27	243L1208	-	-	104.0	56.5	70.0	16.1	13.5	9036.7	-
4	243L1025	-	-	110.5	60.5	71.3	12.0	10.9	9033.2	-
16	243L1124	-	-	106.5	64.4	72.6	10.9	8.5	8994.7	-
65	Jazzman-PV-002- sub2	-	-	110.5	60.3	71.9	8.0	7.7	8908.1	-
29	243L1230	-	-	96.5	63.5	71.7	10.0	8.1	8894.4	-
40	243L1267	-	-	109.5	63.9	72.4	16.0	15.0	8887.1	-
68	Fitzgerald-PV-006- sub2	-	-	108.5	64.9	71.9	10.6	8.8	8774.3	-
31	243L1232	-	-	110.0	57.7	71.3	14.8	12.6	8754.2	-
62	191M1192-PV-001- sub3	-	-	109.0	53.5	69.9	13.9	11.0	8743.0	-
9	243L1074	-	-	99.5	62.6	72.6	11.3	9.3	8648.2	-
42	243L1278	-	-	105.0	60.4	71.9	10.6	8.3	8584.4	-
61	243L3079	-	-	108.5	55.5	69.9	16.1	14.8	8499.9	-
20	243A1180	-	-	104.5	64.6	73.0	4.7	4.2	8489.8	-
38	243L1264	-	-	98.0	62.5	70.9	13.2	12.2	8372.4	-
22	243A1186	-	-	103.5	61.2	71.5	9.5	8.5	8040.6	-
66	Fitzgerald-PV-001- sub2	-	-	96.5	59.4	72.2	11.5	10.6	7861.6	-
23	243L1197	-	-	110.0	58.8	71.7	11.0	9.0	7473.0	-

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 15. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Clearfield. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
64	242M1115	-	-	107.0	62.8	68.7	11.8	7.1	11713.0	2944.9
67	242M1135	-	-	112.0	66.2	71.3	9.5	5.1	11444.2	2931.8
68	242M1138	-	-	105.0	62.7	70.2	13.3	7.5	11240.1	3543.2
72	CLL18	-	-	110.5	58.2	70.0	21.4	20.8	11171.9	2882.5
66	242M1128	-	-	101.5	64.9	70.6	8.2	4.0	10982.7	2274.2
65	242M1120	-	-	111.5	65.9	70.2	7.7	3.6	10981.9	3486.1
63	242M1108	-	-	97.5	57.8	66.8	19.1	14.1	10609.6	3307.2
69	242M1141	-	-	94.5	62.2	69.3	10.3	6.1	10470.0	2918.5
44	242L2116	-	-	98.5	60.7	71.1	18.2	13.2	10452.9	4158.3
24	242L1223	-	-	104.5	68.0	74.3	13.5	13.2	10381.4	3944.7
28	242L1272	-	-	103.5	63.5	70.6	18.8	16.1	10209.5	2956.8
52	242L2159	-	-	93.5	63.6	73.2	16.0	12.9	10186.7	3287.9
27	242L1265	-	-	104.5	65.0	72.5	16.7	12.9	10183.6	3534.9
70	CL153	-	-	98.0	62.2	70.5	19.7	17.4	10173.8	3272.3
59	242M1017	-	-	101.5	66.7	71.3	12.3	7.5	10166.8	3606.8
7	242L1063	-	-	107.0	65.8	72.4	14.3	10.5	10134.9	2759.7
42	242L1357	-	-	99.5	63.4	71.0	15.2	13.1	10115.8	3507.0
75	CLM05	-	-	99.5	63.2	67.7	13.2	9.5	10107.3	3225.0
20	242L1163	-	-	108.0	56.5	68.6	19.4	17.7	10104.8	2651.1
32	242L1282	-	-	101.5	60.3	71.0	19.5	17.0	10079.0	3044.7
48	242L2125	-	-	103.5	61.1	71.1	16.8	14.2	10030.3	4191.2
56	242L3026	-	-	105.0	59.9	70.4	14.9	11.3	9878.7	2621.2
61	242M1097	-	-	102.5	59.2	68.1	19.2	17.5	9875.6	3594.7
5	242L1038	-	-	100.0	65.2	72.6	14.6	13.1	9871.9	3583.7
57	242M1006	-	-	108.0	61.0	69.5	13.1	6.5	9851.8	1908.1
71	CLL16	-	-	108.0	54.1	67.5	13.7	11.4	9837.0	3302.7
17	242L1151	-	-	96.5	60.4	70.4	14.8	13.9	9826.7	3216.9
15	242L1141	-	-	98.0	61.5	69.8	14.8	12.4	9811.2	3287.1
37	242L1314	-	-	93.5	54.7	70.2	21.1	19.4	9656.1	2913.6
47	242L2123	-	-	100.0	57.1	70.8	15.6	11.3	9612.2	3743.0
55	242L3020	-	-	108.5	64.7	72.6	17.9	18.2	9571.0	3041.2
38	242L1321	-	-	93.5	59.8	70.9	20.4	18.3	9509.8	3475.0
62	242M1105	-	-	98.0	63.3	70.6	12.7	9.1	9452.4	2516.0
45	242L2118	-	-	103.5	59.8	71.4	15.5	11.1	9379.1	3342.8
21	242L1194	-	-	104.0	62.8	71.8	16.9	16.1	9326.0	3046.9
39	242L1322	-	-	100.5	52.1	68.2	21.7	19.8	9309.0	2710.5
46	242L2120	-	-	95.5	59.8	71.9	17.4	13.1	9294.1	3473.8
25	242L1228	-	-	98.5	55.6	70.6	13.9	11.5	9261.0	3514.5
29	242L1274	-	-	104.0	65.9	72.6	10.8	9.1	9253.4	3287.4
60	242M1019	-	-	97.5	65.2	70.3	12.5	7.8	9248.8	3463.8
10	242L1096	-	-	102.0	63.2	71.2	17.2	14.3	9237.0	3592.7
54	242L3017	-	-	104.5	60.6	70.0	14.3	11.4	9220.6	2386.9
73	CLL19	-	-	102.0	61.2	71.2	12.1	9.8	9193.9	3386.6
31	242L1281	-	-	99.0	55.4	70.1	12.0	10.6	9192.5	3440.7
40	242L1347	-	-	101.0	60.4	70.9	20.5	16.9	9139.4	2714.4

Continued.

Table 15. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
53	242L3012	-	-	103.0	60.9	69.0	14.8	11.6	9106.2	3180.7
34	242L1291	-	-	107.5	64.9	71.9	13.1	10.5	8994.0	3499.9
19	242L1156	-	-	98.0	63.4	72.3	19.7	15.9	8926.2	2571.6
18	242L1154	-	-	100.5	60.5	71.4	19.9	17.0	8908.5	3541.8
49	242L2141	-	-	99.5	60.7	70.2	17.7	15.4	8882.3	3892.7
6	242L1040	-	-	96.0	51.6	70.2	18.7	18.2	8850.5	3136.9
9	242L1094	-	-	104.5	62.6	71.3	14.7	13.0	8811.4	3548.7
12	242L1125	-	-	103.0	66.9	72.6	12.4	9.9	8806.5	3539.1
16	242L1149	-	-	95.5	56.6	69.1	16.9	13.9	8785.3	3691.9
13	242L1130	-	-	98.5	63.6	71.9	22.5	20.6	8746.7	2863.2
1	202L2141	-	-	102.5	59.7	71.0	15.1	13.9	8718.2	2337.3
51	242L2149	-	-	97.5	59.2	70.1	20.7	18.3	8667.5	3003.8
33	242L1289	-	-	94.0	58.1	69.9	12.1	8.9	8661.5	3623.0
8	242L1086	-	-	103.5	61.6	71.0	19.1	16.4	8597.0	3850.9
43	242L2006	-	-	104.5	60.1	70.9	20.2	18.0	8556.1	3691.5
74	CLM04	-	-	111.0	65.4	70.7	10.3	7.2	8445.7	2498.0
30	242L1278	-	-	107.0	57.9	70.6	17.2	15.3	8414.3	3128.0
36	242L1307	-	-	94.5	61.4	70.1	14.9	14.7	8405.1	3119.1
50	242L2146	-	-	98.0	59.9	70.6	17.8	16.8	8375.5	3216.9
4	242L1010	-	-	100.5	60.8	70.6	17.1	16.3	8341.1	3182.3
14	242L1132	-	-	98.5	64.5	72.5	12.1	8.7	8325.3	3263.6
41	242L1354	-	-	92.0	62.7	70.9	20.6	17.3	8278.4	3245.2
23	242L1222	-	-	100.5	67.1	73.8	9.7	8.9	8260.1	3602.5
2	242L1001	-	-	103.5	65.7	71.8	13.7	10.8	7974.3	3054.7
3	242L1004	-	-	98.5	57.2	70.0	18.9	17.2	7719.7	2994.9
22	242L1210	-	-	95.0	55.9	70.5	15.4	13.5	7687.7	3000.1
35	242L1292	-	-	102.0	60.7	72.3	16.6	13.5	7565.7	2784.9
58	242M1008	-	-	101.0	51.3	64.8	13.7	6.4	7206.6	2457.1
11	242L1124	-	-	101.0	62.1	70.4	15.2	12.7	7186.1	3125.0
26	242L1239	-	-	102.5	60.0	70.2	12.4	9.3	7186.0	3342.8

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 16. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Conventional. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
64	241M1135	-	-	97.5	62.6	70.2	9.8	3.9	10654.1	3350.7
72	DG263L	-	-	99.0	61.3	69.8	16.5	15.8	10566.2	4219.7
73	Jupiter	-	-	98.0	64.1	69.5	15.8	11.5	10421.1	2903.2
14	241L1095	-	-	103.0	63.3	73.2	18.9	17.9	10390.1	2761.6
52	241M1036	-	-	100.0	66.0	70.9	11.8	5.6	10365.7	3800.1
74	Taurus	-	-	94.0	62.2	72.0	9.3	3.8	10223.0	3202.5
43	241L2016	-	-	100.5	62.6	72.9	19.5	19.2	10185.5	3174.2
57	241M1086	-	-	94.5	62.6	70.1	11.4	6.0	10050.7	2554.1
55	241M1053	-	-	102.5	63.7	68.4	13.5	8.4	10024.6	3268.4
63	241M1133	-	-	99.5	65.6	70.2	12.3	6.6	9891.0	2987.4
54	241M1047	-	-	106.5	64.1	69.1	12.6	8.1	9886.5	2880.3
60	241M1128	-	-	107.0	65.2	70.4	12.1	6.0	9874.1	2878.1
28	241L1277	-	-	90.0	60.7	73.5	13.4	9.6	9854.7	3354.7
75	Venus	-	-	97.5	65.2	69.3	10.5	5.3	9849.2	3818.9
62	241M1131	-	-	101.5	66.0	70.2	11.3	6.1	9844.4	3053.8
30	241L1301	-	-	101.0	65.3	74.3	18.7	17.9	9831.1	2732.0
61	241M1129	-	-	101.0	62.3	70.4	12.3	6.9	9792.7	2972.6
3	241L1025	-	-	101.0	60.8	71.4	21.9	17.8	9791.6	2446.4
33	241L1309	-	73.0	98.5	59.7	71.7	15.3	12.0	9789.1	2942.4
46	241L2068	-	-	104.0	63.3	71.5	14.1	12.1	9785.3	3873.1
11	241L1078	-	-	102.0	64.1	73.2	17.1	16.7	9770.1	2753.7
4	241L1033	-	-	93.0	63.0	73.1	12.5	11.7	9765.1	2907.5
56	241M1054	-	-	93.5	63.1	69.4	14.0	9.3	9702.2	2783.1
13	241L1093	-	73.0	95.5	67.3	73.8	14.9	12.9	9684.4	2419.6
19	241L1103	-	-	99.0	64.3	72.4	17.4	14.4	9678.7	3216.9
34	241L1310	-	-	99.5	56.6	71.2	15.7	13.5	9668.3	2361.3
18	241L1102	-	-	98.5	65.5	73.3	15.5	14.7	9638.4	3269.3
70	CLL19	-	71.0	94.5	63.0	71.0	21.9	19.3	9630.3	2886.8
6	241L1042	-	-	105.5	64.1	72.9	14.2	10.7	9583.7	2587.5
36	241L1313	-	-	97.0	59.1	71.7	20.4	18.0	9577.3	2272.2
27	241L1276	-	-	97.0	57.7	71.9	11.7	8.9	9487.3	3232.4
51	241M1007	-	-	99.5	56.1	68.9	16.5	8.3	9486.2	2013.7
31	241L1305	-	-	99.5	59.1	72.2	17.5	13.3	9459.9	3129.3
39	241L1322	-	-	102.5	58.7	71.3	16.2	15.4	9451.9	2744.3
58	241M1102	-	-	91.0	68.3	72.5	6.9	3.1	9380.7	3310.4
44	241L2035	-	-	92.5	63.7	73.5	18.5	15.2	9380.1	4032.5
21	241L1140	-	-	92.5	63.4	72.2	12.3	10.9	9285.7	2836.1
9	241L1064	-	-	104.5	62.5	73.0	18.0	17.7	9268.7	2553.5
8	241L1060	-	-	93.0	67.3	74.8	13.0	12.7	9224.4	3155.8
17	241L1101	-	-	96.5	60.1	71.2	13.5	11.4	9205.5	2511.7
20	241L1108	-	70.0	104.5	64.6	73.8	16.1	14.8	9183.5	3141.8
53	241M1041	-	-	106.0	66.4	70.5	16.0	12.6	9181.3	2693.4
38	241L1319	-	-	95.5	59.8	71.3	16.1	14.5	9109.0	2929.7
24	241L1200	-	-	100.0	64.1	73.4	13.6	12.2	9107.3	2389.4
16	241L1100	-	-	97.5	63.1	72.7	17.7	15.4	9097.1	2774.6

Continued.

Table 16. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
32	241L1308	-	-	104.5	58.6	70.8	13.8	11.1	9068.1	2832.3
10	241L1077	-	-	102.5	62.8	72.2	20.0	19.9	9021.2	3005.8
15	241L1097	-	-	103.0	64.8	73.9	16.3	12.6	8971.6	2944.6
59	241M1119	-	-	101.5	66.3	71.0	13.3	10.0	8969.3	3400.4
45	241L2062	-	-	95.5	64.9	72.7	14.5	10.7	8933.6	3267.6
35	241L1312	-	-	101.0	59.7	70.9	15.7	13.1	8915.3	2524.6
5	241L1041	-	-	96.0	62.2	71.7	11.2	7.8	8853.3	2887.6
41	241L1324	-	-	101.5	57.3	70.6	16.5	15.3	8839.9	2806.8
40	241L1323	-	-	95.5	58.9	71.5	14.0	12.8	8835.0	2833.5
67	231M1108	-	-	102.5	64.7	70.5	21.5	18.3	8814.8	2740.4
25	241L1238	-	72.0	99.5	57.0	70.7	17.9	17.9	8764.7	2825.4
37	241L1316	-	-	95.5	57.8	71.6	15.2	13.3	8742.0	2778.9
68	211L1008	-	-	91.0	65.4	73.0	15.5	15.5	8713.7	2947.7
12	241L1089	-	72.0	98.0	61.7	72.8	14.6	12.4	8685.1	2355.8
23	241L1199	-	-	89.5	60.9	73.1	12.9	11.2	8660.7	2497.5
42	241L1325	-	-	101.5	60.0	71.6	15.7	15.5	8643.7	3127.1
49	241L3065	-	-	110.5	57.5	68.9	14.7	12.1	8610.6	3311.2
7	241L1052	-	-	98.5	59.8	70.8	15.1	14.5	8603.3	2822.8
22	241L1188	-	-	104.5	63.5	72.6	9.5	8.0	8593.1	2548.1
26	241L1244	-	-	106.5	62.8	72.1	12.3	9.4	8550.5	2738.6
29	241L1295	-	-	100.5	63.1	72.6	15.0	13.6	8452.7	2847.2
48	241L3064	-	-	106.0	60.2	71.0	11.7	9.7	8288.9	2735.9
1	241A1009	-	-	101.5	60.3	70.9	13.9	13.1	8173.5	2601.1
2	241A1010	-	-	99.0	55.8	67.8	14.6	13.1	8173.2	2704.9
66	241M1144	-	-	96.0	64.6	68.7	17.7	10.3	8007.5	2248.2
50	241L3088	-	-	107.0	60.1	69.1	17.0	15.9	7866.2	3135.8
69	Avant	-	-	90.0	64.6	72.6	14.4	14.3	7691.6	2363.0
71	Della2	-	-	101.5	61.1	70.5	9.6	8.3	7493.2	2727.0
65	241M1140	-	-	92.0	60.9	70.6	20.2	15.6	7473.4	2165.1
47	241L3048	-	-	109.5	64.0	70.4	11.3	8.5	7461.0	4330.3

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 17. Grain and milling yields and agronomic performance of entries in the 2025 Regional Yield Test – Provisia. Lake Arthur, Vermilion Parish, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
69	PVL05	-	-	103.5	56.1	70.8	14.9	12.5	10668.0	3034.4
68	Fitzgerald-PV-006- sub2	-	-	112.5	64.6	71.2	9.5	7.7	10466.2	3038.4
64	DG263L-PV-011- sub1	-	-	110.5	62.0	68.9	10.4	8.5	10382.1	3252.5
70	23AR2205	-	-	104.5	64.3	69.0	15.8	12.1	10379.9	3201.0
19	243L1148	-	-	107.5	66.5	73.5	14.1	10.4	10359.9	3110.8
36	243L1262	-	-	104.5	63.0	71.2	13.5	11.5	10298.6	3289.1
52	243L1349	-	-	107.0	60.4	70.9	14.3	11.7	9945.7	2735.6
39	243L1266	-	-	107.0	63.7	71.6	18.2	15.2	9912.7	2875.6
45	243L1300	-	-	114.0	59.6	70.9	18.9	15.3	9879.3	3036.6
72	PVL04	-	-	108.5	60.2	70.7	17.1	15.1	9866.7	3225.8
60	243L3068	-	-	106.0	58.0	71.7	15.7	14.0	9859.0	2970.3
11	243L1089	-	-	112.5	59.5	70.9	13.6	9.9	9854.0	3340.9
31	243L1232	-	-	108.5	63.3	72.7	12.7	9.0	9842.4	2513.1
58	243L2022	-	-	115.0	57.1	70.2	16.0	14.4	9836.7	2723.0
34	243L1257	-	-	103.5	59.5	71.3	18.9	15.1	9818.5	3056.7
43	243L1295	-	-	111.0	63.0	71.7	14.1	11.8	9782.3	3236.7
53	243L1318	-	-	112.0	60.7	71.2	12.7	9.7	9747.8	2445.4
54	243L1326	-	-	112.0	58.4	69.8	15.3	12.2	9688.0	2902.2
18	243L1141	-	-	112.0	61.4	73.1	21.4	21.7	9609.4	3306.7
47	243L1304	-	-	114.0	60.8	70.8	21.5	19.8	9585.5	2867.8
42	243L1278	-	-	111.5	60.8	72.9	13.2	9.5	9551.6	3044.6
57	243L2021	-	-	107.5	60.3	70.4	15.2	12.7	9506.1	3065.9
33	243L1249	-	-	112.0	56.2	71.1	19.7	13.5	9498.9	2516.5
30	243L1231	-	-	114.0	67.2	73.5	12.1	11.7	9493.4	3499.4
46	243L1302	-	-	111.5	55.0	69.7	21.1	18.5	9488.1	2695.0
6	243L1069	-	-	104.0	63.3	71.7	10.0	7.3	9464.5	3036.0
9	243L1074	-	-	106.5	61.8	71.2	11.4	8.1	9457.0	2665.4
27	243L1208	-	-	102.0	58.5	71.5	12.0	10.0	9447.0	2323.0
25	243L1202	-	-	99.5	55.9	69.6	17.2	13.5	9442.4	2678.1
26	243L1204	-	-	106.0	56.5	70.6	13.2	11.5	9429.5	2839.0
37	243L1263	-	-	105.0	63.6	72.0	13.3	11.0	9423.4	3613.4
16	243L1124	-	-	105.5	65.1	73.0	11.8	8.9	9411.6	2840.5
13	243L1100	-	-	105.5	60.1	71.8	17.4	16.1	9407.7	2732.3
71	PVL03	-	-	105.0	60.8	72.0	16.0	13.9	9377.0	3208.1
50	243L1322	-	-	107.0	58.5	69.3	17.1	13.2	9351.9	2425.0
2	243L1011	-	-	105.0	62.1	71.4	14.6	11.2	9341.8	2759.1
14	243L1112	-	-	101.0	65.2	72.4	9.7	6.1	9318.9	3022.4
55	243L2007	-	-	104.5	58.9	69.5	11.1	8.3	9306.3	3047.5
8	243L1073	-	-	103.5	65.0	73.4	13.1	10.3	9300.9	2846.3
28	243L1212	-	-	116.0	59.8	70.3	20.4	18.4	9281.5	2780.5
66	Fitzgerald-PV-001- sub2	-	-	92.5	64.7	71.9	10.3	8.5	9253.5	3005.4
7	243L1072	-	-	104.5	61.8	71.7	13.4	9.6	9240.0	2434.1
3	243L1022	-	-	108.5	64.4	72.8	16.9	15.7	9229.5	3260.5

Continued.

Table 17. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
40	243L1267	-	-	102.5	64.5	72.2	14.0	12.6	9205.4	3155.4
10	243L1077	-	-	105.5	63.9	72.0	14.4	13.1	9197.4	2441.7
15	243L1115	-	-	99.0	63.1	72.4	15.6	12.2	9194.8	3344.4
1	243L1007	-	-	104.5	62.1	71.6	10.7	7.9	9182.8	2787.6
12	243L1097	-	-	103.0	61.2	71.4	17.7	17.0	9181.5	2175.2
49	243L1315	-	-	108.5	60.4	71.4	13.8	11.0	9167.9	2950.2
51	243L1348	-	-	109.5	55.2	69.3	14.2	12.4	9135.5	2750.4
35	243L1258	-	-	106.0	61.0	73.2	13.0	10.1	9131.5	3338.7
5	243L1037	-	-	105.5	57.3	70.8	17.8	12.7	9101.8	2829.5
4	243L1025	-	-	114.0	59.5	70.5	14.9	12.4	9061.3	2840.2
29	243L1230	-	-	99.0	66.7	72.1	7.7	6.2	9025.7	2625.7
32	243L1236	-	-	110.0	62.2	71.3	12.5	7.0	9020.9	3234.1
62	191M1192-PV-001- sub3	-	-	115.5	66.0	71.2	8.2	5.4	8966.9	3557.2
44	243L1299	-	-	111.0	60.0	71.2	18.7	14.8	8872.0	2371.2
48	243L1306	-	-	108.0	52.8	68.9	14.3	12.5	8848.4	2867.3
17	243L1128	-	-	103.5	63.3	71.5	9.4	6.1	8801.6	3209.7
67	Fitzgerald-PV-002- sub1	-	-	106.0	67.0	73.3	6.4	5.1	8781.9	2453.4
38	243L1264	-	-	96.0	64.9	72.1	13.8	13.0	8781.3	2724.5
24	243L1198	-	-	103.5	62.3	72.6	11.3	8.7	8735.3	2612.3
56	243L2012	-	-	111.5	59.1	70.2	14.7	11.3	8678.3	2700.5
63	191M1192-PV-002- sub1	-	-	107.0	65.8	70.6	11.2	7.1	8536.7	2996.7
65	Jazzman-PV-002- sub2	-	-	113.5	64.3	72.4	5.8	5.3	8525.5	3037.5
20	243A1180	-	-	101.5	64.3	72.6	5.4	4.4	8490.7	2553.3
61	243L3079	-	-	105.5	61.0	71.6	15.6	14.1	8395.5	2799.0
41	243L1270	-	-	112.5	62.6	72.2	10.9	8.6	7931.3	3170.3
21	243A1184	-	-	97.0	63.7	71.8	5.6	4.4	7907.0	2582.4
22	243A1186	-	-	104.5	63.3	72.5	8.7	7.6	7221.5	2751.9
59	243L3067	-	-	109.0	52.3	69.7	13.5	11.8	6685.0	2403.9
23	243L1197	-	-	114.5	59.5	72.5	12.4	10.7	6518.0	2784.4

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor. Not taken at this location.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Conventional Preliminary Yield Trials

Conventional Preliminary Yield (CNPY) trials consist primarily of promising breeding nursery material that is ready to be tested in replicated yield trials. The material in these trials was screened for agronomic and grain characteristics in nurseries prior to this phase of testing. Promising experimental lines were evaluated for seedling vigor, maturity, plant height, lodging resistance, grain yield of main and ratoon crops, and disease resistance.

Trials were conducted using standard agronomic practices (except that fungicides were not applied) at the H. Rouse Caffey Rice Research Station (HRCRRS), Rayne, LA. A complete randomized design with one replication was applied to arrange test entries. The plot size at planting was 4.66 x 16.5 ft. Seeding rate was 75 lb/A. Planting and harvesting dates are shown in Table 1 across all locations. Entries are listed in Table 2. Data is presented for the long-grain tests in Tables 3 and 4 and medium-grain tests in Tables 5 and 6 in order of descending yield (lb/A).

Table 1. Planting and harvesting dates for the 2025 Conventional Preliminary Yield trials.

Location	Trial	Planting	Harvesting
HRCRRS	CNPYL	3/3	7/23
	CNPYL – Late Planting	4/4	8/3
	CNPYM	3/3	7/29
	CNPYM – Late Planting	4/4	8/7

Table 2. Entry number, pedigree, grain type, and source information for entries in the 2025 Conventional Preliminary Yield trials.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	1	251L1001	RU2002122/RU1702140	LG HI	LAES
CN	2	251L1002	RU2002122/RU1702140	LG HI	LAES
CN	3	251L1003	RU2002122/RU1702140	LG HI	LAES
CN	4	251L1004	RU2002122/RU1702140	LG HI	LAES
CN	5	251L1005	RU2002122/RU1702140	LG HI	LAES
CN	6	251L1006	201L1114/191L1033	LG HI	LAES
CN	7	251L1007	201L1114/191L1033	LG HI	LAES
CN	8	251L1008	201L1114/191L1033	LG HI	LAES
CN	9	251L1009	201L1114/191L1033	LG HI	LAES
CN	10	251L1010	201L1114/191L1033	LG HI	LAES
CN	11	251L1011	Avant/191L1033	LG HI	LAES
CN	12	251L1012	Avant/191L1033	LG HI	LAES
CN	13	251L1013	RU1902207/201L1114	LG HI	LAES
CN	14	251L1014	RU2002182/191L2009	LG	LAES
CN	15	251L1015	Frontiere/RU1902207	LG	LAES
CN	16	251L1016	Frontiere/RU1902207	LG	LAES
CN	17	251L1017	Frontiere/RU1902207	LG	LAES
CN	18	251L1018	Frontiere/RU1902207	LG	LAES
CN	19	251L1019	Frontiere/RU1902207	LG	LAES
CN	20	251L1020	RU2002150/191L2066	LG	LAES
CN	21	251L1021	RU2002150/191L2066	LG	LAES
CN	22	251L1022	RU2002150/191L2066	LG	LAES
CN	23	251L1023	RU2002150/191L2066	LG	LAES
CN	24	251L1024	RU2002182/Avant	LG	LAES
CN	25	251L1025	RU2002182/Avant	LG	LAES
CN	26	251L1026	201L1159/191L2066	LG	LAES
CN	27	251L1027	201L1159/191L2066	LG	LAES
CN	28	251L1028	RU1902207/Ozark	LG	LAES
CN	29	251L1029	RU2002182/CL153	LG	LAES
CN	30	251L1030	RU2002182/CLL15	LG	LAES
CN	31	251L1031	191L2066/192L1072	LG	LAES
CN	32	251L1032	191L2066/192L1072	LG	LAES
CN	33	251L1033	191L1123/191L2066	LG	LAES
CN	34	251L1034	191L1123/191L2066	LG	LAES
CL	35	251L1035	MP6_419/MP6_167	LG	LAES
CL	36	251L1036	MP6_419/MP6_167	LG	LAES
CL	37	251L1037	MP6_419/MP6_167	LG	LAES
Seg	38	251L1038	MPA_071/MPA_279	LG	LAES
Seg	39	251L1039	MPA_071/MPA_279	LG	LAES
Seg	40	251L1040	MPA_071/MPA_279	LG	LAES
Seg	41	251L1041	MPA_071/MPA_279	LG	LAES
Seg	42	251L1042	MPA_071/MPA_279	LG	LAES
Seg	43	251L1043	MP8_112/MPA_071	LG	LAES
Seg	44	251L1044	MP8_112/MPA_071	LG	LAES
Seg	45	251L1045	MP8_112/MPA_071	LG	LAES
Seg	46	251L1046	MP6_415/MP8_112	LG	LAES
Seg	47	251L1047	MP6_415/MP8_112	LG	LAES
CN	48	251L1048	MP8_362/MP8_153	LG	LAES
CN	49	251L1049	MP8_362/MP8_153	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CN	50	251L1050	MP8_362/MP8_153	LG	LAES
CN	51	251L1051	MP8_362/MP8_153	LG	LAES
CN	52	251L1052	MP8_362/MP8_153	LG	LAES
CN	53	251L1053	MP8_362/MP8_153	LG	LAES
CN	54	251L1054	MP8_362/MP8_153	LG	LAES
CN	55	251L1055	MP8_362/MP8_153	LG	LAES
CN	56	251L1056	MP8_362/MP8_153	LG	LAES
CN	57	251L1057	MP8_362/MP8_153	LG	LAES
CN	58	251L1058	MP8_362/MP8_153	LG	LAES
CN	59	251L1059	MP8_362/MP8_153	LG	LAES
Seg	60	251L1060	MP8_112/MP8_124	LG	LAES
Seg	61	251L1061	MP8_014/MP6_204	LG	LAES
Seg	62	251L1062	MP8_014/MP6_204	LG	LAES
Seg	63	251L1063	MP8_014/MP6_204	LG	LAES
Seg	64	251L1064	MP8_014/MP6_204	LG	LAES
Seg	65	251L1065	MP8_014/MP6_204	LG	LAES
Seg	66	251L1066	MP8_014/MP6_204	LG	LAES
Seg	67	251L1067	MP8_124/MP8_089	LG	LAES
Seg	68	251L1068	MP8_124/MP8_089	LG	LAES
Seg	69	251L1069	MP8_124/MP8_089	LG	LAES
Seg	70	251L1070	MP8_124/MP8_089	LG	LAES
Seg	71	251L1071	MP8_124/MP8_089	LG	LAES
Seg	72	251L1072	MP8_124/MP8_089	LG	LAES
Seg	73	251L1073	MP8_124/MP8_089	LG	LAES
Seg	74	251L1074	MP8_124/MP8_089	LG	LAES
Seg	75	251L1075	MPB_246/MP8_124	LG	LAES
Seg	76	251L1076	MPB_246/MP8_124	LG	LAES
Seg	77	251L1077	MPB_246/MP8_124	LG	LAES
Seg	78	251L1078	MPB_246/MP8_124	LG	LAES
Seg	79	251L1079	MPB_246/MP8_124	LG	LAES
Seg	80	251L1080	MPB_246/MP8_124	LG	LAES
CN	81	251L1081	MP6_419/MP8_124	LG	LAES
CN	82	251L1082	MP6_419/MP8_124	LG	LAES
CN	83	251L1083	MP6_419/MP8_124	LG	LAES
CN	84	251L1084	MP6_419/MP8_124	LG	LAES
CN	85	251L1085	MP6_419/MP8_124	LG	LAES
CN	86	251L1086	MP6_419/MP8_124	LG	LAES
CN	87	251L1087	MP6_419/MP8_124	LG	LAES
CN	88	251L1088	MP6_419/MP8_124	LG	LAES
CN	89	251L1089	MP6_419/MP8_124	LG	LAES
CN	90	251L1090	MP6_419/MP8_124	LG	LAES
CN	91	251L1091	MP6_419/MP8_124	LG	LAES
Seg	92	251L1092	MPA_071/MP6_077	LG	LAES
Seg	93	251L1093	MPA_071/MP6_077	LG	LAES
Seg	94	251L1094	MPA_071/MP6_077	LG	LAES
Seg	95	251L1095	MP6_145/MP6_310	LG	LAES
Seg	96	251L1096	MP6_145/MP6_310	LG	LAES
Seg	97	251L1097	MP4_AB_277/MPB_033	LG	LAES
CN	98	251L1098	MP4_AB_277/MPB_033	LG	LAES
Seg	99	251L1099	MP8_246/MP8_001	LG	LAES
CN	100	251L1100	MP8_246/MP8_001	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
Seg	101	251L1101	MP8_246/MP8_001	LG	LAES
Seg	102	251L1102	MPB_033/MP8_021	LG	LAES
Seg	103	251L1103	MPB_033/MP8_021	LG	LAES
Seg	104	251L1104	MPB_079/MP8_113	LG	LAES
Seg	105	251L1105	MPB_079/MP8_113	LG	LAES
Seg	106	251L1106	MPB_079/MP8_113	LG	LAES
Seg	107	251L1107	MPB_079/MP8_113	LG	LAES
Seg	108	251L1108	MPB_079/MP8_113	LG	LAES
Seg	109	251L1109	MPB_079/MP8_113	LG	LAES
Seg	110	251L1110	MPB_079/MP8_113	LG	LAES
Seg	111	251L1111	MPB_079/MP8_113	LG	LAES
Seg	112	251L1112	MP6_415/MP8_369	LG	LAES
Seg	113	251L1113	MP6_415/MP8_369	LG	LAES
CN	114	251L1114	MP6_415/MP6_169	LG	LAES
CN	115	251L1115	MP6_415/MP6_169	LG	LAES
CN	116	251L1116	MP6_415/MP6_169	LG	LAES
CN	117	251L1117	MP6_415/MP6_169	LG	LAES
CN	118	251L1118	MP6_415/MP6_169	LG	LAES
CN	119	251L1119	MP6_415/MP6_169	LG	LAES
CN	120	251L1120	MP8_362/MP8_124	LG	LAES
CN	121	251L1121	MP8_362/MP8_124	LG	LAES
CN	122	251L1122	MP8_362/MP8_124	LG	LAES
CN	123	251L1123	MP8_362/MP8_124	LG	LAES
CN	124	251L1124	MP8_362/MP8_124	LG	LAES
CN	125	251L1125	MP8_362/MP8_124	LG	LAES
CN	126	251L1126	MP8_362/MP8_124	LG	LAES
CN	127	251L1127	MP8_362/MP8_124	LG	LAES
CN	128	251L1128	MP8_362/MP8_124	LG	LAES
CN	129	251L1129	MP8_362/MP8_124	LG	LAES
CN	130	251L1130	MP8_362/MP8_124	LG	LAES
CN	131	251L1131	MP8_362/MP8_124	LG	LAES
CN	132	251L1132	MP8_001/MP6_244	LG	LAES
CN	133	251L1133	MP8_001/MP6_244	LG	LAES
CN	134	251L1134	MP8_001/MP6_244	LG	LAES
CN	135	251L1135	MP8_001/MP6_244	LG	LAES
CN	136	251L1136	MP8_001/MP6_244	LG	LAES
CN	137	251L1137	MP8_001/MP6_244	LG	LAES
CN	138	251L1138	MP8_001/MP6_244	LG	LAES
CN	139	251L1139	MP8_001/MP6_244	LG	LAES
CN	140	251L1140	MP8_001/MP6_244	LG	LAES
CN	141	251L1141	MP6_415/MP8_014	LG	LAES
CN	142	251L1142	MP6_415/MP8_014	LG	LAES
CN	143	251L1143	MP6_415/MP8_014	LG	LAES
CN	144	251L1144	MP6_415/MP8_014	LG	LAES
CN	145	251L1145	MP6_415/MP8_014	LG	LAES
CN	146	251L1146	MP6_415/MP8_014	LG	LAES
CN	147	251L1147	MP6_415/MP8_014	LG	LAES
CN	148	251L1148	MP6_415/MP8_014	LG	LAES
CN	149	251L1149	RU1601010/RU2102217	LG	LAES
CN	150	251L1150	RU1601010/CLL18	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type†	Source‡
CN	151	251L1151	RU1601010/CLL18	LG	LAES
CN	152	251L1152	RU1601010/CLL16	LG	LAES
CN	153	251L1153	RU1601010/CLL16	LG	LAES
CN	154	251L1154	RU1601010/CLL16	LG	LAES
CN	155	251L1155	RU2102217/Avant	LG	LAES
CN	156	251L1156	RU2102217/Avant	LG	LAES
CN	157	251L1157	201L1051/RU2102217	LG	LAES
Seg	158	251L1158	201L1051/RU2102217	LG	LAES
Seg	159	251L1159	201L1051/RU2102217	LG	LAES
CN	160	251L1160	Frontiere/RU2102222	LG	LAES
CN	161	251L1161	202L1534/Avant	LG	LAES
CN	162	251L1162	202L1534/Avant	LG	LAES
CN	163	251L1163	RU2102030/201L1288	LG HI	LAES
CN	164	251L1164	RU2102030/201L1288	LG HI	LAES
CN	165	251L1165	RU2102030/201L1288	LG HI	LAES
CN	166	251L1166	RU2102030/201L1251	LG HI	LAES
CN	167	251L1167	RU2102030/201L1251	LG HI	LAES
CN	168	251L1168	201L1324/202L2141	LG HI	LAES
CN	169	251L1169	201L1324/Avant	LG	LAES
CN	170	251L1170	201L1324/Avant	LG	LAES
CN	171	251L1171	201L1324/Avant	LG	LAES
CN	172	251L1172	201L1324/Avant	LG	LAES
CN	173	251L1173	201L1324/Avant	LG	LAES
CN	174	251L1174	201L1324/Avant	LG	LAES
CN	175	251L1175	201L1324/Avant	LG	LAES
CN	176	251L1176	201L1324/Avant	LG	LAES
CN	177	251L1177	RU1601010/201L1288	LG	LAES
CN	178	251L1178	RU1601010/201L1288	LG	LAES
CN	179	251L1179	RU1601010/201L1288	LG	LAES
CN	180	251L1180	RU1601010/201L1288	LG	LAES
CN	181	251L1181	RU1601010/201L1288	LG	LAES
CN	182	251L1182	RU1601010/201L1288	LG	LAES
CN	183	251L1183	RU1601010/201L1288	LG	LAES
CN	184	251L1184	RU1902207/Ozark	LG	LAES
CN	185	251L1185	RU1902207/Ozark	LG	LAES
CN	186	251L1186	RU1902207/Ozark	LG	LAES
CN	187	251L1187	RU1902207/Ozark	LG	LAES
CN	188	251L1188	RU1902207/Ozark	LG	LAES
CN	189	251L1189	201L1288/Avant	LG	LAES
CN	190	251L1190	201L1288/Avant	LG	LAES
CN	191	251L1191	Frontiere/RU1601010	LG	LAES
CN	192	251L1192	RU1902207/201L1251	LG	LAES
CN	193	251L1193	RU1902207/201L1251	LG	LAES
CN	194	251L1194	RU1902207/201L1251	LG	LAES
CN	195	251L1195	RU1902207/201L1251	LG	LAES
CN	196	251L1196	RU1902207/201L1251	LG	LAES
CN	197	251L1197	RU1902207/201L1251	LG	LAES
CN	198	251L1198	RU1902207/201L1251	LG	LAES
CN	199	251L1199	RU1902207/201L1251	LG	LAES
CN	200	251L1200	RU1902207/201L1251	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type†	Source‡
CN	201	251L1201	RU1902207/201L1251	LG	LAES
CN	202	251L1202	201L1251/201L1148	LG	LAES
CN	203	251L1203	201L1251/201L1148	LG	LAES
CN	204	251L1204	201L1251/201L1148	LG	LAES
CN	205	251L1205	201L1251/201L1148	LG	LAES
CN	206	251L1206	201L1251/201L1148	LG	LAES
CN	207	251L1207	201L1251/201L1148	LG	LAES
CN	208	251L1208	201L1324/201L1251	LG	LAES
CN	209	251L1209	201L1324/201L1251	LG	LAES
CN	210	251L1210	201L1324/201L1251	LG	LAES
CN	211	251L1211	201L1324/201L1251	LG	LAES
CN	212	251L1212	201L1324/201L1251	LG	LAES
CN	213	251L1213	201L1324/201L1251	LG	LAES
CN	214	251L1214	201L1324/201L1251	LG	LAES
CN	215	251L1215	201L1324/201L1251	LG	LAES
CN	216	251L1216	RU2102158/201L1288	LG HI	LAES
CN	217	251L1217	RU2102158/201L1288	LG HI	LAES
CN	218	251L1218	RU2102158/201L1288	LG HI	LAES
CN	219	251L1219	RU2102158/201L1288	LG HI	LAES
CN	220	251L1220	RU2102158/201L1288	LG HI	LAES
CN	221	251L1221	RU2102158/201L1288	LG	LAES
CN	222	251L1222	RU2102158/201L1288	LG HI	LAES
CN	223	251L1223	RU2102158/201L1288	LG HI	LAES
CN	224	251L1224	RU2102158/RU2102122	LG HI	LAES
CN	225	251L1225	RU2102158/RU2102122	LG HI	LAES
CN	226	251L1226	RU2102158/RU2102122	LG	LAES
CN	227	251L1227	RU2102158/RU2102122	LG HI	LAES
CN	228	251L1228	RU2102158/RU2102122	LG HI	LAES
CN	229	251L1229	RU2102158/RU2102122	LG HI	LAES
CN	230	251L1230	RU2102158/RU2102122	LG HI	LAES
CN	231	251L1231	RU2102158/RU2102122	LG HI	LAES
CN	232	251L1232	RU2102158/201L1251	LG HI	LAES
CN	233	251L1233	RU2102158/201L1251	LG HI	LAES
CN	234	251L1234	RU2102158/201L1251	LG HI	LAES
CN	235	251L1235	RU2102158/201L1251	LG	LAES
CN	236	251L1236	RU2102158/201L1251	LG	LAES
CN	237	251L1237	RU2102158/201L1251	LG HI	LAES
CN	238	251L1238	RU2102158/201L1251	LG HI	LAES
CN	239	251L1239	RU2102158/201L1251	LG	LAES
CN	240	251L1240	RU2102158/201L1251	LG	LAES
CN	241	Avant	Trenasse//Cocodrie/Jefferson/3/ Ahrent/Cocodrie//Cocodrie/LaGrue	LG	LAES
CN	242	Cheniere	Newbonnet/Katy/3/L202/Lemont//L202	LG HI	LAES
CN	243	DG263L		LG HI	NAS
CL	244	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES
PV	245	PVL03	PVL01/Catahoula	LG	LAES
CN	1	251M1001	201M1065/201M1064	MG	LAES
CN	2	251M1002	RU2102066/201M1065	MG	LAES
CN	3	251M1003	RU2102066/Taurus	MG	LAES
CN	4	251M1004	Taurus/Venus	MG	LAES
CN	5	251M1005	Taurus/Venus	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CN	6	251M1006	Taurus/Venus	MG	LAES
CN	7	251M1007	191M1192/RU1902227	MG	LAES
CN	8	251M1008	191M1192/RU1902227	MG	LAES
CN	9	251M1009	Titan/191M1192	MG	LAES
CN	10	251M1010	Taurus/Venus	MG	LAES
CN	11	251M1011	Taurus/Venus	MG	LAES
CN	12	251M1012	Taurus/Venus	MG	LAES
CN	13	251M1013	Taurus/Venus	MG	LAES
CN	14	251M1014	Taurus/Venus	MG	LAES
CN	15	251M1015	Taurus/Venus	MG	LAES
CN	16	251M1016	Taurus/Venus	MG	LAES
CN	17	251M1017	Taurus/Venus	MG	LAES
CN	18	251M1018	Taurus/Venus	MG	LAES
CN	19	251M1019	RU2102066/Taurus	MG	LAES
CN	20	251M1020	RU2102066/Taurus	MG	LAES
CN	21	251M1021	RU2102066/Taurus	MG	LAES
CN	22	251M1022	RU2102066/Taurus	MG	LAES
CN	23	251M1023	RU2102066/Taurus	MG	LAES
CN	24	251M1024	RU2102066/Taurus	MG	LAES
CN	25	251M1025	RU2102066/Taurus	MG	LAES
CN	26	251M1026	RU1802174/19-71535	MG	LAES
CN	27	251M1027	181M1740/19-71535	MG	LAES
CN	28	251M1028	RU1801211/19-71535	MG	LAES
CN	29	251M1029	RU1801211/19-71535	MG	LAES
CN	30	251M1030	19-71535/Jupiter	MG	LAES
CN	31	251M1031	19-71469/RU2002090	MG	LAES
CN	32	251M1032	RU2002094/RU1801211	MG	LAES
CN	33	251M1033	RU1801211/Jupiter	MG	LAES
CN	34	251M1034	RU2002094/Taurus	MG	LAES
CN	35	251M1035	Lynx/RU2002090	MG	LAES
CN	36	251M1036	181M1740/Lynx	MG	LAES
Seg	37	251M1037	RU1902174/M402	MG	LAES
CN	38	251M1038	19-71469/RU1802174	MG	LAES
CN	39	251M1039	19-71469/RU1802174	MG	LAES
CN	40	251M1040	19-71469/RU1802174	MG	LAES
CN	41	251M1041	19-71469/RU1902227	MG	LAES
CN	42	251M1042	RU1801211/19-71469	MG	LAES
CN	43	251M1043	19-71535/RU2002094	MG	LAES
CN	44	251M1044	19-71535/RU2002094	MG	LAES
CN	45	251M1045	19-71535/RU2002094	MG	LAES
CN	46	251M1046	Jupiter/M206	MG	LAES
Seg	47	251M1047	BBC30-1/Taurus	MG	LAES
CN	48	251M1048	BBC30-1/RU2102066	MG	LAES
CN	49	251M1049	BBC50-1/191M1192	MG	LAES
CN	50	251M1050	RU2002094/Lynx	MG	LAES
CN	51	251M1051	Lynx/Titan	MG	LAES
CN	52	251M1052	RU1902227/RU2002094	MG	LAES
CN	53	251M1053	RU1902227/RU2002094	MG	LAES
CN	54	251M1054	RU2002090/RU2002094	MG	LAES
CN	55	251M1055	Jupiter/Taurus	MG	LAES
CN	56	251M1056	Titan/CLM04	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	57	251M1057	Titan/CLM04	MG	LAES
CN	58	251M1058	RU2002090/RU1902227	MG	LAES
CN	59	251M1059	Titan/RU2002094	MG	LAES
CN	60	251M1060	RU2002094/Jupiter	MG	LAES
CN	61	251M1061	RU2002094/Jupiter	MG	LAES
CN	62	251M1062	RU2002094/Jupiter	MG	LAES
CN	63	251M1063	RU1902227/RU1801211	MG	LAES
CN	64	251M1064	RU1902227/RU1801211	MG	LAES
CN	65	251M1065	RU1802174/RU2002090	MG	LAES
CN	66	251M1066	RU1802174/RU2002090	MG	LAES
CN	67	251M1067	Titan/RU2002090	MG	LAES
CN	68	251M1068	RU2002094/181M1740	MG	LAES
CN	69	251M1069	RU2002094/181M1740	MG	LAES
CN	70	251M1070	181M1740/RU1902227	MG	LAES
CN	71	251M1071	BBC50-1/Venus	MG	LAES
CN	72	251M1072	Jupiter/Venus	MG	LAES
CN	73	251M1073	Jupiter/Venus	MG	LAES
CN	74	251M1074	202M1133/BBC41-2	MG	LAES
CN	75	251M1075	BBC18-2/Taurus	MG	LAES
CN	76	251M1076	181M1740/RU1801211	MG	LAES
CN	77	251M1077	181M1740/RU1801211	MG	LAES
CN	78	251M1078	181M1740/RU1801211	MG	LAES
CN	79	251M1079	181M1740/RU1801211	MG	LAES
CN	80	251M1080	181M1740/Titan	MG	LAES
CN	81	251M1081	RU2102066/Taurus	MG	LAES
CN	82	251M1082	RU2102066/Taurus	MG	LAES
CN	83	251M1083	RU2102066/201M1065	MG	LAES
CN	84	251M1084	RU2102066/201M1065	MG	LAES
CN	85	251M1085	RU2102066/201M1065	MG	LAES
CN	86	251M1086	RU2102066/201M1065	MG	LAES
CN	87	251M1087	RU2102066/201M1065	MG	LAES
CN	88	251M1088	RU2102066/201M1065	MG	LAES
CN	89	251M1089	RU2102066/201M1065	MG	LAES
CN	90	251M1090	201M1065/Titan	MG	LAES
CN	91	251M1091	201M1065/Titan	MG	LAES
CN	92	251M1092	202M1133/201M1065	MG	LAES
CN	93	251M1093	202M1133/201M1065	MG	LAES
CN	94	251M1094	202M1133/201M1065	MG	LAES
Seg	95	251M1095	202M1133/201M1065	MG	LAES
CN	96	251M1096	Venus/201M1065	MG	LAES
CN	97	251M1097	Venus/201M1065	MG	LAES
CN	98	251M1098	Venus/201M1065	MG	LAES
CN	99	251M1099	Venus/201M1065	MG	LAES
CN	100	251M1100	Venus/201M1065	MG	LAES
CN	101	251M1101	Venus/201M1065	MG	LAES
CN	102	251M1102	201M1065/201M1064	MG	LAES
CN	103	251M1103	201M1065/201M1064	MG	LAES
CN	104	251M1104	201M1065/201M1064	MG	LAES
CN	105	251M1105	201M1065/201M1064	MG	LAES
CN	106	251M1106	201M1065/201M1064	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	107	251M1107	201M1065/201M1064	MG	LAES
CN	108	251M1108	201M1065/201M1064	MG	LAES
CN	109	251M1109	Taurus/Titan	MG	LAES
CN	110	251M1110	Taurus/Titan	MG	LAES
CN	111	251M1111	Taurus/Titan	MG	LAES
CN	112	251M1112	Taurus/Titan	MG	LAES
CN	113	251M1113	Taurus/Titan	MG	LAES
CN	114	251M1114	Taurus/Titan	MG	LAES
CN	115	251M1115	Taurus/Titan	MG	LAES
CN	116	251M1116	Taurus/Titan	MG	LAES
CN	117	251M1117	201M1122/Venus	MG	LAES
CN	118	251M1118	201M1122/Venus	MG	LAES
CN	119	251M1119	201M1122/Venus	MG	LAES
CN	120	251M1120	201M1122/Venus	MG	LAES
CN	121	251M1121	201M1122/Venus	MG	LAES
CN	122	251M1122	201M1122/Venus	MG	LAES
CN	123	251M1123	201M1122/Venus	MG	LAES
CN	124	251M1124	201M1122/Venus	MG	LAES
CN	125	251M1125	201M1122/Venus	MG	LAES
CN	126	251M1126	201M1122/Venus	MG	LAES
CN	127	251M1127	Venus/RU2102066	MG	LAES
CN	128	251M1128	Venus/RU2102066	MG	LAES
CN	129	251M1129	Venus/RU2102066	MG	LAES
CN	130	251M1130	Venus/RU2102066	MG	LAES
CN	131	251M1131	Venus/RU2102066	MG	LAES
CN	132	251M1132	Venus/RU2102066	MG	LAES
CN	133	251M1133	Venus/RU2102066	MG	LAES
CN	134	251M1134	Venus/RU2102066	MG	LAES
CN	135	251M1135	Venus/RU2102066	MG	LAES
CN	136	251M1136	Venus/RU2102066	MG	LAES
CN	137	251M1137	Jupiter/Venus	MG	LAES
CN	138	251M1138	Jupiter/Venus	MG	LAES
CN	139	251M1139	Jupiter/Venus	MG	LAES
CN	140	251M1140	Jupiter/Venus	MG	LAES
CN	141	251M1141	Jupiter/Venus	MG	LAES
CN	142	251M1142	Jupiter/Venus	MG	LAES
CN	143	251M1143	Jupiter/RU2102066	MG	LAES
CN	144	251M1144	Jupiter/RU2102066	MG	LAES
CN	145	251M1145	Jupiter/RU2102066	MG	LAES
CN	146	251M1146	Jupiter/RU2102066	MG	LAES
CN	147	251M1147	Jupiter/RU2102066	MG	LAES
CN	148	251M1148	Jupiter/RU2102066	MG	LAES
CN	149	Taurus	Rico1/Bengal//RU0602162/RU0502031	MG	AAES
CN	150	Venus	Titan/Jupiter	MG	LAES

* Herbicide Type – Clearfield (CL), Conventional (CN), Provisia (PV), Segregating (Seg).

† LG = Long grain, LG HI = Long-grain high-amylose Dixiebelle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

‡ LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain and milling yields and agronomic performance of entries in the 2025 Conventional Preliminary Yield Long-Grain trial. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
151	251L1151	3.0	79.0	113.0	57.8	71.2	26.8	24.9	12615.4	3493.1
149	251L1149	3.0	76.0	106.0	52.8	69.8	18.4	17.1	12357.1	4025.2
239	251L1239	3.0	82.0	108.0	60.6	71.1	20.0	16.6	12309.0	3449.1
243	DG263L	1.0	80.0	101.0	57.5	68.6	16.3	12.0	12208.8	4331.7
150	251L1150	1.0	84.0	108.0	62.3	71.0	19.9	17.9	12176.2	4092.7
178	251L1178	3.0	81.0	117.0	62.1	72.5	19.6	14.7	12171.7	3231.4
220	251L1220	3.0	78.0	100.0	62.0	72.4	17.4	10.5	12110.9	3213.1
167	251L1167	1.0	80.0	102.0	64.3	71.6	20.2	15.1	12099.6	4163.2
235	251L1235	3.0	78.0	103.0	60.4	72.2	23.7	20.6	11957.2	4254.8
2	251L1002	3.0	81.0	102.0	66.4	73.0	14.2	13.8	11947.5	3213.6
183	251L1183	3.0	79.0	111.0	63.1	72.5	21.6	19.4	11879.8	3083.1
221	251L1221	1.0	78.0	105.0	56.2	72.2	21.4	17.1	11864.5	3919.0
208	251L1208	3.0	86.0	104.0	67.0	72.6	14.4	11.4	11712.2	3646.6
204	251L1204	3.0	83.0	98.0	64.4	72.9	22.8	17.3	11697.0	3846.0
153	251L1153	3.0	81.0	111.0	56.2	70.8	15.2	11.7	11684.7	3029.9
152	251L1152	3.0	80.0	107.0	53.3	69.9	19.3	17.3	11683.9	3428.2
181	251L1181	1.0	77.0	114.0	56.4	71.0	19.7	16.8	11671.3	4106.1
212	251L1212	3.0	81.0	98.0	63.6	73.5	16.5	13.0	11663.3	2872.9
157	251L1157	3.0	82.0	99.0	51.3	68.1	25.4	20.5	11552.2	3184.4
158	251L1158	3.0	80.0	100.0	58.8	71.7	17.8	15.5	11539.1	4085.3
138	251L1138	1.0	80.0	103.0	64.0	71.9	16.3	12.7	11516.1	3847.0
179	251L1179	3.0	80.0	110.0	55.0	71.9	22.5	18.5	11479.8	3891.3
145	251L1145	3.0	81.0	89.0	58.8	70.2	27.8	25.4	11473.7	3842.9
161	251L1161	3.0	78.0	107.0	64.2	71.8	20.1	18.0	11463.9	4633.0
240	251L1240	1.0	78.0	112.0	58.7	70.8	21.5	20.0	11369.7	4360.5
238	251L1238	3.0	80.0	100.0	65.1	72.3	18.7	17.2	11324.8	3855.1
201	251L1201	1.0	79.0	99.0	64.9	73.3	15.5	14.5	11305.0	4465.8
226	251L1226	3.0	82.0	105.0	64.9	72.4	20.9	18.4	11260.3	3081.4
177	251L1177	3.0	79.0	110.0	60.3	71.6	18.9	16.4	11257.9	3615.9
192	251L1192	1.0	81.0	105.0	63.5	73.3	14.8	12.7	11220.2	4074.4
224	251L1224	1.0	78.0	104.0	66.7	72.9	16.6	11.2	11194.2	3880.4
86	251L1086	3.0	78.0	99.0	61.1	70.7	21.7	18.3	11186.1	4501.7
195	251L1195	3.0	82.0	102.0	66.9	73.5	19.8	19.4	11183.2	3630.4
232	251L1232	3.0	79.0	100.0	57.5	70.2	22.6	20.4	11168.1	4054.8
196	251L1196	3.0	78.0	93.0	62.5	72.6	18.6	18.0	11158.3	4585.0
137	251L1137	1.0	79.0	101.0	64.4	71.8	19.9	16.0	11158.1	3727.7
209	251L1209	1.0	82.0	101.0	62.8	71.3	20.5	17.2	11155.1	4384.5
202	251L1202	3.0	85.0	105.0	63.9	72.7	19.2	16.3	11153.1	2231.2
67	251L1067	1.0	78.0	93.0	58.6	72.1	22.6	19.8	11107.6	5194.4
133	251L1133	3.0	80.0	101.0	58.7	71.2	17.6	14.6	11103.0	3332.3
13	251L1013	1.0	76.0	101.0	67.7	74.3	13.5	10.7	11058.6	3721.0
229	251L1229	3.0	82.0	104.0	62.6	72.5	21.5	17.6	11051.4	3995.2
173	251L1173	3.0	78.0	98.0	66.7	73.7	16.2	14.8	11044.2	4418.2
236	251L1236	1.0	77.0	102.0	55.5	70.4	19.2	15.3	11037.3	3550.6
100	251L1100	3.0	79.0	102.0	64.1	72.0	20.8	16.8	11019.0	4114.8
43	251L1043	3.0	82.0	100.0	64.1	73.0	19.4	17.1	10986.1	4056.3
234	251L1234	3.0	76.0	105.0	57.4	71.0	18.2	15.0	10981.1	3918.1
242	Cheniere	3.0	84.0	94.0	71.0	76.2	9.7	8.2	10979.5	4053.2
98	251L1098	3.0	82.0	120.0	62.0	72.0	16.8	11.8	10966.5	3357.2

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
97	251L1097	3.0	81.0	95.0	64.5	73.5	20.4	16.0	10965.0	4470.7
25	251L1025	3.0	77.0	100.0	68.2	73.7	19.1	18.2	10953.9	4546.4
228	251L1228	3.0	78.0	100.0	59.8	71.6	16.9	11.2	10914.6	3442.1
5	251L1005	3.0	78.0	99.0	67.0	72.6	12.4	10.5	10870.6	3606.1
245	PVL03	1.0	80.0	101.0	61.6	71.4	17.2	14.9	10851.7	3728.3
194	251L1194	3.0	80.0	101.0	62.3	71.6	20.2	18.2	10848.4	4061.1
87	251L1087	3.0	77.0	104.0	64.3	72.0	17.2	15.5	10817.5	3672.9
65	251L1065	1.0	79.0	98.0	64.2	72.4	19.9	17.2	10803.7	3844.0
175	251L1175	5.0	80.0	104.0	64.6	71.6	19.0	16.3	10796.0	3177.9
197	251L1197	1.0	81.0	96.0	63.3	72.5	22.8	22.3	10794.1	3003.5
174	251L1174	3.0	79.0	93.0	66.7	73.3	17.2	15.4	10793.8	4040.7
187	251L1187	3.0	80.0	94.0	68.0	73.5	19.1	17.9	10792.2	4111.7
230	251L1230	3.0	80.0	104.0	62.2	72.0	19.9	16.6	10778.9	4672.6
244	CLL19	3.0	82.0	101.0	63.0	71.4	23.9	19.3	10772.9	3546.9
90	251L1090	3.0	80.0	103.0	57.9	71.2	18.9	12.9	10769.8	4926.0
110	251L1110	3.0	85.0	102.0	69.2	74.7	14.9	8.7	10764.6	4301.3
140	251L1140	3.0	77.0	90.0	64.9	71.6	17.1	14.9	10762.1	3493.1
225	251L1225	3.0	81.0	97.0	58.1	70.7	29.2	28.1	10749.1	2849.3
200	251L1200	3.0	79.0	102.0	62.3	72.1	15.9	12.3	10747.9	4015.7
217	251L1217	3.0	79.0	98.0	56.8	71.0	16.3	11.5	10743.0	3625.8
214	251L1214	1.0	82.0	101.0	59.8	70.3	18.3	14.3	10738.6	4033.1
154	251L1154	5.0	82.0	110.0	53.1	69.5	18.6	17.4	10736.0	2900.1
156	251L1156	3.0	79.0	102.0	55.0	70.2	24.6	25.1	10728.6	3749.6
171	251L1171	3.0	77.0	91.0	69.3	74.5	15.5	14.6	10722.6	3919.0
99	251L1099	3.0	79.0	99.0	56.4	70.2	21.5	19.9	10716.9	3008.3
78	251L1078	3.0	81.0	105.0	56.0	70.7	22.4	21.4	10703.8	3358.0
7	251L1007	3.0	79.0	109.0	63.8	72.6	15.7	11.1	10695.3	4478.7
170	251L1170	3.0	82.0	98.0	67.3	73.5	17.2	16.8	10688.6	3175.8
16	251L1016	3.0	81.0	102.0	67.4	73.2	15.5	13.8	10653.8	4240.6
199	251L1199	3.0	86.0	100.0	64.1	73.1	17.4	16.4	10647.5	2801.2
143	251L1143	3.0	77.0	95.0	59.5	71.9	19.0	17.6	10628.4	4074.4
176	251L1176	3.0	79.0	95.0	67.3	74.3	18.8	16.1	10628.0	4569.3
45	251L1045	1.0	76.0	101.0	69.9	74.1	11.4	8.8	10623.8	3925.7
223	251L1223	3.0	78.0	100.0	61.5	71.7	21.5	13.7	10607.8	4408.7
85	251L1085	3.0	78.0	100.0	60.1	71.8	19.4	12.8	10601.9	3836.3
210	251L1210	1.0	80.0	91.0	62.6	71.8	20.3	16.3	10599.0	4325.3
169	251L1169	3.0	80.0	99.0	63.8	73.4	17.3	14.6	10595.3	4742.2
20	251L1020	1.0	78.0	108.0	63.4	72.9	18.1	14.7	10592.0	4123.8
136	251L1136	3.0	77.0	102.0	61.4	72.0	19.4	17.3	10592.0	3420.6
117	251L1117	3.0	82.0	91.0	66.0	72.1	20.2	18.4	10590.4	3143.1
28	251L1028	3.0	80.0	105.0	65.1	72.9	20.2	19.5	10573.1	4600.2
41	251L1041	3.0	80.0	101.0	54.9	69.7	24.1	21.7	10572.8	3397.9
105	251L1105	3.0	81.0	93.0	64.9	73.2	17.7	10.7	10560.7	4560.5
193	251L1193	3.0	82.0	96.0	63.7	72.8	19.7	18.4	10550.4	4082.8
57	251L1057	3.0	77.0	96.0	67.2	74.5	16.9	10.9	10537.4	4236.9
88	251L1088	3.0	79.0	102.0	59.1	71.7	20.2	15.6	10531.2	4812.1
165	251L1165	1.0	82.0	113.0	66.7	73.3	19.2	14.4	10531.2	4312.1
66	251L1066	1.0	79.0	94.0	64.3	71.7	22.8	21.4	10526.1	3272.4
246	Mermentau	3.0	84.0	102.0	68.1	73.6	18.0	17.4	10525.2	4100.2
71	251L1071	3.0	81.0	96.0	63.3	72.0	25.8	22.6	10519.6	3742.0
47	251L1047	3.0	77.0	98.0	67.1	73.4	19.2	16.7	10518.1	4012.1

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
3	251L1003	3.0	81.0	98.0	61.2	70.4	17.4	15.7	10503.2	3097.7
40	251L1040	1.0	78.0	102.0	56.6	71.5	23.9	23.4	10499.2	4151.7
213	251L1213	3.0	80.0	95.0	62.3	71.6	22.2	20.1	10498.6	3044.7
74	251L1074	3.0	78.0	97.0	61.7	72.1	24.6	22.3	10474.6	4398.1
18	251L1018	3.0	79.0	114.0	63.3	72.1	19.7	15.6	10466.2	3810.3
132	251L1132	3.0	78.0	97.0	61.4	70.4	14.7	10.1	10457.7	3946.6
184	251L1184	3.0	79.0	98.0	64.3	72.2	17.6	14.2	10450.4	3923.0
116	251L1116	3.0	85.0	98.0	66.1	72.8	16.9	11.2	10440.5	4004.3
60	251L1060	1.0	78.0	99.0	62.7	72.5	26.5	27.0	10440.1	3198.1
8	251L1008	3.0	79.0	109.0	62.1	71.6	15.1	11.3	10440.0	3819.3
163	251L1163	1.0	77.0	106.0	65.7	72.8	18.8	15.0	10438.1	3875.2
205	251L1205	1.0	80.0	100.0	56.4	68.9	22.6	19.0	10424.4	4501.7
164	251L1164	3.0	83.0	100.0	62.2	71.3	22.1	15.0	10417.2	3138.2
112	251L1112	3.0	81.0	99.0	64.4	72.8	14.8	12.1	10405.8	4168.0
186	251L1186	3.0	79.0	92.0	63.9	72.3	19.9	17.7	10405.1	3583.0
134	251L1134	1.0	80.0	104.0	62.3	71.2	16.7	12.6	10356.6	3686.5
21	251L1021	1.0	84.0	97.0	65.4	73.1	20.1	16.1	10354.2	3447.6
22	251L1022	3.0	84.0	104.0	63.4	72.9	19.6	17.0	10346.9	3416.6
69	251L1069	3.0	79.0	93.0	65.4	72.8	20.2	15.4	10321.1	5208.3
4	251L1004	5.0	80.0	100.0	60.4	70.8	17.9	15.8	10305.5	3125.5
207	251L1207	3.0	80.0	97.0	66.6	73.2	16.8	12.3	10282.5	4275.5
180	251L1180	1.0	79.0	107.0	53.6	71.0	20.7	17.7	10271.0	3720.6
159	251L1159	3.0	78.0	99.0	50.5	69.2	22.7	20.3	10268.9	3340.4
61	251L1061	3.0	78.0	100.0	59.5	70.9	18.7	14.6	10268.5	3819.9
31	251L1031	3.0	84.0	98.0	62.9	71.6	15.0	9.7	10262.1	4329.6
148	251L1148	3.0	80.0	88.0	60.8	71.2	17.6	13.9	10242.0	3332.4
36	251L1036	3.0	80.0	105.0	61.9	71.2	21.1	15.2	10230.1	5187.9
206	251L1206	1.0	81.0	95.0	55.0	70.1	22.1	18.5	10215.7	4294.7
189	251L1189	3.0	79.0	98.0	68.4	74.3	18.2	17.5	10209.3	4248.3
147	251L1147	3.0	78.0	92.0	60.6	71.5	19.8	15.9	10209.1	3850.3
63	251L1063	1.0	78.0	97.0	64.9	72.7	24.5	21.7	10195.2	4376.5
44	251L1044	1.0	78.0	99.0	62.6	72.1	15.9	13.8	10193.6	4294.2
190	251L1190	3.0	79.0	96.0	64.2	72.4	20.0	17.9	10173.3	4333.2
64	251L1064	3.0	79.0	98.0	67.2	72.6	19.5	10.9	10172.4	4348.5
23	251L1023	3.0	83.0	100.0	61.7	72.8	18.8	16.3	10167.0	3134.4
12	251L1012	3.0	78.0	107.0	64.7	72.1	17.5	17.3	10156.8	3168.0
218	251L1218	3.0	85.0	101.0	63.7	72.0	19.2	12.7	10151.6	2891.5
73	251L1073	3.0	79.0	85.0	59.4	71.5	21.2	19.5	10146.3	4322.4
215	251L1215	3.0	78.0	101.0	58.7	71.4	25.5	23.7	10116.5	3600.0
46	251L1046	3.0	79.0	105.0	65.4	72.2	22.8	22.0	10110.9	3268.5
42	251L1042	3.0	79.0	97.0	59.3	71.0	25.0	23.3	10097.8	3228.0
216	251L1216	1.0	77.0	96.0	62.7	72.9	17.9	13.3	10094.4	4193.7
211	251L1211	3.0	81.0	104.0	65.9	73.2	17.0	15.5	10080.5	4461.1
141	251L1141	1.0	82.0	98.0	57.4	69.2	22.3	19.7	10057.1	3529.9
10	251L1010	1.0	81.0	102.0	63.5	72.6	14.1	7.9	10040.8	3942.5
96	251L1096	3.0	82.0	94.0	55.4	71.4	25.1	25.0	10028.6	3654.6
231	251L1231	1.0	79.0	101.0	62.1	71.3	18.0	14.4	10023.6	4155.2
68	251L1068	3.0	78.0	87.0	64.1	73.4	23.7	21.1	10003.6	4149.6
155	251L1155	3.0	78.0	95.0	55.1	70.7	21.7	18.9	10003.2	3571.3
38	251L1038	3.0	78.0	95.0	62.4	71.9	14.2	10.4	9992.7	4238.1
14	251L1014	1.0	79.0	95.0	63.5	72.5	18.0	15.3	9967.7	5047.3

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
233	251L1233	3.0	83.0	100.0	63.3	71.6	22.9	16.4	9962.8	3907.9
76	251L1076	3.0	80.0	96.0	58.2	71.5	19.1	16.4	9960.4	3685.9
160	251L1160	3.0	79.0	102.0	69.2	73.8	13.6	10.2	9958.1	3972.7
72	251L1072	3.0	82.0	96.0	61.1	70.8	30.3	26.9	9951.0	3395.5
95	251L1095	3.0	79.0	99.0	58.7	70.5	14.7	9.5	9948.4	4212.6
128	251L1128	3.0	83.0	102.0	66.0	73.5	14.8	12.4	9929.8	4607.5
54	251L1054	1.0	76.0	98.0	63.6	72.7	17.1	13.2	9929.7	4466.5
94	251L1094	3.0	80.0	93.0	66.2	73.8	16.9	15.7	9918.9	3757.1
106	251L1106	3.0	79.0	102.0	68.6	74.2	11.1	6.9	9917.3	4111.7
75	251L1075	3.0	80.0	97.0	62.6	72.3	18.2	15.6	9910.8	4260.2
103	251L1103	3.0	84.0	100.0	56.6	69.3	18.3	15.2	9907.3	3555.3
114	251L1114	3.0	82.0	92.0	61.3	71.0	22.0	16.5	9904.0	3871.5
11	251L1011	3.0	80.0	100.0	63.3	72.3	18.3	17.8	9894.5	3194.4
1	251L1001	3.0	80.0	96.0	65.6	71.4	14.0	9.7	9884.6	3815.9
70	251L1070	3.0	81.0	92.0	61.6	72.5	19.4	16.7	9872.6	4230.9
198	251L1198	3.0	80.0	96.0	63.8	72.2	16.4	13.9	9872.0	3665.5
37	251L1037	1.0	79.0	100.0	63.9	71.6	15.5	12.7	9869.9	3871.1
109	251L1109	3.0	82.0	93.0	63.0	72.0	11.0	8.3	9858.2	3641.1
82	251L1082	3.0	81.0	93.0	62.8	72.5	22.9	17.4	9845.4	4548.6
89	251L1089	3.0	75.0	106.0	63.6	71.6	17.2	12.4	9842.2	4329.5
168	251L1168	3.0	86.0	105.0	64.9	71.6	13.9	12.7	9840.6	2962.9
107	251L1107	3.0	84.0	101.0	67.2	73.9	9.2	5.2	9826.2	3678.8
182	251L1182	1.0	78.0	113.0	45.4	68.3	20.8	19.2	9823.3	3930.4
29	251L1029	1.0	84.0	100.0	67.3	73.0	16.3	14.6	9818.8	4379.8
129	251L1129	3.0	79.0	97.0	62.7	73.0	14.6	10.1	9818.6	4058.7
188	251L1188	3.0	84.0	99.0	62.8	71.9	19.9	18.2	9812.7	3129.8
121	251L1121	3.0	83.0	94.0	60.6	71.9	17.4	14.7	9808.2	3738.9
144	251L1144	3.0	79.0	87.0	62.5	71.1	16.8	11.0	9801.1	3450.1
104	251L1104	3.0	84.0	85.0	68.6	74.1	12.3	7.9	9797.5	3982.4
162	251L1162	5.0	84.0	100.0	68.7	73.8	19.9	18.2	9795.2	2590.1
139	251L1139	3.0	77.0	105.0	64.2	71.4	15.5	12.7	9778.5	4025.5
77	251L1077	3.0	81.0	98.0	65.3	72.6	18.8	15.4	9777.0	4412.1
146	251L1146	1.0	75.0	92.0	61.2	71.0	19.0	16.3	9767.3	4355.9
124	251L1124	5.0	83.0	102.0	64.5	72.6	11.6	9.6	9756.5	4543.0
101	251L1101	3.0	83.0	93.0	64.8	71.9	20.8	17.9	9751.0	3165.3
6	251L1006	1.0	76.0	97.0	60.2	71.1	16.2	14.5	9749.3	4358.0
62	251L1062	3.0	80.0	105.0	61.3	70.3	22.3	16.8	9723.6	3936.0
102	251L1102	1.0	78.0	93.0	53.4	69.7	19.8	15.3	9713.6	4381.9
222	251L1222	3.0	82.0	107.0	54.6	69.8	21.2	15.6	9704.8	3559.3
142	251L1142	3.0	77.0	92.0	61.0	71.2	17.7	12.2	9700.3	4060.5
81	251L1081	3.0	79.0	108.0	57.4	70.7	15.4	10.5	9680.7	4141.1
115	251L1115	1.0	82.0	96.0	63.2	71.4	17.8	13.8	9679.7	4230.2
172	251L1172	3.0	79.0	103.0	64.0	72.1	18.1	17.7	9677.9	3208.6
118	251L1118	3.0	80.0	100.0	61.5	71.7	18.6	14.6	9660.2	3518.9
9	251L1009	3.0	80.0	106.0	67.0	73.7	11.6	8.6	9644.0	3029.3
32	251L1032	3.0	89.0	100.0	67.5	73.0	14.3	8.3	9641.3	3470.7
55	251L1055	3.0	80.0	93.0	67.8	74.1	17.8	12.0	9632.2	4423.5
34	251L1034	3.0	88.0	101.0	62.6	70.7	15.3	11.2	9593.9	3421.0
80	251L1080	3.0	79.0	96.0	58.4	70.6	22.3	18.7	9588.3	4403.1
120	251L1120	3.0	80.0	94.0	63.1	71.4	12.6	10.1	9584.6	4645.5
185	251L1185	3.0	82.0	103.0	62.5	71.9	19.5	17.3	9582.6	3016.7

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
227	251L1227	1.0	77.0	90.0	63.9	72.5	18.6	13.3	9554.3	3871.9
219	251L1219	3.0	77.0	95.0	51.3	69.2	23.8	19.5	9530.7	3087.4
15	251L1015	3.0	85.0	96.0	68.2	73.0	13.9	10.3	9526.4	3539.8
111	251L1111	3.0	78.0	91.0	64.9	72.6	17.5	13.0	9514.2	4097.4
17	251L1017	1.0	79.0	111.0	65.3	72.5	19.9	16.7	9508.5	3395.5
108	251L1108	3.0	85.0	95.0	70.7	75.2	14.2	10.3	9508.3	4651.5
126	251L1126	5.0	81.0	102.0	64.5	73.3	12.7	10.0	9503.5	4246.9
135	251L1135	1.0	79.0	92.0	58.5	70.8	20.4	18.5	9490.9	4214.7
166	251L1166	3.0	84.0	93.0	64.9	72.1	14.8	10.7	9450.3	3504.9
19	251L1019	1.0	85.0	98.0	68.7	73.7	15.9	10.7	9448.0	3358.7
203	251L1203	1.0	83.0	99.0	56.1	70.5	13.5	10.4	9441.7	3931.9
127	251L1127	5.0	84.0	95.0	65.4	72.8	10.9	5.4	9438.2	4276.0
130	251L1130	3.0	80.0	92.0	66.3	73.5	12.7	11.0	9412.2	4111.7
53	251L1053	3.0	81.0	101.0	61.3	72.5	17.3	14.3	9403.1	3614.1
83	251L1083	3.0	81.0	103.0	54.4	69.1	26.4	25.7	9388.8	3787.2
125	251L1125	3.0	81.0	95.0	61.2	71.9	11.9	8.6	9387.8	3765.4
123	251L1123	3.0	82.0	93.0	58.2	71.3	11.4	8.8	9339.1	4061.9
241	Avant	3.0	76.0	96.0	66.4	72.5	17.0	16.0	9318.0	3978.8
91	251L1091	3.0	78.0	98.0	64.9	73.3	19.3	15.6	9310.4	4316.4
58	251L1058	3.0	84.0	87.0	64.6	72.6	13.8	10.9	9280.3	4146.6
113	251L1113	3.0	79.0	94.0	50.9	70.3	20.6	18.4	9262.6	4317.6
33	251L1033	3.0	90.0	95.0	66.2	72.2	12.1	7.2	9251.9	2717.4
237	251L1237	3.0	78.0	96.0	65.9	72.9	16.7	13.6	9242.0	3383.2
191	251L1191	1.0	80.0	115.0	66.4	74.0	10.8	8.3	9238.8	4098.1
84	251L1084	3.0	77.0	103.0	64.1	72.3	21.5	17.2	9187.7	4312.7
35	251L1035	1.0	80.0	89.0	62.9	71.7	20.2	18.4	9175.2	3728.1
30	251L1030	3.0	78.0	98.0	67.1	73.3	19.0	18.1	9129.8	4019.7
48	251L1048	3.0	84.0	93.0	63.4	72.9	17.3	12.6	9112.1	4321.6
79	251L1079	3.0	80.0	90.0	55.4	70.6	25.1	21.4	8977.7	4606.8
51	251L1051	3.0	82.0	93.0	65.1	72.9	9.8	5.9	8975.7	4345.5
27	251L1027	3.0	84.0	82.0	60.9	71.4	15.7	11.9	8938.8	3638.0
93	251L1093	3.0	79.0	97.0	54.3	70.3	24.9	22.6	8932.3	3872.4
50	251L1050	3.0	82.0	96.0	50.3	70.8	10.3	5.5	8878.0	3495.0
119	251L1119	3.0	81.0	87.0	62.8	71.2	19.3	14.0	8803.3	3967.2
52	251L1052	3.0	81.0	97.0	65.0	72.9	8.9	5.9	8790.9	3559.6
131	251L1131	3.0	84.0	95.0	68.1	74.2	13.0	7.6	8757.6	4070.0
49	251L1049	5.0	84.0	96.0	64.9	72.6	8.6	6.3	8730.1	3705.8
26	251L1026	3.0	86.0	95.0	67.5	72.4	11.8	6.8	8608.4	3471.2
59	251L1059	5.0	82.0	99.0	-	-	-	-	8530.2	3447.6
24	251L1024	3.0	79.0	94.0	68.1	73.0	20.0	19.2	8523.7	4309.6
56	251L1056	3.0	84.0	99.0	55.4	71.3	12.8	10.2	8411.0	3864.7
39	251L1039	5.0	77.0	97.0	54.2	69.7	28.6	26.2	8260.8	3775.4
122	251L1122	3.0	79.0	87.0	62.4	72.2	15.1	11.2	8176.8	4095.5
92	251L1092	3.0	81.0	104.0	65.5	73.3	15.4	12.3	7571.3	2759.6

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 4. Grain and milling yields and agronomic performance of entries in the 2025 Conventional Preliminary Yield Long-Grain trial – Late Planting. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
150	251L1150	3.0	73.0	102.0	63.3	71.4	23.8	23.3	10524.2	4660.9
170	251L1170	3.0	69.0	99.0	66.1	74.0	18.0	17.0	9269.3	4440.7
204	251L1204	1.0	71.0	97.0	56.2	72.3	19.5	14.8	9088.5	5442.9
2	251L1002	5.0	76.0	102.0	66.4	73.0	14.0	13.2	8984.4	4079.7
234	251L1234	3.0	72.0	105.0	54.0	70.7	17.6	13.4	8950.2	2368.0
117	251L1117	3.0	72.0	90.0	59.5	70.6	19.6	16.4	8888.6	4137.5
156	251L1156	3.0	70.0	99.0	46.0	69.3	24.8	24.1	8581.5	4995.6
135	251L1135	3.0	69.0	102.0	52.4	70.4	14.3	11.4	8497.3	4689.0
50	251L1050	3.0	71.0	104.0	59.2	71.4	12.5	9.3	8338.0	4567.1
95	251L1095	3.0	72.0	95.0	56.8	70.3	15.5	10.6	8334.5	4571.1
192	251L1192	3.0	70.0	92.0	52.1	70.7	14.5	14.2	8325.8	4887.8
212	251L1212	3.0	70.0	103.0	46.4	70.2	17.9	16.0	8323.3	5087.5
243	DG263L	1.0	71.0	93.0	52.6	70.0	16.6	12.7	8282.1	2645.9
178	251L1178	1.0	73.0	117.0	59.9	71.7	19.0	15.5	8273.8	5180.4
239	251L1239	3.0	74.0	100.0	54.2	69.6	23.3	19.8	8265.7	4379.4
181	251L1181	3.0	70.0	107.0	49.5	70.7	19.7	16.2	8258.4	3957.2
203	251L1203	3.0	72.0	92.0	48.8	70.5	11.8	10.0	8236.5	4982.2
194	251L1194	3.0	72.0	100.0	60.7	72.3	18.3	17.2	8211.7	2358.4
79	251L1079	3.0	70.0	101.0	54.0	70.1	18.4	15.0	8182.9	3118.8
152	251L1152	3.0	70.0	110.0	40.8	67.5	15.6	13.9	8180.0	4549.5
21	251L1021	3.0	72.0	99.0	60.6	72.4	17.0	12.3	8127.4	5044.3
74	251L1074	3.0	71.0	88.0	54.4	70.5	18.7	15.5	8121.1	5243.8
138	251L1138	3.0	72.0	96.0	56.6	70.0	9.4	6.3	8105.0	4900.0
115	251L1115	3.0	75.0	96.0	60.9	71.2	18.3	14.7	8102.7	4126.0
167	251L1167	3.0	72.0	96.0	55.8	70.2	16.5	10.8	8101.7	4840.7
169	251L1169	3.0	70.0	95.0	63.2	72.8	17.9	17.0	8001.1	4086.2
200	251L1200	5.0	69.0	98.0	52.4	71.8	17.2	15.7	7999.9	4718.2
16	251L1016	3.0	74.0	100.0	63.1	72.1	15.6	14.9	7971.7	4616.6
242	Cheniere	1.0	70.0	95.0	69.0	75.5	9.9	8.3	7881.7	4774.4
215	251L1215	1.0	69.0	95.0	45.4	69.9	22.6	21.4	7847.2	2645.8
93	251L1093	1.0	70.0	94.0	48.8	68.9	18.8	16.3	7844.7	4665.9
6	251L1006	3.0	71.0	109.0	55.7	70.8	16.2	13.7	7835.4	4864.6
209	251L1209	3.0	72.0	95.0	47.3	68.9	18.8	19.5	7829.0	4911.8
43	251L1043	1.0	72.0	102.0	50.6	70.1	17.6	11.6	7825.8	4924.3
149	251L1149	1.0	68.0	96.0	33.2	67.1	17.2	15.6	7810.6	5591.8
3	251L1003	1.0	73.0	100.0	62.8	71.1	17.9	15.7	7799.9	4561.0
236	251L1236	3.0	69.0	93.0	42.5	68.3	16.2	13.3	7784.2	4728.0
216	251L1216	3.0	71.0	101.0	50.2	70.5	12.6	9.9	7760.9	3639.3
58	251L1058	3.0	72.0	94.0	61.4	72.5	14.9	12.1	7744.1	5698.0
172	251L1172	3.0	67.0	94.0	61.7	72.5	20.1	19.4	7730.2	4737.5
127	251L1127	3.0	72.0	96.0	67.4	74.4	12.0	7.8	7729.8	4817.2
38	251L1038	3.0	73.0	102.0	56.9	71.1	13.9	9.4	7718.6	5166.9
162	251L1162	3.0	70.0	97.0	64.1	73.0	17.4	17.2	7706.9	4932.1
165	251L1165	1.0	72.0	111.0	66.8	73.6	18.0	14.1	7705.3	4119.8
114	251L1114	3.0	72.0	94.0	52.2	69.1	16.4	9.5	7679.1	4898.9
222	251L1222	3.0	72.0	99.0	50.7	68.9	18.1	10.8	7678.8	3748.7
151	251L1151	1.0	72.0	104.0	53.0	69.8	25.9	24.2	7662.7	4106.3
218	251L1218	3.0	74.0	100.0	56.0	71.1	18.1	14.0	7644.3	4389.5
221	251L1221	3.0	70.0	102.0	42.4	69.8	20.4	19.2	7626.1	4248.4
155	251L1155	3.0	69.0	97.0	53.9	70.3	23.3	21.5	7619.8	4053.4

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
66	251L1066	3.0	71.0	95.0	60.7	72.2	20.8	18.1	7599.9	4338.1
5	251L1005	3.0	71.0	103.0	69.0	73.6	13.6	11.3	7598.1	4292.1
71	251L1071	3.0	71.0	106.0	57.6	71.8	22.6	20.8	7550.7	4514.5
121	251L1121	1.0	70.0	98.0	59.8	72.2	12.8	9.8	7549.7	5814.3
229	251L1229	5.0	73.0	101.0	60.2	72.1	21.2	16.7	7524.1	3983.4
183	251L1183	1.0	72.0	120.0	54.3	69.5	19.1	16.9	7493.1	4035.6
32	251L1032	3.0	76.0	93.0	55.0	69.6	16.7	13.9	7470.3	1840.7
174	251L1174	3.0	69.0	93.0	58.7	72.0	21.7	22.4	7453.5	4484.2
112	251L1112	3.0	72.0	94.0	59.7	71.5	16.2	14.5	7449.5	4744.3
238	251L1238	1.0	73.0	112.0	57.7	70.5	17.6	13.4	7446.2	6171.4
23	251L1023	3.0	72.0	105.0	56.5	71.7	16.5	13.7	7435.7	5118.7
153	251L1153	3.0	71.0	107.0	31.7	66.2	15.6	15.8	7432.3	3890.7
208	251L1208	3.0	73.0	103.0	55.7	70.0	14.0	12.8	7431.2	4895.8
227	251L1227	1.0	71.0	95.0	62.5	72.2	16.7	12.8	7412.8	2105.2
184	251L1184	3.0	71.0	100.0	49.0	69.5	18.8	19.0	7408.9	4276.9
51	251L1051	3.0	73.0	92.0	58.7	70.6	7.7	5.5	7389.1	3172.9
164	251L1164	5.0	72.0	92.0	59.7	70.6	19.1	12.5	7369.0	3424.6
57	251L1057	3.0	70.0	93.0	65.5	74.4	18.4	11.9	7361.1	4575.1
226	251L1226	3.0	71.0	109.0	59.2	72.5	24.0	22.2	7338.3	4276.6
67	251L1067	3.0	71.0	92.0	47.4	69.6	23.4	21.2	7301.0	5069.7
230	251L1230	3.0	73.0	104.0	54.0	69.4	13.2	10.8	7300.4	5557.8
120	251L1120	3.0	72.0	95.0	64.2	72.1	7.3	5.6	7299.1	5944.4
25	251L1025	3.0	67.0	92.0	62.1	71.9	22.1	22.1	7293.4	5213.3
125	251L1125	3.0	71.0	89.0	57.5	70.9	10.4	7.0	7280.7	4669.0
225	251L1225	3.0	71.0	90.0	41.6	68.3	22.7	21.0	7242.9	4676.1
231	251L1231	3.0	72.0	95.0	57.9	71.0	16.5	11.7	7223.8	4976.6
27	251L1027	3.0	73.0	80.0	49.7	69.6	13.7	11.1	7202.0	4107.1
118	251L1118	1.0	72.0	96.0	56.9	71.5	16.8	13.7	7194.5	5842.1
220	251L1220	3.0	70.0	108.0	53.4	69.2	16.5	12.5	7194.5	4495.7
98	251L1098	3.0	72.0	109.0	55.2	70.8	21.6	18.3	7183.0	4449.4
108	251L1108	3.0	76.0	94.0	68.2	74.4	12.2	8.7	7180.6	2452.2
45	251L1045	1.0	69.0	100.0	-	-	-	-	7154.7	5078.2
157	251L1157	3.0	72.0	100.0	40.1	66.5	27.8	26.3	7140.1	3726.7
40	251L1040	1.0	68.0	100.0	47.0	70.2	21.4	18.2	7135.8	3307.7
99	251L1099	1.0	70.0	100.0	43.5	67.0	19.7	18.3	7135.8	5434.4
233	251L1233	3.0	71.0	99.0	43.4	68.2	18.5	14.8	7134.4	4025.5
29	251L1029	3.0	75.0	96.0	63.8	71.9	15.1	13.4	7119.7	4547.8
111	251L1111	3.0	70.0	86.0	59.0	72.2	16.5	12.3	7109.3	2485.3
101	251L1101	1.0	70.0	96.0	60.6	71.2	20.5	19.2	7107.7	5102.5
168	251L1168	3.0	77.0	112.0	64.7	72.4	16.6	15.5	7080.6	3529.7
113	251L1113	1.0	69.0	89.0	44.8	69.4	21.8	20.9	7076.7	4283.1
137	251L1137	3.0	70.0	99.0	53.0	70.0	16.7	13.9	7066.0	4753.5
193	251L1193	3.0	71.0	93.0	48.8	70.2	17.4	16.6	7053.5	5881.9
126	251L1126	5.0	71.0	100.0	60.4	72.4	13.9	11.6	7047.6	4475.2
210	251L1210	1.0	70.0	90.0	44.0	68.1	19.6	19.2	7045.5	3953.1
54	251L1054	3.0	68.0	97.0	59.6	72.6	20.7	18.4	7041.5	4669.8
141	251L1141	5.0	72.0	92.0	48.0	69.3	18.2	15.4	7024.2	4454.6
161	251L1161	3.0	69.0	99.0	61.0	71.6	22.6	23.6	7020.1	4168.0
109	251L1109	3.0	71.0	85.0	58.4	72.0	9.4	6.6	7019.9	4893.8
70	251L1070	5.0	72.0	86.0	56.6	71.4	17.2	14.9	7009.5	2912.5
228	251L1228	3.0	74.0	84.0	55.2	70.8	16.0	12.7	6966.8	3728.9

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
65	251L1065	1.0	69.0	93.0	62.0	71.8	17.8	15.3	6958.7	2431.8
97	251L1097	3.0	71.0	99.0	57.4	71.9	21.8	18.4	6942.0	4340.0
13	251L1013	3.0	72.0	108.0	61.6	72.9	12.0	9.8	6933.3	4510.8
89	251L1089	3.0	69.0	103.0	57.8	70.3	17.1	12.3	6916.1	3066.3
4	251L1004	3.0	74.0	95.0	59.7	70.5	17.2	15.2	6902.8	3525.7
175	251L1175	3.0	69.0	106.0	59.9	70.4	25.2	24.8	6893.4	4375.0
166	251L1166	3.0	72.0	92.0	64.3	73.0	15.7	12.4	6886.1	3755.3
136	251L1136	3.0	68.0	93.0	45.4	68.7	18.8	16.8	6877.7	4942.0
122	251L1122	3.0	71.0	95.0	62.3	72.8	15.7	12.6	6863.1	4668.1
24	251L1024	1.0	69.0	105.0	68.3	73.6	17.9	18.0	6832.8	5402.6
145	251L1145	3.0	71.0	89.0	43.4	67.3	24.4	22.1	6829.7	4007.3
134	251L1134	3.0	70.0	101.0	51.9	69.7	16.0	12.1	6813.5	4969.3
86	251L1086	3.0	71.0	94.0	54.1	69.8	20.7	17.7	6805.4	4286.9
39	251L1039	1.0	68.0	110.0	50.0	69.6	20.4	17.8	6799.8	4883.7
55	251L1055	3.0	71.0	93.0	65.5	73.5	16.4	12.6	6797.9	5067.5
129	251L1129	3.0	70.0	89.0	62.8	71.9	14.6	11.6	6796.4	4599.6
173	251L1173	3.0	68.0	94.0	64.5	73.1	21.0	20.1	6783.7	4279.6
49	251L1049	3.0	72.0	96.0	62.3	72.2	5.9	4.0	6738.3	4499.5
69	251L1069	3.0	71.0	90.0	51.5	70.2	25.1	22.0	6730.1	4947.7
182	251L1182	1.0	71.0	115.0	40.1	68.0	21.6	20.5	6725.1	5817.8
105	251L1105	5.0	72.0	97.0	62.8	72.7	18.0	13.6	6719.1	4693.5
36	251L1036	3.0	73.0	101.0	56.6	69.5	19.4	15.6	6719.0	4451.4
56	251L1056	3.0	72.0	93.0	54.1	70.2	10.1	8.4	6714.3	5660.1
41	251L1041	1.0	69.0	113.0	39.2	67.1	19.0	16.2	6705.1	5599.7
179	251L1179	1.0	71.0	115.0	53.2	70.7	22.0	20.2	6660.1	-
197	251L1197	3.0	71.0	100.0	50.2	70.9	20.6	19.5	6656.2	2047.2
15	251L1015	1.0	75.0	99.0	62.4	72.0	13.3	11.0	6643.7	5712.9
10	251L1010	1.0	71.0	105.0	50.6	69.7	11.6	8.5	6642.5	4427.2
131	251L1131	3.0	76.0	97.0	66.3	73.5	15.2	11.0	6637.2	3728.3
44	251L1044	1.0	71.0	91.0	51.4	69.4	15.4	15.0	6614.7	4919.0
246	Mermentau	3.0	71.0	95.0	66.6	72.8	20.1	20.5	6613.8	3782.9
128	251L1128	3.0	73.0	99.0	61.9	72.5	15.0	13.8	6605.2	5112.9
96	251L1096	3.0	71.0	98.0	41.9	68.0	28.9	29.8	6564.9	3881.3
206	251L1206	3.0	71.0	95.0	45.7	68.5	21.3	19.5	6542.1	2210.1
148	251L1148	1.0	70.0	84.0	46.6	69.0	13.4	11.0	6541.7	5225.3
223	251L1223	3.0	71.0	105.0	48.0	68.9	17.1	9.2	6529.8	4605.4
72	251L1072	3.0	72.0	94.0	62.3	73.0	28.0	24.9	6517.0	4359.2
144	251L1144	3.0	70.0	91.0	52.6	69.8	14.6	9.8	6514.7	3968.3
30	251L1030	3.0	69.0	100.0	60.8	72.1	21.1	21.2	6495.8	4387.1
159	251L1159	3.0	70.0	97.0	37.6	68.7	24.1	22.5	6490.4	4674.4
84	251L1084	3.0	71.0	102.0	58.6	71.4	20.3	15.9	6476.3	4288.2
241	Avant	3.0	64.0	87.0	63.1	72.7	22.6	22.8	6456.9	5939.0
42	251L1042	1.0	71.0	98.0	54.7	71.0	20.8	18.6	6456.8	4288.2
59	251L1059	3.0	72.0	98.0	62.2	72.9	7.4	5.8	6453.5	4271.2
224	251L1224	3.0	71.0	97.0	63.7	71.6	18.9	16.3	6452.4	4255.2
198	251L1198	3.0	70.0	96.0	55.9	71.2	19.1	17.4	6448.7	4051.8
14	251L1014	3.0	69.0	96.0	59.7	71.6	18.4	17.1	6443.4	4501.6
63	251L1063	1.0	70.0	92.0	57.7	70.7	21.4	18.1	6416.2	4938.8
244	CLL19	1.0	69.0	93.0	53.0	70.1	24.5	22.0	6380.8	3766.9
53	251L1053	3.0	70.0	101.0	54.3	70.5	13.2	11.1	6335.2	4997.6
61	251L1061	3.0	69.0	98.0	58.2	70.7	18.0	13.1	6329.2	4525.2

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
190	251L1190	1.0	69.0	104.0	51.6	68.7	22.6	22.3	6304.5	5069.7
60	251L1060	3.0	70.0	99.0	48.4	69.4	21.9	22.0	6304.1	3280.2
188	251L1188	3.0	72.0	90.0	57.9	71.3	21.7	20.4	6296.6	3545.0
217	251L1217	3.0	73.0	86.0	41.3	67.2	14.0	9.2	6296.0	2509.4
187	251L1187	3.0	72.0	86.0	63.5	72.7	20.4	20.7	6295.0	-
88	251L1088	5.0	71.0	96.0	58.0	70.9	23.2	19.1	6261.8	4661.2
201	251L1201	3.0	70.0	90.0	47.4	69.3	16.3	16.9	6247.8	4038.1
7	251L1007	3.0	71.0	110.0	56.0	71.6	13.8	10.6	6202.8	2270.2
94	251L1094	3.0	70.0	99.0	59.0	70.7	15.4	15.4	6195.7	4690.5
46	251L1046	1.0	68.0	95.0	60.2	71.7	22.5	22.2	6178.1	5263.5
119	251L1119	3.0	73.0	82.0	61.7	72.4	12.6	7.9	6176.0	3895.7
199	251L1199	3.0	73.0	104.0	48.7	70.3	20.4	20.6	6166.2	3808.5
81	251L1081	3.0	71.0	100.0	52.8	70.3	15.6	12.5	6165.3	2327.3
202	251L1202	1.0	74.0	103.0	56.3	70.1	19.3	17.2	6152.4	3870.5
160	251L1160	3.0	71.0	99.0	60.0	72.0	13.5	9.9	6150.2	3988.6
103	251L1103	3.0	72.0	104.0	44.3	67.4	19.7	18.2	6133.5	4668.7
48	251L1048	5.0	72.0	99.0	58.0	71.4	15.7	12.9	6125.2	4705.5
11	251L1011	3.0	70.0	100.0	59.4	71.0	20.2	19.9	6116.5	4378.3
33	251L1033	3.0	78.0	93.0	61.4	71.4	14.2	10.3	6109.6	3331.8
104	251L1104	5.0	71.0	101.0	56.8	71.6	11.1	7.2	6097.2	4248.7
85	251L1085	3.0	69.0	94.0	49.0	68.1	17.6	11.6	6083.6	5048.0
12	251L1012	1.0	67.0	102.0	54.4	70.4	19.9	20.1	6038.7	1867.8
132	251L1132	3.0	68.0	91.0	48.1	67.4	14.5	10.2	6023.0	4407.5
26	251L1026	3.0	78.0	90.0	57.6	69.5	13.8	10.6	6020.9	4362.3
214	251L1214	3.0	72.0	98.0	44.1	68.3	22.0	21.6	6014.1	3944.5
177	251L1177	1.0	71.0	107.0	53.8	70.0	21.8	19.2	6002.2	5508.1
82	251L1082	3.0	72.0	94.0	57.3	71.1	20.5	16.6	5997.0	4483.8
78	251L1078	5.0	74.0	98.0	52.5	69.8	22.2	21.1	5991.3	4182.5
143	251L1143	3.0	68.0	96.0	48.5	71.0	22.8	23.1	5978.9	1941.7
102	251L1102	3.0	71.0	94.0	48.7	69.9	16.9	12.4	5977.6	4345.4
68	251L1068	3.0	69.0	89.0	56.4	71.7	25.2	22.5	5976.6	5029.3
158	251L1158	3.0	72.0	100.0	51.0	69.8	20.4	19.3	5976.6	1811.8
1	251L1001	3.0	71.0	103.0	58.9	69.6	13.9	10.9	5961.7	-
52	251L1052	3.0	72.0	97.0	59.8	71.5	8.9	6.9	5949.1	4271.6
77	251L1077	3.0	72.0	107.0	62.2	72.4	20.1	18.0	5947.5	5181.3
191	251L1191	3.0	71.0	110.0	52.7	70.8	12.0	10.6	5934.9	4167.9
207	251L1207	5.0	71.0	95.0	45.7	68.1	13.2	11.0	5906.1	3697.7
73	251L1073	3.0	73.0	90.0	57.8	71.0	26.3	25.9	5881.9	4578.3
163	251L1163	3.0	71.0	106.0	62.5	72.1	15.5	13.0	5880.1	4969.7
180	251L1180	1.0	71.0	108.0	47.0	69.2	20.5	19.1	5872.0	3676.3
92	251L1092	1.0	71.0	118.0	56.4	70.5	10.7	8.5	5794.3	4270.4
35	251L1035	3.0	71.0	96.0	61.9	72.0	21.9	21.1	5789.6	4289.6
62	251L1062	1.0	70.0	109.0	53.9	68.6	19.2	13.7	5778.8	4126.6
154	251L1154	5.0	71.0	109.0	30.1	64.6	16.0	15.0	5764.8	4137.9
107	251L1107	3.0	70.0	92.0	54.8	71.8	9.0	5.4	5755.6	4241.1
116	251L1116	3.0	74.0	92.0	55.1	70.0	14.9	11.9	5751.9	4351.2
110	251L1110	5.0	72.0	99.0	60.6	72.6	17.7	14.7	5748.7	3980.7
140	251L1140	1.0	68.0	91.0	53.7	68.6	16.6	16.2	5735.7	5681.9
34	251L1034	3.0	77.0	97.0	53.7	69.2	19.7	17.6	5725.0	4184.1
185	251L1185	3.0	71.0	99.0	46.8	69.2	21.0	20.8	5721.0	3771.4
205	251L1205	3.0	72.0	97.0	52.0	68.5	23.8	19.8	5717.8	3426.4

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
211	251L1211	5.0	73.0	102.0	61.7	71.4	24.4	24.3	5660.4	3599.7
83	251L1083	3.0	71.0	105.0	47.6	67.5	25.8	25.5	5627.5	4492.7
100	251L1100	3.0	70.0	94.0	58.8	70.3	19.4	16.9	5600.6	4867.2
28	251L1028	3.0	74.0	105.0	61.1	71.5	24.2	23.5	5555.3	4688.6
124	251L1124	3.0	75.0	100.0	63.0	72.7	13.2	12.2	5552.4	4312.7
9	251L1009	3.0	74.0	103.0	59.8	70.8	12.6	8.7	5492.5	3410.0
19	251L1019	3.0	75.0	97.0	62.7	72.0	18.4	16.3	5491.1	3613.3
75	251L1075	3.0	70.0	105.0	60.2	71.3	19.7	18.4	5489.5	5539.5
186	251L1186	3.0	70.0	94.0	53.3	70.3	23.2	23.8	5481.8	3595.4
123	251L1123	3.0	72.0	91.0	56.1	70.5	10.4	8.7	5475.9	4320.2
232	251L1232	1.0	70.0	99.0	34.8	64.8	21.0	19.0	5454.6	3792.0
195	251L1195	3.0	70.0	99.0	43.5	68.1	19.3	19.8	5390.6	4763.8
31	251L1031	3.0	73.0	104.0	46.1	67.6	15.9	12.9	5389.1	4888.4
176	251L1176	3.0	69.0	89.0	65.9	73.1	24.5	24.1	5383.9	4097.9
22	251L1022	3.0	72.0	110.0	57.5	71.3	24.6	24.0	5366.0	4135.5
219	251L1219	3.0	70.0	91.0	34.1	66.5	21.2	17.9	5333.3	3675.1
18	251L1018	3.0	71.0	105.0	44.8	67.7	17.9	16.9	5262.5	4962.8
171	251L1171	3.0	67.0	91.0	62.0	72.4	18.1	18.6	5218.2	3694.2
213	251L1213	3.0	70.0	92.0	40.4	67.5	22.8	23.4	5199.0	3355.6
90	251L1090	3.0	70.0	97.0	58.0	70.3	21.2	18.0	5175.5	4884.5
142	251L1142	1.0	68.0	99.0	43.5	68.3	15.2	11.3	5175.0	4708.5
133	251L1133	3.0	72.0	97.0	53.6	68.9	20.9	19.6	5163.0	4059.5
139	251L1139	3.0	67.0	105.0	51.6	69.3	15.5	12.9	5110.2	3453.6
64	251L1064	5.0	72.0	105.0	60.1	70.7	20.0	15.0	5102.9	4150.1
80	251L1080	3.0	70.0	98.0	44.3	67.6	24.8	24.5	5101.0	-
146	251L1146	1.0	66.0	95.0	34.2	66.3	18.7	16.1	5082.9	4263.0
130	251L1130	5.0	72.0	100.0	61.3	71.8	13.2	12.8	5075.6	4429.2
20	251L1020	3.0	71.0	97.0	56.8	70.2	23.0	21.6	5057.0	4725.9
37	251L1037	3.0	72.0	95.0	56.2	70.0	18.8	16.6	5050.4	3814.7
237	251L1237	3.0	69.0	99.0	55.1	70.9	20.3	19.3	5026.3	4604.7
196	251L1196	3.0	70.0	88.0	51.4	69.7	20.7	21.3	5006.1	3989.9
76	251L1076	3.0	69.0	94.0	46.7	69.3	21.5	20.9	4932.7	5089.8
240	251L1240	3.0	69.0	103.0	38.3	67.2	28.3	29.0	4915.7	4362.4
245	PVL03	1.0	72.0	100.0	44.7	68.1	19.1	18.2	4891.1	4325.3
235	251L1235	3.0	72.0	103.0	47.8	69.7	28.0	28.9	4882.7	4119.0
147	251L1147	3.0	68.0	93.0	39.6	67.5	17.1	15.0	4858.4	3928.8
47	251L1047	1.0	70.0	88.0	59.4	72.3	20.4	19.6	4850.7	3760.6
17	251L1017	3.0	70.0	104.0	53.9	69.9	23.2	22.3	4796.2	5454.1
106	251L1106	1.0	70.0	94.0	61.4	71.3	13.2	9.4	4648.6	4769.7
189	251L1189	3.0	68.0	92.0	63.4	73.2	23.9	24.3	4519.8	-
8	251L1008	3.0	72.0	101.0	60.6	71.7	14.2	10.4	4496.3	3561.8
87	251L1087	3.0	68.0	104.0	56.1	70.0	24.2	23.9	4435.8	4927.3
91	251L1091	5.0	70.0	90.0	59.4	70.8	21.4	18.7	4330.7	2393.2

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 5. Grain and milling yields and agronomic performance of entries in the 2025 Conventional Preliminary Yield Medium-Grain trial. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
98	251M1098	3.0	83.0	102.0	69.3	72.4	4.9	4.8	12433.2	4035.7
145	251M1145	3.0	81.0	101.0	66.1	70.8	10.6	7.8	12094.9	3214.9
17	251M1017	3.0	79.0	111.0	55.7	71.2	6.0	4.4	12082.7	4997.7
16	251M1016	1.0	79.0	101.0	66.3	71.3	7.5	4.6	11998.6	3467.0
72	251M1072	3.0	81.0	97.0	65.6	70.3	5.4	2.1	11915.8	2704.5
85	251M1085	3.0	80.0	101.0	68.3	71.2	8.6	6.5	11816.7	2519.3
35	251M1035	3.0	84.0	113.0	65.4	71.6	6.4	4.3	11705.2	2865.5
128	251M1128	3.0	79.0	103.0	67.2	71.4	8.6	7.0	11699.4	3835.9
123	251M1123	3.0	79.0	116.0	49.7	70.9	7.1	4.9	11698.4	3897.5
1	251M1001	3.0	82.0	96.0	67.6	72.1	8.0	5.5	11692.1	2878.8
83	251M1083	3.0	82.0	102.0	67.9	71.0	9.4	5.5	11689.7	2374.2
107	251M1107	3.0	82.0	110.0	70.8	74.1	6.8	5.1	11684.8	3802.2
95	251M1095	3.0	85.0	103.0	66.7	70.7	13.3	8.4	11642.2	3636.1
92	251M1092	3.0	80.0	112.0	68.0	72.3	9.1	6.3	11637.9	3225.4
87	251M1087	3.0	84.0	107.0	68.7	71.6	7.6	4.3	11618.2	2346.4
106	251M1106	3.0	82.0	120.0	53.8	71.5	6.5	3.8	11434.9	3774.8
150	Venus	5.0	80.0	104.0	67.3	71.2	6.1	3.7	11421.4	4836.3
15	251M1015	3.0	78.0	102.0	69.4	73.4	4.7	4.3	11364.1	4807.4
47	251M1047	3.0	83.0	104.0	57.7	72.8	4.8	2.2	11351.0	2048.7
127	251M1127	3.0	80.0	106.0	64.0	71.1	7.3	5.8	11190.1	2612.8
20	251M1020	3.0	80.0	111.0	60.3	71.1	8.8	5.7	11174.4	3613.5
19	251M1019	3.0	80.0	103.0	61.2	71.4	5.8	3.3	11162.1	4485.5
18	251M1018	3.0	81.0	108.0	58.2	71.5	6.0	3.3	11133.4	4001.1
76	251M1076	1.0	80.0	107.0	41.0	70.5	3.5	2.4	11103.0	2862.6
109	251M1109	3.0	79.0	98.0	51.1	70.1	3.2	1.6	11080.0	3572.4
97	251M1097	3.0	80.0	110.0	65.2	71.3	5.1	3.6	11072.9	3896.4
149	Taurus	3.0	82.0	102.0	53.4	71.0	4.2	2.2	11070.5	3700.6
100	251M1100	3.0	80.0	111.0	64.0	72.0	5.4	4.3	11054.6	3223.0
115	251M1115	3.0	78.0	109.0	66.0	72.8	4.6	3.0	11032.0	2691.7
99	251M1099	3.0	82.0	110.0	67.2	71.3	6.9	5.3	10974.1	2970.9
50	251M1050	3.0	80.0	107.0	53.8	70.0	5.4	2.1	10969.0	3216.1
21	251M1021	3.0	83.0	100.0	62.3	71.5	6.5	4.1	10915.6	2987.3
63	251M1063	3.0	82.0	101.0	60.6	72.3	6.4	4.4	10909.1	4246.4
108	251M1108	3.0	83.0	105.0	62.5	71.0	7.1	4.8	10898.8	2256.0
23	251M1023	3.0	82.0	103.0	65.1	71.5	5.1	2.6	10884.9	3625.6
14	251M1014	3.0	79.0	105.0	48.2	68.4	4.8	2.9	10880.5	2966.6
81	251M1081	3.0	80.0	103.0	65.1	72.0	5.6	3.2	10869.1	3971.4
25	251M1025	3.0	81.0	106.0	62.4	70.8	5.1	3.5	10856.1	3420.4
119	251M1119	1.0	81.0	98.0	64.3	71.1	7.5	5.5	10805.1	3247.0
24	251M1024	3.0	80.0	109.0	66.0	72.6	8.2	4.4	10780.2	4661.9
10	251M1010	3.0	81.0	101.0	66.7	71.8	5.2	2.6	10722.3	4008.0
104	251M1104	1.0	77.0	102.0	63.1	71.2	6.1	4.4	10712.6	3514.8
103	251M1103	3.0	81.0	95.0	61.2	72.2	9.1	6.2	10686.5	3390.5
91	251M1091	3.0	79.0	109.0	61.2	70.9	7.4	5.3	10653.5	3043.0
46	251M1046	3.0	79.0	113.0	60.3	71.6	6.0	3.6	10615.3	3420.7
93	251M1093	3.0	84.0	108.0	66.2	71.8	7.8	5.2	10614.5	3709.7
135	251M1135	3.0	79.0	103.0	62.0	71.2	10.5	8.7	10581.8	3214.9
48	251M1048	3.0	80.0	96.0	67.7	72.4	5.3	3.1	10577.1	3080.3
120	251M1120	3.0	79.0	109.0	54.9	69.6	12.4	9.6	10570.4	1955.6
9	251M1009	3.0	76.0	107.0	51.8	70.8	5.4	3.4	10551.5	3494.1

Continued.

Table 5. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
84	251M1084	1.0	82.0	104.0	65.9	71.1	6.5	4.2	10551.1	2008.5
12	251M1012	3.0	80.0	103.0	63.6	72.2	5.0	2.9	10548.3	4120.4
86	251M1086	3.0	80.0	105.0	63.5	71.3	6.3	4.2	10524.4	3212.7
32	251M1032	3.0	79.0	115.0	64.2	71.3	7.4	4.4	10520.7	3296.0
101	251M1101	3.0	83.0	106.0	65.0	70.5	6.3	4.2	10520.6	1810.1
136	251M1136	1.0	80.0	106.0	67.4	72.5	5.8	4.1	10519.9	4030.0
64	251M1064	3.0	85.0	101.0	60.0	71.7	4.8	3.5	10515.7	3384.3
73	251M1073	3.0	77.0	105.0	61.5	71.1	6.9	4.5	10499.9	3141.8
36	251M1036	3.0	82.0	112.0	59.8	71.7	8.4	5.7	10456.5	4080.1
80	251M1080	3.0	81.0	107.0	60.0	71.6	5.6	3.7	10439.9	3927.1
117	251M1117	3.0	82.0	103.0	63.9	70.3	10.7	7.3	10426.3	2857.2
102	251M1102	3.0	81.0	104.0	65.9	72.2	7.1	5.3	10413.7	2505.2
55	251M1055	3.0	82.0	105.0	66.0	72.4	6.5	4.9	10382.2	3341.5
133	251M1133	3.0	80.0	108.0	62.9	70.3	8.9	4.9	10376.0	4156.5
124	251M1124	3.0	79.0	98.0	54.6	70.1	7.4	6.4	10360.3	3030.0
34	251M1034	3.0	81.0	96.0	60.3	72.0	8.4	4.8	10350.0	3313.4
30	251M1030	3.0	81.0	100.0	67.5	71.3	7.3	3.2	10322.9	2848.1
11	251M1011	3.0	74.0	108.0	64.9	71.6	5.7	4.0	10316.0	5219.2
125	251M1125	1.0	83.0	107.0	51.4	70.4	9.0	5.7	10284.2	4588.6
13	251M1013	3.0	82.0	106.0	48.6	69.2	5.2	4.1	10277.2	2879.6
2	251M1002	3.0	84.0	100.0	66.9	71.5	8.6	5.4	10257.0	3061.0
29	251M1029	3.0	80.0	107.0	55.3	71.0	7.0	4.1	10253.6	3327.0
138	251M1138	1.0	80.0	114.0	63.0	70.4	7.8	5.7	10211.5	4958.6
141	251M1141	3.0	83.0	110.0	62.1	70.9	5.1	2.7	10195.1	3921.6
22	251M1022	3.0	81.0	94.0	56.6	71.1	4.0	2.0	10192.3	3685.8
8	251M1008	3.0	79.0	102.0	46.1	69.6	3.2	2.1	10164.2	3488.3
114	251M1114	1.0	79.0	102.0	48.9	70.7	3.8	2.5	10125.9	3738.6
96	251M1096	3.0	83.0	99.0	66.1	70.9	6.7	4.3	10114.8	3277.1
79	251M1079	1.0	79.0	116.0	53.6	71.3	4.3	3.0	10096.7	3014.1
94	251M1094	1.0	82.0	101.0	66.7	70.8	8.4	4.3	10094.6	3040.3
65	251M1065	3.0	82.0	106.0	59.2	71.2	7.6	4.8	10035.7	2843.4
121	251M1121	3.0	81.0	107.0	55.8	69.6	10.7	6.9	10020.7	3772.5
53	251M1053	3.0	80.0	104.0	64.5	71.9	7.4	4.4	10018.8	3409.3
113	251M1113	1.0	76.0	99.0	62.6	71.2	8.1	4.1	9966.5	3202.1
144	251M1144	3.0	80.0	107.0	63.4	71.8	7.9	5.3	9963.4	4381.6
105	251M1105	3.0	81.0	103.0	61.7	71.4	8.3	5.7	9954.3	3934.5
4	251M1004	3.0	78.0	117.0	62.5	71.7	5.7	3.2	9942.3	4139.3
37	251M1037	3.0	85.0	96.0	67.6	73.1	6.6	5.3	9923.1	3110.6
112	251M1112	3.0	79.0	111.0	52.9	70.2	3.1	1.3	9922.3	4202.8
57	251M1057	3.0	83.0	106.0	68.9	73.2	1.9	0.9	9881.5	3587.1
66	251M1066	3.0	82.0	109.0	62.6	72.1	8.0	5.6	9842.2	2598.1
88	251M1088	3.0	84.0	105.0	68.6	72.3	6.3	4.2	9839.1	2967.1
59	251M1059	3.0	81.0	115.0	60.8	71.3	5.4	3.4	9834.9	3631.9
78	251M1078	3.0	80.0	108.0	53.8	71.3	5.8	3.9	9767.2	4039.3
49	251M1049	1.0	78.0	108.0	46.5	70.1	8.9	5.9	9738.3	3969.6
27	251M1027	3.0	82.0	105.0	61.1	71.3	10.6	5.0	9729.4	3288.3
52	251M1052	3.0	83.0	105.0	56.8	69.6	4.8	2.9	9715.3	3880.3
143	251M1143	3.0	81.0	105.0	66.4	71.1	9.8	8.1	9655.5	3287.9
33	251M1033	3.0	84.0	96.0	62.1	71.1	8.3	5.6	9643.9	3447.1
70	251M1070	3.0	83.0	104.0	64.5	71.7	6.7	4.9	9610.8	4297.7
137	251M1137	3.0	80.0	102.0	64.9	71.5	5.7	4.0	9600.5	2517.9

Continued.

Table 5. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
31	251M1031	3.0	84.0	99.0	61.0	71.1	10.0	5.4	9572.4	3280.5
6	251M1006	3.0	83.0	110.0	63.3	70.8	4.4	2.5	9566.9	4014.6
130	251M1130	3.0	80.0	114.0	59.6	70.5	7.1	4.5	9552.2	4464.7
71	251M1071	3.0	77.0	109.0	60.0	70.6	7.5	5.5	9549.1	4089.3
146	251M1146	3.0	85.0	107.0	63.7	71.2	8.0	6.1	9549.0	2788.3
134	251M1134	3.0	80.0	100.0	67.3	71.7	8.9	6.5	9521.7	4363.0
131	251M1131	3.0	80.0	103.0	61.0	70.9	7.8	5.5	9516.1	4569.6
40	251M1040	3.0	82.0	99.0	49.6	69.0	12.2	8.6	9504.7	-
60	251M1060	3.0	83.0	99.0	60.7	71.6	7.4	5.3	9496.4	4077.2
7	251M1007	3.0	82.0	103.0	59.5	71.0	5.0	2.3	9477.2	4594.4
82	251M1082	3.0	83.0	91.0	64.4	70.8	6.4	4.4	9458.4	2496.3
110	251M1110	1.0	79.0	99.0	43.4	69.7	6.1	4.1	9395.5	4141.6
58	251M1058	3.0	83.0	113.0	61.7	72.1	7.1	5.9	9313.2	4437.7
42	251M1042	3.0	84.0	97.0	60.2	71.3	6.4	2.2	9247.4	2996.3
62	251M1062	3.0	82.0	106.0	65.3	71.6	7.6	4.3	9214.8	4400.0
43	251M1043	3.0	80.0	99.0	51.3	69.6	7.6	5.3	9168.4	2450.7
129	251M1129	1.0	80.0	96.0	63.8	70.8	5.6	3.5	9157.5	4432.3
68	251M1068	3.0	82.0	95.0	54.7	71.4	7.2	4.0	9114.7	3918.2
41	251M1041	3.0	84.0	102.0	58.1	69.9	4.9	3.5	9110.5	3462.0
77	251M1077	3.0	79.0	103.0	53.9	70.5	4.9	3.4	9074.8	3167.0
5	251M1005	1.0	82.0	100.0	61.1	71.4	4.0	2.4	9074.0	3661.9
44	251M1044	3.0	84.0	98.0	60.4	70.6	6.9	4.1	9071.6	2122.6
126	251M1126	3.0	79.0	107.0	50.7	67.5	13.3	9.4	9067.1	2088.4
148	251M1148	3.0	83.0	95.0	62.8	70.2	8.4	5.6	8994.7	2154.4
122	251M1122	3.0	78.0	108.0	57.6	70.7	11.4	8.2	8954.0	3563.9
67	251M1067	1.0	82.0	113.0	61.0	72.2	5.9	4.3	8937.1	4766.7
28	251M1028	3.0	81.0	93.0	53.5	71.8	6.1	4.1	8911.0	4170.7
111	251M1111	3.0	80.0	107.0	65.8	73.0	4.7	3.6	8894.5	3341.3
90	251M1090	3.0	79.0	112.0	63.2	70.8	8.7	6.6	8833.6	3949.7
45	251M1045	3.0	79.0	105.0	56.3	71.0	5.9	3.6	8803.8	2964.7
26	251M1026	3.0	83.0	101.0	63.2	71.9	9.6	5.0	8799.6	2487.6
116	251M1116	3.0	76.0	107.0	49.4	69.5	8.7	6.2	8770.6	3062.7
147	251M1147	3.0	82.0	96.0	62.8	70.7	7.8	5.9	8692.7	2764.3
139	251M1139	3.0	84.0	94.0	63.7	71.0	4.8	2.8	8680.2	3149.4
69	251M1069	3.0	81.0	99.0	52.0	70.4	8.0	5.0	8667.1	3146.4
3	251M1003	1.0	79.0	92.0	64.3	71.1	4.5	2.0	8625.7	4084.7
74	251M1074	3.0	83.0	89.0	64.1	70.7	5.7	3.7	8436.9	2855.0
132	251M1132	3.0	80.0	109.0	63.9	71.4	7.9	6.1	8429.0	4268.8
56	251M1056	1.0	78.0	115.0	55.4	71.6	5.2	3.5	8175.3	4781.8
140	251M1140	3.0	78.0	99.0	61.9	70.5	6.9	4.0	8168.8	3665.5
118	251M1118	3.0	79.0	117.0	39.7	69.5	9.3	6.7	8147.6	4933.3
51	251M1051	3.0	80.0	112.0	61.8	71.6	8.8	6.1	8146.3	4028.5
89	251M1089	3.0	82.0	105.0	65.2	71.8	7.5	5.2	8134.6	3153.7
61	251M1061	3.0	83.0	113.0	68.3	72.1	5.4	3.2	7849.6	3683.1
75	251M1075	3.0	78.0	109.0	45.8	69.2	7.0	4.2	7771.5	2838.9
54	251M1054	3.0	80.0	107.0	56.5	71.1	7.7	5.6	7710.7	4299.3
38	251M1038	1.0	82.0	100.0	46.6	68.2	10.2	5.4	6815.5	-
39	251M1039	3.0	82.0	104.0	45.3	67.9	13.0	9.6	6323.3	-
142	251M1142	3.0	80.0	102.0	-	-	-	-	4473.6	3810.9

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 6. Grain and milling yields and agronomic performance of entries in the 2025 Conventional Preliminary Yield Medium-Grain trial – Late Planting. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
79	251M1079	1.0	75.0	113.0	65.9	72.7	5.2	4.1	9639.3	-
37	251M1037	3.0	78.0	101.0	69.7	73.2	8.9	7.4	9464.6	3099.8
63	251M1063	3.0	74.0	99.0	-	-	-	-	9266.6	4004.4
32	251M1032	3.0	71.0	110.0	64.8	69.8	10.3	7.8	9065.0	4022.3
36	251M1036	1.0	75.0	107.0	65.0	71.9	9.9	6.2	9010.7	4812.6
80	251M1080	1.0	73.0	109.0	67.8	71.0	4.7	2.8	9001.6	4371.1
136	251M1136	3.0	72.0	102.0	65.6	69.6	7.7	4.9	8880.8	5098.2
118	251M1118	1.0	70.0	108.0	46.2	70.4	10.9	6.8	8861.4	4629.4
17	251M1017	3.0	71.0	95.0	44.9	70.2	5.2	3.4	8848.4	5261.1
121	251M1121	1.0	73.0	109.0	58.8	69.8	10.2	6.1	8839.9	4452.3
111	251M1111	3.0	70.0	94.0	67.7	72.5	4.0	3.0	8785.1	6342.3
41	251M1041	3.0	75.0	103.0	65.2	71.5	7.2	4.2	8778.6	4278.5
27	251M1027	1.0	72.0	109.0	66.8	71.9	12.7	7.6	8740.4	4007.3
120	251M1120	1.0	70.0	95.0	62.9	69.3	14.8	11.2	8734.5	4166.4
125	251M1125	1.0	73.0	107.0	60.7	71.4	11.6	8.1	8723.6	4206.7
149	Taurus	1.0	71.0	84.0	53.9	72.5	5.1	3.4	8701.5	3226.9
135	251M1135	3.0	71.0	101.0	66.5	70.9	13.2	10.3	8670.0	4091.2
66	251M1066	3.0	73.0	102.0	62.3	72.0	13.0	8.2	8668.5	4264.0
6	251M1006	3.0	72.0	104.0	64.8	70.3	5.0	2.7	8654.6	4546.0
70	251M1070	1.0	75.0	102.0	64.5	72.1	11.8	9.0	8636.3	4124.4
42	251M1042	3.0	76.0	95.0	65.4	71.7	8.4	4.1	8617.5	3934.0
60	251M1060	3.0	74.0	95.0	45.1	70.0	8.2	5.7	8613.4	3813.1
130	251M1130	3.0	70.0	103.0	64.5	69.6	8.0	5.3	8549.1	4382.3
55	251M1055	3.0	73.0	104.0	67.6	71.4	7.9	6.6	8547.8	4377.4
144	251M1144	3.0	71.0	101.0	66.1	71.7	13.3	11.0	8544.1	3877.3
85	251M1085	3.0	72.0	97.0	66.5	70.6	8.9	6.6	8537.6	3882.8
33	251M1033	3.0	77.0	96.0	65.7	69.9	15.3	13.2	8521.6	4386.0
35	251M1035	3.0	76.0	102.0	67.5	72.1	7.8	6.2	8515.0	3383.4
116	251M1116	1.0	68.0	110.0	56.2	69.9	9.5	7.7	8487.3	4681.0
53	251M1053	1.0	74.0	105.0	65.9	71.1	9.7	5.8	8470.2	5247.9
21	251M1021	3.0	74.0	94.0	64.9	73.0	8.4	5.4	8408.9	3299.7
12	251M1012	3.0	70.0	103.0	64.5	70.7	3.8	2.4	8407.1	4903.8
129	251M1129	3.0	70.0	103.0	66.2	70.2	5.9	3.8	8379.9	4527.8
73	251M1073	1.0	71.0	104.0	65.7	70.9	7.5	5.7	8360.5	-
95	251M1095	3.0	76.0	94.0	66.2	69.9	11.3	6.0	8356.3	4358.7
106	251M1106	3.0	75.0	101.0	66.8	71.8	9.4	7.0	8356.1	4193.3
82	251M1082	3.0	73.0	95.0	66.8	71.2	6.6	4.0	8350.4	3972.9
124	251M1124	3.0	71.0	97.0	64.1	71.2	10.3	6.9	8332.1	4601.9
83	251M1083	3.0	73.0	93.0	66.6	70.3	10.9	8.3	8328.2	3916.4
48	251M1048	3.0	73.0	86.0	67.5	70.5	7.0	4.1	8319.8	4649.9
22	251M1022	3.0	72.0	96.0	65.5	71.3	8.4	5.4	8306.5	4940.4
107	251M1107	3.0	77.0	104.0	69.4	73.0	10.6	8.0	8288.2	4450.4
40	251M1040	1.0	76.0	94.0	59.7	69.9	11.8	7.2	8276.5	2896.7
20	251M1020	1.0	72.0	102.0	60.0	71.5	6.5	4.7	8274.9	3966.3
108	251M1108	3.0	76.0	91.0	67.7	71.4	10.2	6.9	8245.0	3433.3
123	251M1123	1.0	70.0	112.0	61.1	71.7	7.9	6.8	8242.5	4532.8
7	251M1007	3.0	75.0	97.0	61.8	71.1	2.6	1.8	8196.3	4928.0
117	251M1117	3.0	74.0	100.0	65.8	69.4	13.5	10.1	8191.3	4232.8
92	251M1092	3.0	73.0	99.0	66.5	71.1	9.4	7.2	8143.2	4304.9
3	251M1003	3.0	70.0	96.0	67.8	72.1	7.3	4.5	8120.7	4197.6

Continued.

Table 6. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
50	251M1050	1.0	74.0	104.0	64.4	71.5	8.4	5.6	8120.1	3112.8
59	251M1059	1.0	72.0	107.0	63.4	70.2	7.0	5.3	8120.0	4751.6
57	251M1057	3.0	75.0	95.0	68.4	72.6	4.1	2.4	8103.8	4616.7
4	251M1004	3.0	73.0	101.0	63.6	71.3	6.3	2.4	8101.5	4237.2
102	251M1102	3.0	75.0	101.0	69.1	72.3	12.5	11.0	8091.5	4240.6
105	251M1105	3.0	73.0	95.0	66.3	71.1	11.5	8.4	8090.3	5124.4
19	251M1019	3.0	71.0	92.0	67.6	72.1	7.8	5.7	8081.3	4129.5
81	251M1081	3.0	70.0	97.0	60.1	70.0	6.7	2.3	8075.2	4775.8
99	251M1099	3.0	73.0	105.0	64.9	69.5	13.1	10.6	8028.8	3992.5
110	251M1110	3.0	69.0	99.0	42.7	70.2	8.9	7.2	8027.8	4405.8
64	251M1064	3.0	77.0	98.0	67.5	72.9	6.4	4.9	7993.1	4132.7
72	251M1072	3.0	75.0	94.0	67.6	71.1	11.5	8.1	7970.7	2944.7
146	251M1146	3.0	76.0	100.0	65.6	70.0	11.7	9.5	7970.7	3960.8
148	251M1148	3.0	72.0	94.0	65.4	70.1	11.9	9.1	7962.9	3759.9
1	251M1001	3.0	74.0	101.0	66.9	70.0	10.1	8.2	7959.2	3615.5
93	251M1093	3.0	77.0	102.0	68.1	71.2	10.4	7.2	7946.9	4209.3
24	251M1024	3.0	72.0	99.0	67.4	72.1	11.0	8.5	7940.5	4191.5
94	251M1094	1.0	74.0	95.0	67.1	70.8	9.3	6.4	7924.4	4481.0
2	251M1002	3.0	77.0	89.0	68.5	71.1	10.8	8.4	7919.6	3679.8
86	251M1086	3.0	72.0	95.0	67.2	71.5	9.6	6.7	7899.3	4047.7
11	251M1011	3.0	69.0	100.0	66.4	70.9	8.0	6.8	7884.8	3780.4
74	251M1074	1.0	73.0	97.0	66.7	69.8	7.2	7.6	7841.7	3544.4
140	251M1140	3.0	70.0	102.0	61.2	69.2	7.0	5.4	7825.5	4171.0
68	251M1068	3.0	73.0	91.0	66.2	73.5	7.7	5.8	7807.1	3984.1
145	251M1145	3.0	73.0	92.0	67.0	71.1	12.9	11.1	7796.7	3886.2
30	251M1030	1.0	72.0	97.0	64.0	69.6	8.8	4.7	7757.2	3646.0
119	251M1119	1.0	72.0	95.0	65.8	71.7	11.1	9.4	7756.4	4111.7
54	251M1054	3.0	70.0	95.0	53.7	72.0	7.1	5.8	7719.1	3566.4
98	251M1098	3.0	74.0	101.0	68.1	71.2	9.0	7.4	7686.0	3694.5
88	251M1088	3.0	76.0	94.0	68.4	71.3	7.6	6.2	7677.0	4139.7
127	251M1127	3.0	71.0	93.0	64.5	70.5	6.7	3.5	7632.4	3555.8
26	251M1026	3.0	76.0	86.0	66.6	72.1	10.2	4.9	7607.9	4425.2
5	251M1005	3.0	72.0	96.0	63.5	71.5	4.8	2.8	7597.7	4063.0
16	251M1016	3.0	70.0	99.0	64.7	70.6	5.9	2.9	7588.6	4558.3
47	251M1047	3.0	72.0	83.0	58.5	73.1	7.9	5.1	7582.6	3460.3
23	251M1023	3.0	71.0	95.0	65.6	71.9	5.7	3.2	7573.3	4029.7
113	251M1113	3.0	73.0	98.0	63.4	72.0	10.1	7.0	7554.6	3354.4
103	251M1103	3.0	72.0	91.0	61.8	71.2	9.9	7.9	7551.1	3715.9
87	251M1087	3.0	76.0	93.0	67.4	71.0	9.7	8.1	7520.5	3725.6
89	251M1089	3.0	74.0	94.0	67.8	71.4	10.8	8.4	7496.3	3597.3
18	251M1018	3.0	72.0	100.0	62.3	71.2	6.1	3.4	7459.4	3712.9
137	251M1137	3.0	72.0	93.0	66.3	70.6	8.3	5.1	7427.4	4407.1
133	251M1133	3.0	71.0	100.0	63.5	70.3	7.4	4.5	7418.5	4532.2
128	251M1128	3.0	72.0	93.0	65.6	70.6	13.1	10.0	7415.7	3910.3
143	251M1143	3.0	72.0	92.0	66.1	70.9	13.9	11.0	7411.9	2882.8
52	251M1052	3.0	77.0	90.0	65.0	70.5	8.8	5.2	7401.6	3637.9
97	251M1097	3.0	72.0	104.0	67.5	71.0	7.0	4.9	7354.6	4359.6
34	251M1034	3.0	73.0	92.0	64.3	71.9	10.6	8.2	7342.8	2942.9
141	251M1141	3.0	76.0	99.0	67.8	70.4	6.8	4.3	7304.0	4309.6
65	251M1065	3.0	72.0	101.0	59.3	71.5	12.6	10.8	7285.5	2970.2
138	251M1138	3.0	72.0	89.0	66.8	71.0	9.5	7.7	7273.5	3544.6

Continued.

Table 6. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
84	251M1084	3.0	74.0	94.0	66.9	71.2	11.1	8.5	7243.5	3364.3
104	251M1104	1.0	73.0	96.0	64.3	71.4	5.7	5.0	7225.7	3600.0
61	251M1061	3.0	74.0	101.0	69.3	72.4	13.3	11.3	7176.5	3500.2
101	251M1101	3.0	73.0	89.0	67.5	71.6	9.9	8.6	7151.6	3465.6
29	251M1029	1.0	72.0	101.0	50.8	70.2	13.4	10.0	7146.9	4444.3
62	251M1062	3.0	73.0	108.0	65.9	70.3	11.6	9.0	7088.7	3617.1
14	251M1014	1.0	70.0	95.0	48.1	69.4	6.1	3.5	7082.2	3845.5
109	251M1109	1.0	70.0	94.0	48.4	72.1	2.9	1.9	7064.0	4234.0
139	251M1139	1.0	73.0	94.0	67.1	70.8	9.1	7.2	7047.9	2951.9
122	251M1122	1.0	70.0	92.0	61.6	70.8	14.8	12.2	7009.2	3248.6
69	251M1069	1.0	73.0	110.0	61.8	71.3	10.8	8.5	6994.9	3953.8
142	251M1142	3.0	71.0	89.0	65.1	70.8	10.0	6.6	6970.2	4395.5
78	251M1078	1.0	73.0	109.0	56.0	70.7	6.1	4.5	6920.1	3822.1
8	251M1008	1.0	70.0	93.0	46.0	70.8	4.4	2.0	6913.5	4302.1
56	251M1056	3.0	71.0	99.0	60.7	72.6	6.9	6.0	6885.5	4281.7
131	251M1131	3.0	72.0	94.0	64.0	70.4	9.2	5.9	6872.6	4371.9
28	251M1028	3.0	75.0	101.0	60.8	72.2	8.0	4.2	6871.6	3742.6
77	251M1077	1.0	70.0	104.0	57.6	71.2	3.8	2.6	6855.4	3613.3
43	251M1043	3.0	70.0	96.0	54.2	70.4	11.6	10.9	6848.6	3258.6
44	251M1044	3.0	75.0	100.0	63.6	70.6	11.8	7.9	6843.9	3208.7
150	Venus	3.0	70.0	96.0	64.1	69.4	5.9	3.1	6823.4	4686.2
90	251M1090	3.0	71.0	93.0	65.1	71.2	12.6	10.4	6734.7	3039.2
49	251M1049	1.0	70.0	102.0	33.7	69.7	4.6	4.0	6693.3	3678.6
147	251M1147	3.0	73.0	96.0	67.0	71.7	12.2	9.6	6661.3	3059.0
126	251M1126	1.0	73.0	102.0	60.9	69.2	15.5	12.1	6630.3	3005.7
15	251M1015	3.0	72.0	89.0	63.7	71.9	6.4	6.1	6622.3	3977.8
38	251M1038	3.0	72.0	98.0	52.9	68.9	11.1	6.3	6581.0	2476.0
75	251M1075	1.0	70.0	96.0	43.7	70.6	11.9	8.3	6556.9	2505.0
58	251M1058	1.0	75.0	106.0	66.8	72.5	6.6	5.6	6536.9	4453.9
96	251M1096	3.0	75.0	96.0	66.9	70.6	8.5	5.5	6487.3	3683.9
9	251M1009	3.0	70.0	100.0	49.1	70.5	4.6	3.1	6460.6	3651.9
91	251M1091	3.0	70.0	102.0	62.9	71.3	10.6	8.2	6442.8	3184.3
71	251M1071	1.0	70.0	106.0	58.4	69.9	9.7	6.8	6436.6	3468.6
114	251M1114	3.0	69.0	95.0	40.8	71.4	5.0	3.4	6384.1	3405.9
115	251M1115	3.0	69.0	94.0	61.4	71.8	7.3	4.0	6364.0	4089.0
13	251M1013	1.0	73.0	96.0	43.0	70.5	4.3	3.1	6358.4	3474.9
45	251M1045	3.0	72.0	95.0	51.9	71.0	8.9	6.6	6324.4	3402.6
67	251M1067	3.0	73.0	102.0	51.8	72.2	7.4	7.0	6320.1	4489.2
46	251M1046	3.0	69.0	88.0	57.7	72.6	7.4	4.5	6242.2	2682.3
10	251M1010	3.0	72.0	90.0	59.1	70.5	7.4	4.3	6083.0	3389.3
76	251M1076	1.0	72.0	101.0	35.0	71.1	4.4	2.8	6050.1	3758.8
132	251M1132	3.0	72.0	97.0	65.1	70.4	15.4	11.6	6012.8	3086.2
134	251M1134	3.0	72.0	98.0	64.1	70.5	13.5	11.5	5993.1	3336.4
25	251M1025	3.0	73.0	96.0	65.5	71.7	7.7	6.3	5892.3	3009.6
100	251M1100	3.0	70.0	94.0	61.5	70.9	11.7	8.4	5861.4	3585.0
39	251M1039	3.0	72.0	99.0	36.1	64.0	17.6	13.7	5741.3	3331.0
31	251M1031	3.0	76.0	96.0	64.0	70.2	12.8	6.8	5692.3	3379.2
51	251M1051	3.0	71.0	97.0	58.6	69.7	15.4	13.0	5524.2	3407.1
112	251M1112	1.0	69.0	101.0	51.1	69.2	7.4	4.7	5496.7	3731.0

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Clearfield Preliminary Yield Trials

The Clearfield Preliminary Yield (CLPY) trials consist primarily of promising breeding nursery material that is ready to be tested in replicated yield trials. The material in these trials was screened for agronomic and grain characteristics in nurseries prior to this phase of testing. Promising experimental lines were evaluated for seedling vigor, maturity, plant height, lodging resistance, grain yield of main and ratoon crops, and disease resistance.

Trials were conducted using standard agronomic practices (except that fungicides were not applied) at the H. Rouse Caffey Rice Research Station (HRCRRS), Rayne, LA. A complete randomized design with one replication was applied to arrange test entries. The plot size was 4.66 x 16.5 ft. Seeding rate was 75 lb/A. Planting and harvesting dates are found in Table 1, while entry number, herbicide type, pedigree, grain type, and source for both tests are in Table 2. Data is presented for the long-grain tests in Tables 3 and 4 and medium-grain tests in Tables 5 and 6 in order of descending yield (lb/A).

Table 1. Planting and harvesting dates for the 2025 Clearfield Preliminary Yield trials.

Location	Trial	Planting	Harvesting
HRCRRS	CLPYL	3/6	7/21
	CLPYL – Late Planting	4/4	8/2
	CLPYM	3/6	7/29
	CLPYM – Late Planting	4/4	8/7

Table 2. Entry number, pedigree, grain type, and source information for entries in the 2025 Clearfield Preliminary Yield trials.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	1	252L1001	RU2002122/RU1602195	LG HI	LAES
CL	2	252L1002	RU1902162/AddiJo	LG HI	LAES
CL	3	252L1003	RU1902162/AddiJo	LG HI	LAES
CL	4	252L1004	RU1902162/AddiJo	LG HI	LAES
CL	5	252L1005	RU1902162/AddiJo	LG HI	LAES
CL	6	252L1006	RU1902162/AddiJo	LG HI	LAES
CL	7	252L1007	CL153/AddiJo	LG HI	LAES
CL	8	252L1008	202L1292/RU2002182	LG	LAES
CL	9	252L1009	202L1292/RU2002182	LG	LAES
CL	10	252L1010	201L1159/CLL19	LG	LAES
CL	11	252L1011	201L1159/CLL19	LG	LAES
CL	12	252L1012	201L1159/CLL19	LG	LAES
CL	13	252L1013	201L1159/CLL19	LG	LAES
CL	14	252L1014	RU2102030/192L2050	LG HI	LAES
CL	15	252L1015	RU2102030/RU1702183	LG HI	LAES
CL	16	252L1016	CLL19/RU2102030	LG HI	LAES
CL	17	252L1017	CLL19/RU2102030	LG HI	LAES
CL	18	252L1018	CLL15/RU2102030	LG HI	LAES
CL	19	252L1019	CLL15/RU2102030	LG HI	LAES
CL	20	252L1020	CLL19/RU1702183	LG	LAES
CL	21	252L1021	RU1902034/192L1072	LG	LAES
CL	22	252L1022	CLL19/RU2102217	LG	LAES
CL	23	252L1023	CLL19/RU2102217	LG	LAES
CL	24	252L1024	CLL19/RU2102217	LG	LAES
CL	25	252L1025	CL153/RU2102222	LG	LAES
CL	26	252L1026	CL153/RU2102222	LG	LAES
CL	27	252L1027	CL153/RU2102222	LG	LAES
CL	28	252L1028	CL153/RU2102222	LG	LAES
CL	29	252L1029	RU1902034/192L2050	LG	LAES
CL	30	252L1030	RU1902034/192L2050	LG	LAES
CL	31	252L1031	201L1159/RU2102158	LG HI	LAES
CL	32	252L1032	201L1159/RU2102158	LG HI	LAES
CL	33	252L1033	201L1159/RU2102158	LG HI	LAES
CL	34	252L1034	201L1159/RU2102158	LG	LAES
CL	35	252L1035	201L1159/RU2102158	LG HI	LAES
CL	36	252L1036	202L1480/CLL18	LG	LAES
CL	37	252L1037	202L1480/CLL18	LG	LAES
CL	38	252L1038	202L1480/CLL18	LG	LAES
CL	39	252L1039	202L1480/CLL18	LG	LAES
CL	40	252L1040	202L1480/CLL18	LG	LAES
CL	41	252L1041	CLL19/202L1480	LG	LAES
CL	42	252L1042	CLL19/202L1480	LG	LAES
CL	43	252L1043	CLL19/202L1480	LG	LAES
CL	44	252L1044	CLL19/202L1480	LG	LAES
CL	45	252L1045	CLL19/202L1480	LG	LAES
CL	46	252L1046	CLL19/202L1480	LG	LAES
CL	47	252L1047	CLL19/202L1480	LG	LAES
CL	48	252L1048	CLL19/202L1480	LG	LAES
CL	49	252L1049	CLL19/202L1480	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	50	252L1050	RU2102222/202L1120	LG	LAES
CL	51	252L1051	RU2102222/202L1120	LG	LAES
CL	52	252L1052	RU2102222/202L1120	LG	LAES
CL	53	252L1053	RU2102222/202L1120	LG	LAES
CL	54	252L1054	RU2102222/202L1120	LG	LAES
CL	55	252L1055	RU2102222/202L1120	LG	LAES
CL	56	252L1056	RU2102222/202L1120	LG	LAES
CL	57	252L1057	RU2102222/202L1120	LG	LAES
CL	58	252L1058	RU2102222/202L1120	LG	LAES
CL	59	252L1059	RU2102222/202L1120	LG	LAES
CL	60	252L1060	RU2102222/202L1120	LG	LAES
CL	61	252L1061	RU2102222/202L1120	LG	LAES
CL	62	252L1062	RU2102222/202L1120	LG	LAES
CL	63	252L1063	RU2102222/202L1120	LG	LAES
CL	64	252L1064	RU2102222/202L1120	LG	LAES
CL	65	252L1065	202L1480/CLL16	LG	LAES
CL	66	252L1066	202L1480/CLL16	LG	LAES
CL	67	252L1067	202L1480/CLL16	LG	LAES
CL	68	252L1068	202L1480/CLL16	LG	LAES
CL	69	252L1069	202L1480/CLL16	LG	LAES
CL	70	252L1070	202L1480/CLL16	LG	LAES
CL	71	252L1071	RU2102222/202L1480	LG	LAES
CL	72	252L1072	RU2102222/202L1480	LG	LAES
CL	73	252L1073	RU2102222/202L1480	LG	LAES
CL	74	252L1074	RU2102222/202L1480	LG	LAES
CL	75	252L1075	RU2102222/202L1480	LG	LAES
CL	76	252L1076	RU2102222/202L1480	LG	LAES
CL	77	252L1077	RU2102222/202L1480	LG	LAES
CL	78	252L1078	RU2102222/202L1480	LG	LAES
CL	79	252L1079	RU2102030/RU2102222	LG HI	LAES
CL	80	252L1080	RU2102030/RU2102222	LG HI	LAES
CL	81	252L1081	RU2102030/RU2102222	LG HI	LAES
CL	82	252L1082	RU2102030/RU2102222	LG HI	LAES
CL	83	252L1083	RU2102030/RU2102222	LG HI	LAES
CL	84	252L1084	RU2102030/RU2102222	LG HI	LAES
CL	85	252L1085	RU2102030/RU2102222	LG HI	LAES
CL	86	252L1086	RU2102030/RU2102222	LG HI	LAES
CL	87	252L1087	RU2102030/RU2102222	LG HI	LAES
CL	88	252L1088	RU2102030/RU2102222	LG HI	LAES
CL	89	252L1089	RU2102207/202L2109	AL	LAES
CL	90	252L1090	RU2102207/202L2109	AL	LAES
CL	91	252L1091	RU2102207/202L2109	AL	LAES
CL	92	252L1092	RU2102207/202L2109	AL	LAES
CL	93	252L1093	RU2102207/202L2109	AL	LAES
CL	94	252L1094	RU2102207/202L2109	AL	LAES
CL	95	252L1095	RU2102207/202L2109	AL	LAES
CL	96	252L1096	RU2102207/202L2109	AL	LAES
CL	97	252L1097	RU2102207/202L2109	AL	LAES
CL	98	252L1098	RU2102207/202L2109	AL	LAES
CL	99	252L1099	RU2102217/201L1288	LG	LAES
CL	100	252L1100	RU2102217/201L1288	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	101	252L1101	RU2102217/201L1288	LG	LAES
CL	102	252L1102	RU2102217/201L1288	LG	LAES
CL	103	252L1103	RU2102217/201L1288	LG	LAES
CL	104	252L1104	RU2102217/201L1288	LG	LAES
CL	105	252L1105	RU2102217/201L1288	LG	LAES
CL	106	252L1106	RU2102217/201L1288	LG	LAES
CL	107	252L1107	RU2102217/201L1288	LG	LAES
CL	108	252L1108	Avant/CLL18	LG	LAES
CL	109	252L1109	Avant/CLL18	LG	LAES
CL	110	252L1110	Avant/CLL18	LG	LAES
CL	111	252L1111	Avant/CLL18	LG	LAES
CL	112	252L1112	Avant/CLL18	LG	LAES
CL	113	252L1113	Avant/CLL18	LG	LAES
CL	114	252L1114	Avant/CLL18	LG	LAES
CL	115	252L1115	Avant/CLL18	LG	LAES
CL	116	252L1116	RU1601010/RU2102217	LG	LAES
CL	117	252L1117	RU1601010/RU2102217	LG	LAES
CL	118	252L1118	RU1601010/RU2102217	LG	LAES
CL	119	252L1119	RU1601010/CLL18	LG	LAES
CL	120	252L1120	RU1601010/CLL18	LG	LAES
CL	121	252L1121	RU1601010/CLL18	LG	LAES
CL	122	252L1122	RU1601010/CLL18	LG	LAES
CL	123	252L1123	RU1601010/CLL18	LG	LAES
CL	124	252L1124	RU1601010/CLL18	LG	LAES
CL	125	252L1125	RU1601010/CLL18	LG	LAES
CL	126	252L1126	RU1601010/CLL18	LG	LAES
CL	127	252L1127	RU1601010/CLL18	LG	LAES
CL	128	252L1128	RU1601010/CLL16	LG	LAES
CL	129	252L1129	RU1601010/CLL16	LG	LAES
CL	130	252L1130	RU1601010/CLL16	LG	LAES
CL	131	252L1131	RU1601010/CLL16	LG	LAES
CL	132	252L1132	RU1601010/CLL16	LG	LAES
CL	133	252L1133	RU1601010/CLL16	LG	LAES
CL	134	252L1134	RU1601010/CLL16	LG	LAES
CL	135	252L1135	RU2102217/Avant	LG	LAES
CL	136	252L1136	RU2102217/Avant	LG	LAES
CL	137	252L1137	RU2102217/Avant	LG	LAES
CL	138	252L1138	RU2102217/Avant	LG	LAES
CL	139	252L1139	RU2102217/Avant	LG	LAES
CL	140	252L1140	RU2102217/Avant	LG	LAES
CL	141	252L1141	RU2102217/Avant	LG	LAES
CL	142	252L1142	RU2102217/Avant	LG	LAES
CL	143	252L1143	RU2102217/Avant	LG	LAES
CL	144	252L1144	RU2102217/Avant	LG	LAES
CL	145	252L1145	RU2102217/Avant	LG	LAES
CL	146	252L1146	Ozark/RU2102217	LG	LAES
CL	147	252L1147	Ozark/RU2102217	LG	LAES
CL	148	252L1148	Ozark/RU2102217	LG	LAES
CL	149	252L1149	Ozark/RU2102217	LG	LAES
CL	150	252L1150	Ozark/RU2102217	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	151	252L1151	Ozark/RU2102217	LG	LAES
CL	152	252L1152	201L1051/RU2102217	LG	LAES
CL	153	252L1153	201L1051/RU2102217	LG	LAES
CL	154	252L1154	201L1051/RU2102217	LG	LAES
CL	155	252L1155	201L1051/RU2102217	LG	LAES
CL	156	252L1156	201L1051/RU2102217	LG	LAES
CL	157	252L1157	201L1051/RU2102217	LG	LAES
CL	158	252L1158	201L1051/RU2102217	LG	LAES
CL	159	252L1159	201L1051/RU2102217	LG	LAES
CL	160	252L1160	201L1051/RU2102217	LG	LAES
CL	161	252L1161	201L1051/RU2102217	LG	LAES
CL	162	252L1162	201L1051/RU2102217	LG	LAES
CL	163	252L1163	201L1324/CLL16	LG	LAES
CL	164	252L1164	201L1324/CLL16	LG	LAES
CL	165	252L1165	201L1324/CLL16	LG	LAES
CL	166	252L1166	201L1324/CLL16	LG	LAES
CL	167	252L1167	201L1324/CLL16	LG	LAES
CL	168	252L1168	201L1324/CLL16	LG	LAES
CL	169	252L1169	202L1480/201L1288	LG	LAES
CL	170	252L1170	202L1480/201L1288	LG	LAES
CL	171	252L1171	202L1480/201L1288	LG	LAES
CL	172	252L1172	202L1480/201L1288	LG	LAES
CL	173	252L1173	202L1480/201L1288	LG	LAES
CL	174	252L1174	202L1480/201L1288	LG	LAES
CL	175	252L1175	202L1480/201L1288	LG	LAES
CL	176	252L1176	202L1480/201L1288	LG	LAES
CL	177	252L1177	202L1480/201L1288	LG	LAES
CL	178	252L1178	Frontiere/RU2102222	LG	LAES
CL	179	252L1179	Frontiere/CLL19	LG	LAES
CL	180	252L1180	Frontiere/CLL19	LG	LAES
CL	181	252L1181	Mermentau/CLL16	LG	LAES
CL	182	252L1182	Mermentau/CLL16	LG	LAES
CL	183	252L1183	Mermentau/CLL16	LG	LAES
CL	184	252L1184	202L1534/Avant	LG	LAES
CL	185	252L1185	RU2102122/RU2102222	LG	LAES
CL	186	252L1186	RU2102122/RU2102222	LG	LAES
CL	187	252L1187	RU2102122/RU2102222	LG	LAES
CL	188	252L1188	RU2102122/RU2102222	LG	LAES
CL	189	252L1189	RU2102122/RU2102222	LG	LAES
CL	190	252L1190	RU2102122/RU2102222	LG	LAES
CL	191	252L1191	RU2102122/RU2102222	LG	LAES
CL	192	252L1192	RU2102122/RU2102222	LG	LAES
CL	193	252L1193	CLL16/RU2102122	LG	LAES
CL	194	252L1194	CLL16/RU2102122	LG	LAES
CL	195	252L1195	CLL16/RU2102122	LG	LAES
CL	196	252L1196	CLL16/RU2102122	LG	LAES
CL	197	252L1197	RU2102030/201L1288	LG HI	LAES
CL	198	252L1198	RU2102030/201L1288	LG HI	LAES
CL	199	252L1199	RU2102030/201L1288	LG HI	LAES
CL	200	252L1200	RU2102030/201L1288	LG HI	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	201	252L1201	RU2102030/201L1288	LG HI	LAES
CL	202	252L1202	RU2102030/201L1288	LG HI	LAES
CL	203	252L1203	201L1324/RU2102030	LG HI	LAES
CL	204	252L1204	201L1324/RU2102030	LG HI	LAES
CL	205	252L1205	201L1324/RU2102030	LG HI	LAES
CL	206	252L1206	201L1324/RU2102030	LG HI	LAES
CL	207	252L1207	201L1324/RU2102030	LG HI	LAES
CL	208	252L1208	202L1120/AddiJo	LG HI	LAES
CL	209	252L1209	202L1120/AddiJo	LG HI	LAES
CL	210	252L1210	202L1120/AddiJo	LG HI	LAES
CL	211	252L1211	CLHA03/RU2102037	LG HI	LAES
CL	212	252L1212	CLHA03/RU2102037	LG HI	LAES
CL	213	252L1213	CLHA03/RU2102037	LG HI	LAES
CL	214	252L1214	CLHA03/RU2102037	LG HI	LAES
CL	215	252L1215	CLHA03/RU2102037	LG HI	LAES
CL	216	252L1216	CLHA03/RU2102037	LG HI	LAES
CL	217	252L1217	CLHA03/RU2102037	LG HI	LAES
CL	218	252L1218	CLHA03/RU2102037	LG HI	LAES
CL	219	252L1219	CLHA03/201L1251	LG HI	LAES
CL	220	252L1220	CLHA03/201L1251	LG HI	LAES
CL	221	252L1221	CLHA03/201L1251	LG HI	LAES
CL	222	252L1222	CLHA03/201L1251	LG HI	LAES
CL	223	252L1223	CLHA03/201L1251	LG	LAES
CL	224	252L1224	RU2102030/201L1251	LG HI	LAES
CL	225	252L1225	RU2102030/201L1251	LG HI	LAES
CL	226	252L1226	RU2102030/201L1251	LG HI	LAES
CL	227	252L1227	RU2102030/201L1251	LG HI	LAES
CL	228	252L1228	RU2102030/201L1251	LG HI	LAES
CL	229	252L1229	RU2102030/201L1251	LG HI	LAES
CL	230	252L1230	RU2102030/201L1251	LG HI	LAES
CL	231	252L1231	Avant/202L2082	LG HI	LAES
CL	232	252L1232	Avant/202L2082	LG HI	LAES
CL	233	252L1233	Avant/202L2082	LG HI	LAES
CL	234	252L1234	RU1902207/202L2082	LG HI	LAES
CL	235	252L1235	RU1902207/202L2082	LG HI	LAES
CL	236	252L1236	RU1902207/202L2082	LG HI	LAES
CL	237	252L1237	202L2141/Ozark	LG HI	LAES
CL	238	252L1238	CLHA03/AddiJo	LG HI	LAES
CL	239	252L1239	AddiJo/202L2109	LG HI	LAES
CL	240	252L1240	AddiJo/202L2109	LG HI	LAES
CL	241	252L1241	AddiJo/202L2109	LG HI	LAES
CL	242	252L1242	201L1148/AddiJo	LG HI	LAES
CL	243	252L1243	201L1148/AddiJo	LG HI	LAES
CL	244	252L1244	201L1148/AddiJo	LG HI	LAES
CL	245	252L1245	201L1148/AddiJo	LG HI	LAES
CL	246	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES
CL	247	CLL18	RoyJ/CL142AR	LG	AAES
CL	248	CL153	RU9502008A//Ahrent/Cocodrie/3/CFX26/RU9702128/4/Cheniere	LG	LAES
CL	249	CLHA03	CL163/CL153	LG HI	LAES
CL	250	CLL16		LG	AAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	251	CL111	RU9502008A/Drew/2/CFX29//Kaybonnet/LA2013	LG	LAES
CL	252	CLL17	CL131/Trenasse	LG	LAES
CL	1	252M1001	CLM04/Jupiter	MG	LAES
CL	2	252M1002	CLM04/Jupiter	MG	LAES
CL	3	252M1003	CLM04/Jupiter	MG	LAES
CL	4	252M1004	Titan/RU1801238	MG	LAES
CL	5	252M1005	RU1801238/Jupiter	MG	LAES
CL	6	252M1006	RU1801238/Jupiter	MG	LAES
CL	7	252M1007	RU1801238/Jupiter	MG	LAES
CL	8	252M1008	181M1740/19-71535	MG	LAES
CL	9	252M1009	RU2002090/19-71535	MG	LAES
CL	10	252M1010	19-71469/RU1902227	MG	LAES
CL	11	252M1011	19-71535/RU2002094	MG	LAES
CL	12	252M1012	19-71535/RU2002094	MG	LAES
CL	13	252M1013	CLM04/RU1802174	MG	LAES
CL	14	252M1014	CLM04/RU1802174	MG	LAES
CL	15	252M1015	CLM04/RU1902174	MG	LAES
CL	16	252M1016	19-71469/CLM04	MG	LAES
CL	17	252M1017	19-71469/RU1902174	MG	LAES
CL	18	252M1018	RU1902174/Lynx	MG	LAES
CL	19	252M1019	RU1902174/Lynx	MG	LAES
CL	20	252M1020	RU1902174/RU2002090	MG	LAES
CL	21	252M1021	RU2002094/19-71469	MG	LAES
CL	22	252M1022	RU1801211/19-71469	MG	LAES
CL	23	252M1023	RU1902174/RU1801211	MG	LAES
CL	24	252M1024	19-71535/Titan	MG	LAES
CL	25	252M1025	RU1802174/19-71535	MG	LAES
CL	26	252M1026	RU2002094/CLM04	MG	LAES
CL	27	252M1027	RU2002094/CLM04	MG	LAES
CL	28	252M1028	19-71535/Jupiter	MG	LAES
CL	29	252M1029	19-71535/Jupiter	MG	LAES
CL	30	252M1030	RU1902174/RU1902227	MG	LAES
CL	31	252M1031	Jupiter/19-71469	MG	LAES
CL	32	252M1032	RU1902174/Jupiter	MG	LAES
CL	33	252M1033	RU1902174/RU2002094	MG	LAES
CL	34	252M1034	RU1902174/RU2002094	MG	LAES
CL	35	252M1035	19-71469/RU2002090	MG	LAES
CL	36	252M1036	Jupiter/CLM04	MG	LAES
CL	37	252M1037	Jupiter/CLM04	MG	LAES
CL	38	252M1038	Jupiter/CLM04	MG	LAES
CL	39	252M1039	RU1902174/RU1802174	MG	LAES
CL	40	252M1040	Taurus/CLM04	MG	LAES
CL	41	252M1041	Taurus/CLM04	MG	LAES
CL	42	252M1042	202M1133/BBC41-2	MG	LAES
CL	43	252M1043	202M1133/BBC41-2	MG	LAES
CL	44	252M1044	RU1801211/19-71535	MG	LAES
CL	45	252M1045	181M1740/RU1902174	MG	LAES
CL	46	252M1046	181M1740/RU1902174	MG	LAES
CL	47	252M1047	181M1740/RU1902174	MG	LAES
CL	48	252M1048	181M1740/CLM04	MG	LAES
CL	49	252M1049	181M1740/CLM04	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	50	252M1050	181M1740/CLM04	MG	LAES
CL	51	252M1051	BBC25-1/Venus	MG	LAES
CL	52	252M1052	BBC30-1/RU2102066	MG	LAES
CL	53	252M1053	BBC30-1/RU2102066	MG	LAES
CL	54	252M1054	BBC41-2/RU1801238	MG	LAES
CL	55	252M1055	202M1133/201M1065	MG	LAES
CL	56	252M1056	202M1133/201M1065	MG	LAES
CL	57	252M1057	202M1133/201M1065	MG	LAES
CL	58	252M1058	202M1133/201M1065	MG	LAES
CL	59	252M1059	202M1133/201M1065	MG	LAES
CL	60	252M1060	BBC30-1/CLM04	MG	LAES
CL	61	252M1061	BBC30-1/CLM04	MG	LAES
CL	62	252M1062	BBC30-1/BBC27-1	MG	LAES
CL	63	252M1063	BBC27-1/Lynx	MG	LAES
CL	64	252M1064	BBC27-1/Lynx	MG	LAES
CL	65	252M1065	BBC18-2/Taurus	MG	LAES
CL	66	252M1066	BBC30-1/Taurus	MG	LAES
CL	67	252M1067	BBC30-1/Taurus	MG	LAES
CL	68	252M1068	BBC30-1/Taurus	MG	LAES
CL	69	252M1069	Venus/RU2202037	MG	LAES
CL	70	252M1070	Venus/RU2202037	MG	LAES
CL	71	252M1071	Venus/RU2202037	MG	LAES
CL	72	252M1072	Venus/RU2202037	MG	LAES
CL	73	252M1073	BBC18-2/191M1192	MG	LAES
CL	74	252M1074	BBC18-2/191M1192	MG	LAES
CL	75	252M1075	BBC25-1/Taurus	MG	LAES
CL	76	252M1076	Lynx/BBC18-2	MG	LAES
CL	77	252M1077	Lynx/BBC18-2	MG	LAES
CL	78	252M1078	202M1133/RU2202037	MG	LAES
CL	79	252M1079	202M1133/RU2202037	MG	LAES
CL	80	252M1080	202M1133/RU2202037	MG	LAES
CL	81	252M1081	202M1133/RU2202037	MG	LAES
CL	82	252M1082	202M1133/RU2202037	MG	LAES
CL	83	252M1083	Titan/RU2202037	MG	LAES
CL	84	252M1084	Titan/RU2202037	MG	LAES
CL	85	252M1085	CLM04/RU2102066	MG	LAES
CL	86	252M1086	CLM04/RU2102066	MG	LAES
CL	87	252M1087	CLM04/RU2102066	MG	LAES
CL	88	252M1088	CLM04/RU2102066	MG	LAES
CL	89	252M1089	CLM04/RU2102066	MG	LAES
CL	90	252M1090	CLM04/RU2102066	MG	LAES
CL	91	252M1091	CLM04/RU2102066	MG	LAES
CL	92	252M1092	201M1065/RU2202037	MG	LAES
CL	93	252M1093	201M1065/RU2202037	MG	LAES
CL	94	252M1094	201M1065/RU2202037	MG	LAES
CL	95	252M1095	201M1065/RU2202037	MG	LAES
CL	96	252M1096	201M1065/RU2202037	MG	LAES
CL	97	252M1097	202M1133/202M1143	MG	LAES
CL	98	252M1098	202M1133/202M1143	MG	LAES
CL	99	252M1099	202M1133/202M1143	MG	LAES
CL	100	252M1100	202M1133/202M1143	MG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	101	252M1101	202M1133/202M1143	MG	LAES
CL	102	252M1102	202M1133/202M1143	MG	LAES
CL	103	252M1103	202M1133/202M1143	MG	LAES
CL	104	252M1104	CLM04/202M1133	MG	LAES
CL	105	252M1105	CLM04/202M1133	MG	LAES
CL	106	252M1106	CLM04/202M1133	MG	LAES
CL	107	252M1107	CLM04/202M1133	MG	LAES
CL	108	252M1108	CLM04/202M1133	MG	LAES
CL	109	252M1109	CLM04/202M1133	MG	LAES
CL	110	252M1110	CLM04/202M1133	MG	LAES
CL	111	252M1111	CLM04/202M1133	MG	LAES
CL	112	252M1112	CLM04/202M1133	MG	LAES
CL	113	252M1113	202M1143/RU2202037	MG	LAES
CL	114	252M1114	202M1143/RU2202037	MG	LAES
CL	115	252M1115	202M1143/RU2202037	MG	LAES
CL	116	252M1116	202M1143/RU2202037	MG	LAES
CL	117	252M1117	202M1143/RU2202037	MG	LAES
CL	118	252M1118	202M1143/RU2202037	MG	LAES
CL	119	252M1119	202M1143/RU2202037	MG	LAES
CL	120	252M1120	202M1143/RU2202037	MG	LAES
CL	121	252M1121	202M1143/RU2202037	MG	LAES
CL	122	252M1122	CLM04/Venus	MG	LAES
CL	123	252M1123	CLM04/Venus	MG	LAES
CL	124	252M1124	CLM04/Venus	MG	LAES
CL	125	252M1125	CLM04/Venus	MG	LAES
CL	126	252M1126	CLM04/Venus	MG	LAES
CL	127	252M1127	CLM04/Venus	MG	LAES
CL	128	252M1128	CLM04/Venus	MG	LAES
CL	129	252M1129	CLM04/Venus	MG	LAES
CL	130	252M1130	CLM04/Venus	MG	LAES
CL	131	252M1131	RU2202037/RU2102066	MG	LAES
CL	132	252M1132	RU2202037/RU2102066	MG	LAES
CL	133	252M1133	RU2202037/RU2102066	MG	LAES
CL	134	252M1134	RU2202037/RU2102066	MG	LAES
CL	135	252M1135	RU2202037/RU2102066	MG	LAES
CL	136	252M1136	RU2202037/RU2102066	MG	LAES
CL	137	252M1137	RU2202037/RU2102066	MG	LAES
CL	138	252M1138	RU2202037/RU2102066	MG	LAES
CL	139	252M1139	RU2202037/RU2102066	MG	LAES
CL	140	252M1140	202M1133/201M1122	MG	LAES
CL	141	252M1141	202M1133/201M1122	MG	LAES
CL	142	252M1142	202M1133/201M1122	MG	LAES
CL	143	252M1143	202M1133/201M1122	MG	LAES
CL	144	252M1144	202M1133/201M1122	MG	LAES
CL	145	252M1145	202M1133/201M1122	MG	LAES
CL	146	252M1146	202M1133/201M1122	MG	LAES
CL	147	252M1147	202M1133/201M1122	MG	LAES
CL	148	252M1148	202M1133/201M1122	MG	LAES
CL	149	CLM04	RU1202168/Jupiter	MG	AAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
CL	150	CLM05	CLM05-female parent/CLM05-male	MG	AAES

* Herbicide Type – Clearfield (CL), Conventional (CN), Provisia (PV), Segregating (Seg).

[†] LG = Long grain, LG HI = Long-grain high-amylose Dixiebelle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

[‡] LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain and milling yields and agronomic performance of entries in the 2025 Clearfield Preliminary Yield Long-Grain trial. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
122	252L1122	3.0	79.0	108.0	62.4	71.8	26.2	25.1	12669.6	3082.9
117	252L1117	5.0	75.0	96.0	64.9	72.6	21.6	19.8	12392.7	3866.0
224	252L1224	5.0	76.0	100.0	67.6	74.2	18.0	15.8	12143.2	3502.7
126	252L1126	5.0	79.0	107.0	63.0	72.1	28.2	25.8	12131.7	3083.5
129	252L1129	5.0	76.0	108.0	64.1	72.4	14.4	11.2	12124.2	3950.9
247	CLL18	5.0	80.0	105.0	61.7	70.6	25.5	23.7	11870.4	2934.3
123	252L1123	3.0	79.0	102.0	64.7	72.4	22.9	21.0	11858.2	3373.2
82	252L1082	7.0	76.0	92.0	70.0	74.2	17.0	14.7	11803.6	4402.5
131	252L1131	5.0	81.0	106.0	63.9	72.3	14.9	12.4	11779.7	2352.1
124	252L1124	3.0	79.0	108.0	63.4	72.2	28.5	27.7	11724.5	2940.3
76	252L1076	5.0	75.0	91.0	70.9	75.7	11.0	9.0	11704.9	4620.5
50	252L1050	5.0	76.0	101.0	66.9	73.9	18.8	16.0	11703.3	3516.5
132	252L1132	5.0	79.0	115.0	61.4	72.1	18.2	14.9	11691.9	3374.2
154	252L1154	3.0	76.0	95.0	61.6	72.5	19.7	17.2	11626.3	3727.0
125	252L1125	5.0	79.0	103.0	62.6	70.6	23.5	22.5	11618.3	2910.4
188	252L1188	5.0	79.0	99.0	69.0	74.0	17.7	15.4	11584.9	3959.7
171	252L1171	5.0	75.0	96.0	64.8	73.6	19.8	17.4	11553.3	4097.5
156	252L1156	5.0	78.0	94.0	63.9	73.6	21.0	18.5	11537.5	4309.5
162	252L1162	5.0	78.0	86.0	61.7	72.1	21.2	17.6	11507.3	3008.4
225	252L1225	5.0	79.0	96.0	67.7	72.0	20.2	13.5	11481.2	3263.5
134	252L1134	5.0	80.0	100.0	66.6	73.2	16.7	13.8	11462.4	3112.5
121	252L1121	5.0	80.0	103.0	64.8	72.6	28.2	26.7	11407.2	2855.5
67	252L1067	5.0	80.0	110.0	64.6	73.3	18.2	14.3	11379.1	3774.3
211	252L1211	3.0	80.0	96.0	65.2	71.7	19.7	15.8	11369.9	2486.7
62	252L1062	3.0	77.0	105.0	65.2	72.8	13.9	10.1	11355.8	3998.1
160	252L1160	3.0	79.0	95.0	65.5	73.4	25.6	22.6	11351.7	3975.5
73	252L1073	5.0	77.0	100.0	69.5	73.6	15.7	12.6	11322.3	3266.4
109	252L1109	5.0	79.0	92.0	65.2	72.7	24.0	23.1	11312.6	3572.0
158	252L1158	5.0	79.0	91.0	65.4	73.6	22.7	21.1	11296.6	4006.3
130	252L1130	3.0	80.0	103.0	60.2	70.5	18.9	15.7	11267.5	2927.9
78	252L1078	5.0	75.0	93.0	70.2	74.6	16.4	13.8	11246.3	4670.7
113	252L1113	3.0	74.0	90.0	65.6	72.4	22.6	21.6	11224.3	3604.5
23	252L1023	5.0	75.0	91.0	58.8	72.6	21.8	21.5	11219.4	3395.5
119	252L1119	3.0	78.0	107.0	66.3	73.1	19.8	18.1	11212.4	3789.2
147	252L1147	5.0	79.0	97.0	64.3	71.5	21.1	18.8	11201.2	3294.6
202	252L1202	5.0	79.0	100.0	70.6	73.9	16.4	11.0	11172.4	3424.9
181	252L1181	5.0	78.0	105.0	64.4	72.5	14.4	12.3	11144.5	3199.0
228	252L1228	5.0	76.0	106.0	69.0	73.5	14.7	9.3	11115.1	3122.5
185	252L1185	5.0	79.0	90.0	69.0	73.9	15.6	11.9	11108.5	3398.8
28	252L1028	5.0	80.0	96.0	70.6	73.9	11.3	7.7	11098.8	4014.0
133	252L1133	3.0	80.0	100.0	61.0	70.9	16.7	13.8	11087.4	3065.4
83	252L1083	5.0	77.0	105.0	71.0	74.2	13.6	9.6	11076.5	4061.6
186	252L1186	5.0	78.0	92.0	71.4	75.5	10.8	8.3	11063.2	4203.4
250	CLL16	5.0	82.0	101.0	63.9	71.6	17.1	13.8	11060.0	2105.3
219	252L1219	5.0	80.0	99.0	65.8	73.7	18.6	15.2	11043.5	3279.4
120	252L1120	3.0	77.0	100.0	63.4	71.6	20.7	19.1	11038.1	3799.2
207	252L1207	3.0	76.0	103.0	69.5	74.4	20.3	18.6	11022.4	3664.7
213	252L1213	5.0	82.0	95.0	68.1	72.6	-	-	11020.0	3018.0
222	252L1222	3.0	81.0	89.0	68.9	73.1	14.5	8.3	10992.7	3895.7

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
170	252L1170	3.0	75.0	100.0	68.2	74.3	15.8	15.0	10991.6	3675.1
64	252L1064	5.0	79.0	91.0	68.4	73.5	15.7	14.7	10986.7	3107.8
146	252L1146	7.0	78.0	105.0	65.8	73.8	15.3	12.1	10971.7	2920.0
66	252L1066	3.0	80.0	109.0	63.4	70.8	17.2	11.8	10967.3	3890.0
104	252L1104	5.0	75.0	98.0	63.8	73.6	22.4	19.3	10966.6	4161.5
71	252L1071	3.0	78.0	95.0	71.4	75.6	18.5	17.7	10966.1	3640.8
56	252L1056	3.0	78.0	99.0	71.2	74.7	17.6	16.8	10961.0	2980.0
37	252L1037	3.0	76.0	92.0	63.1	72.1	16.5	15.8	10945.1	4560.8
200	252L1200	3.0	77.0	90.0	70.1	73.6	18.8	13.7	10909.5	2967.1
216	252L1216	5.0	80.0	95.0	69.6	73.2	14.8	10.7	10902.6	4134.6
163	252L1163	3.0	77.0	97.0	65.2	72.7	16.9	15.3	10875.6	4464.5
39	252L1039	5.0	75.0	95.0	63.2	72.4	16.1	14.5	10873.6	2963.0
18	252L1018	5.0	79.0	95.0	70.6	74.3	18.6	14.6	10851.4	3300.4
227	252L1227	5.0	81.0	99.0	66.1	72.1	18.9	12.7	10851.4	3496.0
194	252L1194	5.0	80.0	87.0	60.3	70.4	22.3	21.8	10838.4	3394.2
114	252L1114	5.0	77.0	108.0	70.6	73.8	10.4	8.4	10823.4	3011.1
223	252L1223	5.0	78.0	102.0	64.7	72.5	25.1	21.9	10818.7	2676.2
58	252L1058	3.0	76.0	98.0	71.4	74.6	17.3	13.0	10811.2	4318.0
34	252L1034	5.0	79.0	91.0	61.6	72.1	21.6	17.5	10799.9	4239.7
115	252L1115	5.0	75.0	91.0	67.2	73.8	19.0	17.5	10792.2	3203.4
43	252L1043	5.0	77.0	106.0	64.6	71.1	10.2	6.8	10787.5	3588.8
25	252L1025	3.0	77.0	94.0	70.3	74.8	20.6	18.2	10778.5	3093.7
70	252L1070	5.0	77.0	102.0	64.9	73.6	18.8	16.0	10777.2	3432.7
174	252L1174	3.0	75.0	102.0	69.0	74.9	20.1	18.1	10763.0	3770.4
47	252L1047	3.0	75.0	96.0	64.6	73.1	17.6	13.6	10759.8	3802.9
240	252L1240	3.0	80.0	95.0	67.4	73.8	16.2	12.6	10755.6	3644.8
68	252L1068	5.0	77.0	111.0	63.7	72.9	22.5	21.7	10754.9	3461.5
229	252L1229	3.0	79.0	93.0	70.4	74.2	14.0	9.5	10753.4	3402.0
176	252L1176	3.0	77.0	97.0	69.3	73.4	14.2	8.2	10742.4	3991.8
38	252L1038	3.0	79.0	107.0	62.0	72.4	20.4	18.3	10742.2	3632.0
208	252L1208	3.0	80.0	91.0	67.2	73.3	17.8	14.6	10723.6	3168.0
77	252L1077	3.0	80.0	82.0	71.5	74.9	14.6	12.6	10721.4	3178.2
196	252L1196	5.0	77.0	97.0	67.8	73.4	12.7	9.3	10710.7	3631.0
230	252L1230	5.0	80.0	89.0	69.4	73.9	19.6	13.8	10699.6	3363.2
116	252L1116	3.0	76.0	83.0	64.8	73.4	22.4	21.8	10689.4	3643.4
61	252L1061	5.0	79.0	95.0	69.8	74.2	13.6	10.1	10685.1	4130.5
159	252L1159	3.0	77.0	100.0	62.1	71.8	20.8	17.4	10685.1	3937.4
51	252L1051	5.0	79.0	90.0	68.2	73.5	18.3	16.0	10672.0	2778.7
138	252L1138	5.0	76.0	79.0	62.9	72.6	19.7	17.9	10666.0	3670.9
75	252L1075	5.0	77.0	97.0	71.0	75.5	14.8	14.1	10654.0	3537.4
21	252L1021	5.0	77.0	95.0	66.4	72.9	21.9	19.9	10640.9	3520.5
217	252L1217	5.0	81.0	96.0	66.1	70.8	13.1	9.5	10640.4	3288.2
65	252L1065	3.0	80.0	107.0	69.0	74.4	10.6	7.6	10632.3	2655.6
152	252L1152	5.0	79.0	98.0	56.9	71.0	24.9	23.9	10628.4	2865.1
72	252L1072	3.0	75.0	109.0	68.4	74.0	15.3	11.3	10621.7	4217.2
57	252L1057	5.0	78.0	102.0	67.5	73.8	15.5	12.5	10609.6	3090.4
103	252L1103	5.0	79.0	95.0	61.6	71.8	20.1	17.9	10599.0	2627.3
234	252L1234	5.0	76.0	96.0	69.9	74.8	14.5	13.2	10586.7	3187.2
165	252L1165	5.0	76.0	110.0	63.6	73.5	19.9	16.6	10582.2	3121.1
27	252L1027	5.0	76.0	86.0	69.4	74.0	18.0	15.7	10573.1	4095.5
215	252L1215	7.0	81.0	102.0	66.5	72.6	14.5	10.2	10563.9	3451.3

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
177	252L1177	3.0	79.0	101.0	71.4	75.5	19.7	16.0	10557.9	3775.1
74	252L1074	5.0	75.0	93.0	69.4	74.0	16.8	16.2	10555.2	3211.3
141	252L1141	5.0	76.0	87.0	64.9	73.4	20.3	19.5	10552.3	4413.9
187	252L1187	5.0	77.0	93.0	69.2	73.9	13.6	12.0	10544.8	3953.4
189	252L1189	5.0	79.0	90.0	71.5	74.9	11.3	7.4	10525.8	3833.3
108	252L1108	5.0	79.0	86.0	69.3	73.5	14.5	12.0	10514.2	3431.4
44	252L1044	5.0	78.0	95.0	66.6	72.9	15.9	11.5	10511.2	3891.7
246	CLL19	5.0	75.0	94.0	67.0	72.8	20.0	17.0	10504.6	3800.6
168	252L1168	7.0	79.0	105.0	65.1	72.5	15.2	12.2	10500.8	3220.1
226	252L1226	5.0	79.0	95.0	68.4	72.7	13.1	7.6	10497.3	2808.5
249	CLHA03	5.0	81.0	97.0	68.4	72.8	14.2	10.8	10495.3	3323.6
205	252L1205	3.0	77.0	100.0	72.3	76.2	17.1	10.5	10484.4	3135.4
201	252L1201	3.0	75.0	92.0	65.4	71.1	16.3	11.3	10480.6	4173.4
199	252L1199	3.0	76.0	95.0	69.7	73.9	17.8	12.2	10463.1	4212.3
10	252L1010	3.0	81.0	95.0	69.4	73.6	12.5	8.5	10460.2	3905.5
88	252L1088	3.0	76.0	90.0	69.1	73.5	11.5	11.3	10456.1	3939.4
232	252L1232	5.0	75.0	100.0	68.7	75.0	19.8	20.1	10448.6	4186.8
144	252L1144	3.0	76.0	86.0	66.9	73.3	15.3	13.5	10437.4	3730.5
52	252L1052	5.0	79.0	96.0	69.1	73.6	15.7	13.6	10432.6	3222.2
184	252L1184	5.0	80.0	88.0	69.5	74.0	16.8	15.2	10425.2	3448.4
153	252L1153	5.0	74.0	97.0	65.1	73.7	20.2	19.0	10402.8	4459.5
49	252L1049	3.0	78.0	98.0	64.0	71.7	25.3	21.0	10387.7	3532.9
252	CLL17	7.0	80.0	100.0	68.7	72.9	15.7	10.9	10382.4	3698.1
107	252L1107	5.0	75.0	88.0	66.0	73.2	24.1	20.0	10368.1	4077.7
183	252L1183	5.0	79.0	96.0	70.2	74.5	17.4	16.1	10363.4	3236.5
42	252L1042	3.0	76.0	95.0	67.7	72.9	16.8	13.5	10350.5	3542.8
99	252L1099	3.0	76.0	93.0	61.8	71.9	22.3	19.9	10345.1	3789.9
212	252L1212	5.0	80.0	103.0	67.1	71.9	14.9	10.5	10342.6	4045.3
137	252L1137	3.0	75.0	91.0	73.5	73.9	19.9	17.3	10332.5	4105.0
149	252L1149	5.0	77.0	100.0	65.4	72.9	22.0	21.5	10331.4	3203.4
148	252L1148	3.0	76.0	110.0	62.5	73.5	20.3	19.9	10326.7	3243.4
136	252L1136	5.0	75.0	91.0	63.8	72.3	19.1	15.9	10325.5	3891.4
105	252L1105	5.0	77.0	91.0	59.0	71.8	22.2	18.8	10317.7	2650.8
175	252L1175	5.0	76.0	102.0	69.6	74.6	17.0	12.1	10315.6	4120.1
172	252L1172	5.0	80.0	103.0	66.8	73.1	15.8	12.3	10307.2	3622.1
173	252L1173	3.0	77.0	105.0	71.3	74.6	9.3	6.2	10279.7	4069.5
142	252L1142	3.0	73.0	93.0	68.4	73.9	15.3	14.6	10277.6	3716.6
197	252L1197	3.0	76.0	95.0	67.7	72.6	20.5	14.7	10263.8	3055.7
140	252L1140	5.0	75.0	92.0	69.3	74.7	18.7	17.5	10262.0	3251.8
221	252L1221	5.0	78.0	95.0	70.7	74.8	12.9	8.4	10254.6	3489.1
29	252L1029	3.0	77.0	90.0	65.6	73.0	24.0	20.1	10246.1	4005.7
193	252L1193	3.0	80.0	93.0	68.6	73.9	19.4	17.8	10244.9	3508.9
69	252L1069	5.0	75.0	104.0	66.5	74.1	15.2	11.7	10244.6	4667.5
203	252L1203	3.0	80.0	98.0	69.1	73.8	18.7	13.9	10241.6	2793.3
128	252L1128	3.0	80.0	110.0	65.8	73.5	16.9	14.0	10228.7	3127.5
166	252L1166	5.0	77.0	102.0	62.5	72.4	20.6	17.2	10224.6	2430.6
81	252L1081	5.0	77.0	96.0	69.3	74.5	14.3	12.1	10216.7	4212.7
169	252L1169	5.0	77.0	96.0	71.3	75.3	16.3	12.5	10209.2	3495.7
1	252L1001	5.0	76.0	97.0	64.9	71.2	15.3	9.5	10200.5	3769.6
248	CL153	7.0	82.0	97.0	70.2	74.0	13.7	11.8	10194.3	3062.0
33	252L1033	5.0	79.0	96.0	64.2	72.1	17.1	11.2	10190.9	3581.4

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
24	252L1024	7.0	77.0	86.0	62.1	71.6	27.5	26.0	10184.3	3603.4
15	252L1015	5.0	76.0	97.0	70.1	73.3	10.4	6.2	10183.1	3823.1
35	252L1035	3.0	77.0	93.0	65.6	73.2	16.5	11.9	10170.4	3947.0
210	252L1210	3.0	79.0	98.0	67.9	73.2	-	-	10169.7	3323.2
86	252L1086	3.0	75.0	96.0	68.9	73.4	14.1	10.6	10166.6	4183.0
244	252L1244	3.0	79.0	97.0	64.7	72.6	22.4	19.5	10155.7	3451.4
206	252L1206	7.0	80.0	105.0	70.1	74.6	16.9	13.0	10154.6	3242.0
11	252L1011	3.0	80.0	95.0	65.5	73.0	16.9	13.5	10149.7	4359.0
231	252L1231	5.0	74.0	97.0	70.6	74.3	17.7	15.8	10138.5	3602.8
164	252L1164	3.0	74.0	95.0	66.8	74.0	17.0	12.8	10126.3	4296.8
151	252L1151	5.0	76.0	97.0	59.4	72.0	22.6	20.5	10115.4	3634.2
243	252L1243	3.0	79.0	98.0	64.9	72.2	19.9	17.0	10109.9	3501.6
9	252L1009	3.0	75.0	100.0	68.5	72.8	19.1	16.4	10109.4	4373.5
26	252L1026	5.0	79.0	95.0	70.1	74.0	13.9	12.0	10094.5	3020.4
198	252L1198	3.0	78.0	94.0	70.7	74.3	17.5	13.1	10092.6	3621.6
100	252L1100	5.0	78.0	91.0	63.8	72.3	21.3	19.2	10086.4	3567.4
45	252L1045	3.0	75.0	101.0	67.5	73.4	18.7	14.7	10078.6	3735.7
14	252L1014	3.0	75.0	98.0	65.7	71.0	16.5	13.9	10072.0	3367.4
161	252L1161	3.0	76.0	101.0	62.8	71.8	22.0	19.3	10068.3	4260.9
127	252L1127	5.0	75.0	91.0	61.7	70.8	29.6	26.8	10067.8	2350.6
96	252L1096	5.0	83.0	92.0	68.6	75.4	14.9	13.1	10019.7	3825.4
59	252L1059	3.0	79.0	93.0	71.1	75.1	13.8	11.3	10005.6	2932.5
87	252L1087	5.0	77.0	99.0	68.8	73.0	14.1	10.3	9977.8	4287.0
111	252L1111	5.0	80.0	85.0	71.4	74.3	11.9	9.5	9971.2	3586.3
167	252L1167	5.0	76.0	95.0	65.6	73.6	18.4	16.7	9961.8	4017.0
237	252L1237	5.0	80.0	95.0	66.5	74.2	18.0	15.4	9956.8	4180.7
85	252L1085	5.0	75.0	104.0	68.2	73.4	17.7	13.1	9950.1	4055.6
48	252L1048	3.0	75.0	97.0	66.8	73.5	12.4	10.2	9927.4	3803.2
8	252L1008	3.0	79.0	95.0	70.4	74.2	14.4	12.8	9903.8	3993.2
53	252L1053	5.0	78.0	99.0	71.4	74.5	14.5	12.8	9896.7	3743.4
110	252L1110	5.0	77.0	90.0	68.5	73.3	16.0	13.2	9868.6	2657.1
13	252L1013	5.0	79.0	96.0	68.5	72.6	17.3	11.0	9833.7	4107.2
139	252L1139	3.0	77.0	92.0	66.0	73.3	19.3	17.5	9822.0	3173.2
54	252L1054	3.0	79.0	91.0	70.9	74.4	17.5	11.1	9809.5	3593.7
16	252L1016	3.0	75.0	93.0	71.8	74.7	11.6	9.9	9802.6	3803.2
220	252L1220	5.0	80.0	92.0	68.2	73.1	16.1	13.9	9783.2	3919.3
209	252L1209	5.0	78.0	97.0	68.5	74.3	15.2	12.0	9774.6	3360.4
46	252L1046	5.0	79.0	97.0	69.6	73.7	18.3	17.7	9773.7	3009.3
41	252L1041	5.0	77.0	100.0	68.0	73.2	-	-	9762.0	3306.2
7	252L1007	3.0	77.0	102.0	67.3	72.1	13.3	10.4	9756.5	3574.6
55	252L1055	3.0	79.0	95.0	69.9	74.2	11.8	9.4	9746.1	3036.2
204	252L1204	5.0	75.0	103.0	70.6	74.0	17.6	15.7	9742.8	3473.5
22	252L1022	7.0	77.0	96.0	58.3	72.0	25.2	22.5	9732.2	2896.9
192	252L1192	3.0	79.0	96.0	68.7	73.9	19.5	16.3	9700.3	3466.7
238	252L1238	5.0	76.0	91.0	69.1	73.9	13.3	10.4	9696.7	4112.0
180	252L1180	5.0	79.0	94.0	69.0	73.9	20.0	16.3	9695.8	3162.2
17	252L1017	7.0	80.0	93.0	72.3	75.1	11.7	10.2	9685.1	3568.3
20	252L1020	3.0	75.0	96.0	67.5	73.7	22.2	22.6	9676.4	4031.1
242	252L1242	3.0	78.0	93.0	62.1	71.4	22.4	18.6	9673.9	3237.1
245	252L1245	3.0	76.0	100.0	67.9	74.3	20.2	15.5	9671.2	2822.5
30	252L1030	7.0	85.0	85.0	65.4	70.8	17.4	12.5	9659.5	3486.5

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
191	252L1191	3.0	79.0	87.0	66.8	74.7	21.9	22.3	9654.1	2974.4
40	252L1040	5.0	78.0	91.0	69.0	74.8	20.7	19.2	9595.4	2737.0
102	252L1102	3.0	80.0	87.0	62.5	73.1	18.7	16.3	9543.8	2375.9
239	252L1239	5.0	81.0	102.0	67.1	73.2	17.6	13.3	9537.2	2973.5
241	252L1241	5.0	78.0	95.0	65.9	72.8	15.3	11.3	9530.0	4398.2
80	252L1080	3.0	79.0	94.0	70.3	74.2	16.2	13.4	9495.7	3600.2
251	CL111	5.0	76.0	98.0	68.5	73.5	16.3	13.9	9478.0	4209.2
98	252L1098	3.0	81.0	90.0	66.3	74.6	14.8	13.7	9454.8	3219.0
89	252L1089	5.0	76.0	91.0	67.3	73.3	18.1	17.0	9432.9	2982.6
150	252L1150	3.0	74.0	98.0	56.5	72.8	27.9	25.9	9428.6	3214.2
36	252L1036	5.0	77.0	94.0	65.8	72.4	17.5	14.9	9420.2	4225.2
157	252L1157	5.0	80.0	107.0	64.0	71.3	18.4	15.2	9412.3	3938.7
31	252L1031	7.0	79.0	96.0	65.4	72.4	19.5	13.5	9385.9	2726.1
190	252L1190	5.0	80.0	93.0	68.2	74.3	15.9	14.9	9367.8	3233.8
2	252L1002	3.0	80.0	94.0	65.4	72.8	17.6	17.3	9345.6	3198.5
195	252L1195	5.0	77.0	98.0	71.1	74.3	15.5	11.5	9337.8	3491.1
143	252L1143	3.0	77.0	93.0	63.5	71.8	20.0	15.8	9295.5	3313.7
94	252L1094	5.0	79.0	85.0	69.6	75.3	14.5	13.8	9274.1	4415.8
182	252L1182	5.0	80.0	90.0	67.9	73.2	16.8	14.3	9268.4	3101.2
91	252L1091	5.0	76.0	93.0	69.9	75.1	14.7	13.9	9258.1	3294.0
90	252L1090	5.0	78.0	89.0	69.7	74.0	12.6	12.3	9249.4	3502.7
92	252L1092	3.0	76.0	90.0	73.2	76.9	9.9	9.2	9219.7	3321.4
214	252L1214	5.0	81.0	88.0	69.6	73.1	18.1	12.7	9210.8	2836.5
179	252L1179	3.0	78.0	93.0	69.0	73.5	23.6	17.6	9179.2	3042.9
93	252L1093	3.0	77.0	87.0	68.0	73.8	11.0	9.4	9148.7	2860.5
12	252L1012	5.0	82.0	95.0	69.2	73.9	15.2	8.9	9093.8	3345.0
84	252L1084	3.0	76.0	100.0	68.1	73.9	11.6	10.1	9092.0	3911.9
19	252L1019	7.0	80.0	95.0	56.9	68.7	15.4	9.3	9078.3	3013.5
63	252L1063	5.0	76.0	97.0	71.7	75.8	14.0	14.6	9057.2	3457.6
4	252L1004	3.0	79.0	100.0	67.7	73.4	14.7	13.2	9012.5	3069.1
112	252L1112	5.0	79.0	90.0	65.5	71.3	15.9	13.9	9007.3	2831.0
236	252L1236	5.0	75.0	98.0	69.4	74.7	12.8	11.0	9000.9	3757.3
233	252L1233	5.0	75.0	90.0	70.3	74.7	13.1	11.6	8999.1	3017.8
6	252L1006	3.0	79.0	101.0	68.1	73.5	14.3	11.1	8979.1	3708.4
155	252L1155	5.0	75.0	88.0	61.5	72.2	21.9	20.9	8962.2	3017.5
235	252L1235	5.0	76.0	100.0	68.5	74.6	14.6	12.4	8887.0	2846.5
118	252L1118	3.0	76.0	99.0	65.2	74.0	19.2	17.6	8857.0	3325.8
79	252L1079	3.0	76.0	90.0	68.1	74.0	13.0	11.7	8757.6	3640.8
101	252L1101	3.0	76.0	95.0	56.2	68.2	16.8	14.1	8650.0	3589.8
135	252L1135	5.0	73.0	90.0	65.9	73.6	19.5	18.2	8627.5	3531.7
106	252L1106	5.0	78.0	91.0	64.0	73.0	23.1	19.1	8603.9	3862.9
5	252L1005	5.0	76.0	90.0	68.3	73.5	11.7	8.1	8597.5	3790.1
60	252L1060	5.0	77.0	92.0	64.3	72.5	12.7	10.1	8519.8	4788.9
3	252L1003	5.0	78.0	98.0	70.5	74.3	13.7	10.8	8357.7	3420.0
178	252L1178	5.0	76.0	92.0	58.2	71.4	14.3	14.3	8307.9	3953.2
95	252L1095	5.0	77.0	87.0	69.4	74.5	13.3	11.4	8272.3	3490.1
32	252L1032	5.0	78.0	87.0	65.4	72.6	12.1	7.3	8243.1	3770.3
218	252L1218	3.0	82.0	88.0	67.3	71.4	16.8	15.4	8015.6	3189.8
97	252L1097	3.0	79.0	85.0	70.2	75.5	11.3	8.8	7809.9	3773.3

Continued.

Table 3. Continued.

Entry	Line	Vigor¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact²	Chalky Seeds³	Yield (lb/A)	Ratoon Yield (lb/A)
145	252L1145	5.0	74.0	90.0	61.8	72.3	13.1	13.0	6889.2	3858.3

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 4. Grain and milling yields and agronomic performance of entries in the 2025 Clearfield Preliminary Yield Long-Grain trial – Late Planting. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
141	252L1141	5.0	70.0	89.0	56.3	72.1	23.5	21.9	10601.1	2704.7
121	252L1121	5.0	70.0	107.0	60.5	71.5	23.6	22.1	10517.1	2624.6
146	252L1146	5.0	68.0	105.0	57.7	71.5	14.6	12.8	10280.9	3459.0
125	252L1125	5.0	72.0	98.0	58.4	71.1	23.7	23.1	10274.8	3486.5
247	CLL18	5.0	72.0	103.0	59.3	70.3	22.8	20.8	10263.6	2650.2
126	252L1126	5.0	69.0	102.0	59.3	73.4	26.6	22.9	10183.1	2491.1
87	252L1087	3.0	69.0	96.0	66.1	72.1	16.1	12.0	10102.4	3792.0
129	252L1129	7.0	68.0	106.0	49.7	69.5	14.7	13.2	10053.2	3876.1
124	252L1124	5.0	72.0	104.0	62.3	72.0	27.7	26.9	10015.0	3234.2
123	252L1123	3.0	71.0	102.0	55.3	70.0	23.1	21.7	10013.0	3725.6
71	252L1071	7.0	70.0	97.0	64.5	73.2	16.1	14.5	10012.3	3372.5
119	252L1119	5.0	72.0	104.0	55.5	70.3	20.4	17.6	10012.3	2801.5
134	252L1134	5.0	73.0	100.0	62.3	72.0	16.5	13.4	9968.2	2724.5
211	252L1211	5.0	69.0	98.0	58.5	70.7	16.1	13.0	9928.1	2885.2
142	252L1142	3.0	66.0	94.0	63.2	73.8	17.5	17.4	9910.1	4017.6
67	252L1067	5.0	73.0	114.0	63.5	72.7	17.1	11.9	9885.2	3314.1
138	252L1138	5.0	67.0	90.0	51.5	72.4	20.8	18.8	9866.6	3932.3
120	252L1120	5.0	69.0	96.0	53.8	70.6	23.5	21.8	9863.4	2717.4
156	252L1156	7.0	69.0	98.0	54.8	72.8	20.4	16.7	9842.2	3303.6
117	252L1117	5.0	67.0	97.0	51.7	73.6	23.0	20.6	9831.5	3451.2
132	252L1132	5.0	73.0	106.0	55.0	69.9	16.8	12.6	9807.2	2754.8
191	252L1191	5.0	70.0	90.0	51.1	70.5	16.3	15.4	9794.7	3269.2
114	252L1114	5.0	67.0	103.0	66.9	73.4	8.4	6.5	9736.4	4944.6
105	252L1105	5.0	68.0	99.0	50.5	73.0	19.9	17.2	9716.8	3685.4
139	252L1139	5.0	67.0	97.0	61.9	72.7	20.5	16.9	9697.3	4455.4
130	252L1130	7.0	72.0	115.0	54.7	68.4	14.8	13.0	9689.6	2924.3
115	252L1115	3.0	67.0	95.0	60.5	72.2	17.4	16.3	9669.9	4103.0
131	252L1131	5.0	73.0	109.0	58.8	71.0	15.5	11.0	9621.0	2411.4
55	252L1055	5.0	70.0	101.0	64.6	72.4	13.1	10.5	9605.1	3420.2
76	252L1076	7.0	69.0	89.0	62.7	68.7	11.3	9.3	9595.5	3164.4
184	252L1184	5.0	67.0	91.0	65.1	74.1	15.8	13.9	9577.0	4491.7
78	252L1078	5.0	67.0	89.0	65.1	72.9	17.2	15.4	9536.0	3610.9
57	252L1057	3.0	69.0	99.0	59.5	72.3	13.6	11.1	9529.6	3108.9
113	252L1113	5.0	66.0	93.0	61.3	73.5	19.4	17.8	9527.3	3285.2
52	252L1052	5.0	70.0	99.0	67.0	74.0	16.0	14.7	9526.5	2700.0
79	252L1079	5.0	68.0	98.0	66.5	73.2	13.6	10.8	9519.6	3808.0
181	252L1181	5.0	73.0	105.0	61.9	72.1	15.0	12.5	9516.9	2004.5
73	252L1073	5.0	70.0	98.0	64.6	73.0	17.3	14.1	9505.9	3303.7
152	252L1152	7.0	68.0	97.0	41.2	69.8	21.3	19.8	9502.4	3552.4
107	252L1107	5.0	69.0	90.0	50.6	71.9	24.5	22.3	9493.3	4242.0
140	252L1140	7.0	68.0	81.0	62.3	72.2	18.3	16.2	9491.6	2116.7
250	CLL16	5.0	74.0	102.0	59.0	69.4	16.0	12.4	9491.3	2623.9
228	252L1228	5.0	67.0	101.0	64.0	72.9	15.6	10.9	9476.4	3427.1
11	252L1011	5.0	73.0	94.0	64.2	71.7	15.1	10.5	9474.4	4012.1
133	252L1133	5.0	72.0	99.0	56.8	70.1	15.5	12.0	9471.9	2590.6
194	252L1194	5.0	73.0	97.0	58.1	70.1	19.8	17.5	9459.3	2608.0
154	252L1154	5.0	68.0	96.0	50.9	71.2	18.9	16.4	9442.9	3712.9
34	252L1034	5.0	70.0	96.0	56.1	70.8	23.6	19.3	9411.2	3969.2
50	252L1050	7.0	69.0	102.0	62.0	74.1	20.4	19.8	9400.0	3236.9
64	252L1064	5.0	70.0	88.0	62.9	72.9	16.2	15.4	9395.8	2990.6

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
221	252L1221	5.0	69.0	92.0	64.0	73.7	12.8	10.0	9372.4	4275.4
80	252L1080	5.0	70.0	102.0	65.9	73.2	13.6	10.6	9350.0	3345.8
174	252L1174	5.0	66.0	99.0	65.3	73.5	21.1	19.5	9343.2	4032.5
207	252L1207	3.0	68.0	104.0	67.7	73.1	22.2	20.9	9337.1	3412.7
122	252L1122	3.0	73.0	106.0	59.0	71.3	26.6	25.3	9336.0	2965.6
127	252L1127	5.0	69.0	94.0	56.6	70.5	28.2	25.2	9318.8	2412.6
159	252L1159	5.0	71.0	97.0	58.0	71.9	25.8	21.2	9306.7	3293.4
136	252L1136	3.0	69.0	101.0	56.7	72.6	23.4	22.5	9301.5	3401.2
81	252L1081	5.0	69.0	97.0	66.4	73.6	15.1	13.4	9300.3	2822.7
177	252L1177	5.0	69.0	104.0	64.9	71.7	18.1	15.5	9296.7	3967.4
116	252L1116	5.0	70.0	80.0	58.6	72.7	24.2	23.0	9296.0	2753.0
223	252L1223	5.0	69.0	97.0	57.6	71.7	21.4	19.1	9291.3	3429.6
225	252L1225	5.0	69.0	94.0	62.3	71.0	18.4	12.1	9280.8	2830.6
118	252L1118	5.0	67.0	106.0	59.3	72.8	20.8	19.8	9277.7	3737.5
83	252L1083	3.0	68.0	105.0	68.4	73.0	12.0	9.4	9274.5	4098.7
27	252L1027	7.0	68.0	90.0	64.4	72.8	15.7	13.9	9269.9	4539.0
149	252L1149	7.0	67.0	99.0	55.4	71.8	17.9	15.9	9269.7	3416.1
44	252L1044	7.0	70.0	90.0	61.1	71.1	16.5	12.5	9230.9	4352.9
246	CLL19	5.0	67.0	98.0	60.1	71.0	21.3	17.8	9220.2	4031.7
62	252L1062	5.0	68.0	109.0	57.2	71.2	14.8	10.3	9218.3	4031.8
101	252L1101	5.0	68.0	93.0	43.7	71.0	23.8	20.8	9194.0	3912.5
18	252L1018	5.0	74.0	95.0	65.9	70.2	17.5	15.0	9193.9	3433.4
180	252L1180	5.0	71.0	99.0	62.7	72.2	17.4	15.7	9187.9	3824.8
51	252L1051	5.0	71.0	96.0	66.2	72.6	14.9	12.3	9181.2	2913.5
153	252L1153	5.0	66.0	98.0	44.2	70.7	18.4	15.4	9175.0	4277.5
214	252L1214	5.0	70.0	94.0	67.0	72.6	15.7	11.4	9172.7	3957.6
61	252L1061	3.0	71.0	94.0	65.5	73.3	13.8	11.3	9170.5	3394.0
103	252L1103	7.0	71.0	89.0	57.6	71.7	20.5	18.3	9164.8	3037.7
166	252L1166	7.0	73.0	103.0	62.0	73.1	23.0	20.1	9160.6	3076.4
165	252L1165	5.0	66.0	110.0	48.8	70.6	19.4	16.2	9153.4	3956.7
192	252L1192	5.0	70.0	96.0	64.7	73.2	18.0	15.4	9122.5	3608.3
145	252L1145	5.0	66.0	89.0	58.2	71.6	17.7	17.3	9115.5	3705.8
183	252L1183	7.0	72.0	102.0	68.1	73.9	19.2	18.7	9115.1	2886.8
242	252L1242	5.0	73.0	102.0	64.8	73.5	19.1	15.3	9111.8	4000.5
137	252L1137	5.0	65.0	94.0	59.7	71.1	19.1	16.6	9106.1	3489.6
47	252L1047	5.0	68.0	97.0	56.4	71.4	16.7	14.1	9105.4	4162.2
56	252L1056	5.0	71.0	108.0	67.7	73.4	16.9	13.7	9091.3	2901.4
21	252L1021	7.0	70.0	100.0	62.5	73.7	20.6	18.0	9086.2	3947.7
59	252L1059	7.0	72.0	98.0	67.4	74.7	14.9	12.4	9083.7	2971.4
244	252L1244	5.0	69.0	104.0	62.2	72.0	17.7	13.3	9065.5	4007.2
172	252L1172	5.0	73.0	102.0	61.4	72.4	16.4	12.4	9063.2	4451.7
37	252L1037	5.0	69.0	91.0	59.8	71.4	18.4	16.1	9036.7	3950.5
202	252L1202	7.0	70.0	94.0	66.9	72.7	17.2	11.1	9027.4	3045.8
227	252L1227	5.0	71.0	99.0	62.6	71.1	18.2	12.9	9020.6	4002.8
232	252L1232	3.0	69.0	94.0	61.9	73.6	18.3	17.9	9017.9	2858.2
66	252L1066	5.0	72.0	105.0	56.7	69.2	14.7	8.4	9014.3	4852.8
188	252L1188	5.0	72.0	88.0	64.2	71.0	16.8	14.5	9013.4	2942.5
8	252L1008	5.0	70.0	100.0	66.9	72.5	14.9	13.4	8999.4	4430.0
239	252L1239	5.0	72.0	104.0	60.8	71.1	15.6	14.0	8998.9	3893.7
213	252L1213	5.0	72.0	97.0	66.0	72.2	15.9	13.1	8998.7	2910.6
102	252L1102	7.0	71.0	87.0	56.0	73.9	22.2	20.8	8998.2	3107.3

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
163	252L1163	5.0	70.0	100.0	56.2	71.7	16.3	13.2	8992.6	3213.6
69	252L1069	5.0	68.0	97.0	63.1	72.7	16.8	13.3	8979.2	3662.5
147	252L1147	5.0	71.0	95.0	53.6	70.3	19.8	17.1	8968.6	2992.7
162	252L1162	7.0	70.0	90.0	56.4	71.8	20.1	17.5	8962.2	3180.1
185	252L1185	5.0	69.0	88.0	57.4	71.4	14.9	11.3	8946.8	2818.4
200	252L1200	5.0	69.0	100.0	62.8	73.0	15.7	9.6	8940.5	3653.9
74	252L1074	5.0	66.0	87.0	66.5	73.7	14.4	13.7	8940.2	3808.5
109	252L1109	3.0	69.0	94.0	58.5	70.0	28.8	27.2	8930.4	4175.0
249	CLHA03	5.0	70.0	95.0	67.0	73.1	15.4	13.5	8911.8	2767.3
112	252L1112	5.0	69.0	97.0	60.4	71.1	16.6	15.6	8890.1	3367.1
88	252L1088	3.0	70.0	96.0	67.7	73.9	11.8	10.5	8879.8	3615.5
94	252L1094	5.0	70.0	93.0	59.2	73.6	15.6	14.3	8878.9	3432.9
82	252L1082	5.0	66.0	92.0	66.6	73.2	15.6	13.1	8873.4	4104.2
104	252L1104	3.0	67.0	98.0	44.0	71.3	23.2	19.6	8868.0	4690.5
14	252L1014	5.0	68.0	95.0	62.8	71.2	15.6	13.5	8867.4	3343.8
195	252L1195	3.0	69.0	86.0	67.9	74.3	15.0	10.2	8854.7	3735.2
220	252L1220	7.0	74.0	99.0	65.0	72.5	16.0	13.4	8850.1	3808.0
222	252L1222	9.0	72.0	93.0	63.8	71.6	15.7	10.9	8844.1	4311.4
203	252L1203	5.0	69.0	98.0	65.6	71.1	18.0	13.2	8839.0	3485.4
26	252L1026	3.0	70.0	97.0	64.6	72.1	14.3	11.7	8837.6	4466.4
39	252L1039	5.0	67.0	101.0	50.5	69.5	17.4	15.2	8834.6	3641.3
43	252L1043	5.0	69.0	99.0	50.1	70.5	10.7	7.3	8834.4	3733.9
216	252L1216	5.0	73.0	99.0	68.1	72.7	13.4	11.1	8827.5	3526.2
169	252L1169	5.0	68.0	103.0	63.8	73.4	18.3	13.2	8816.0	4493.5
201	252L1201	5.0	67.0	103.0	59.3	71.7	17.3	9.8	8803.9	3953.9
28	252L1028	5.0	73.0	96.0	66.9	72.6	9.3	7.3	8797.4	3480.7
24	252L1024	5.0	67.0	91.0	49.9	70.3	25.5	24.0	8790.7	4018.1
160	252L1160	3.0	71.0	96.0	58.3	72.2	22.4	17.2	8774.7	3529.7
199	252L1199	3.0	69.0	99.0	64.5	73.0	18.7	11.5	8771.4	3308.5
128	252L1128	5.0	72.0	107.0	60.2	72.8	14.0	10.6	8766.2	3842.8
72	252L1072	3.0	69.0	90.0	59.7	72.2	13.7	8.4	8766.2	4005.2
155	252L1155	7.0	70.0	100.0	58.3	72.6	24.4	24.1	8764.2	3561.7
252	CLL17	5.0	70.0	100.0	61.0	70.5	16.6	10.7	8761.8	2307.0
179	252L1179	5.0	71.0	95.0	62.8	72.2	21.1	15.1	8757.6	3416.0
84	252L1084	3.0	69.0	96.0	69.8	74.9	12.3	12.7	8746.5	4059.8
187	252L1187	5.0	69.0	93.0	58.1	71.0	14.7	11.6	8745.6	3961.7
9	252L1009	5.0	70.0	102.0	65.4	73.2	23.3	23.2	8730.4	3961.3
175	252L1175	5.0	67.0	100.0	62.0	72.9	18.0	14.2	8723.9	4261.7
108	252L1108	5.0	70.0	92.0	66.9	73.0	15.9	15.3	8721.4	4178.2
75	252L1075	5.0	68.0	102.0	64.6	72.4	10.2	9.5	8720.2	3829.5
23	252L1023	7.0	67.0	94.0	44.0	71.8	22.2	19.6	8708.0	4092.0
12	252L1012	7.0	77.0	100.0	58.5	72.5	13.2	8.4	8694.9	4412.1
234	252L1234	5.0	72.0	101.0	65.6	75.9	15.0	14.0	8685.2	3385.8
53	252L1053	5.0	71.0	99.0	64.7	71.5	12.6	10.7	8678.5	4632.5
157	252L1157	5.0	72.0	101.0	57.2	71.5	21.6	19.2	8653.0	3813.4
208	252L1208	5.0	75.0	101.0	65.1	72.9	18.6	14.9	8637.8	2312.1
215	252L1215	5.0	72.0	105.0	59.4	71.1	15.6	12.9	8635.1	2428.9
33	252L1033	5.0	70.0	97.0	53.7	70.7	14.3	9.7	8633.3	4229.5
46	252L1046	5.0	70.0	99.0	61.3	72.3	14.8	13.1	8619.4	3429.6
49	252L1049	5.0	69.0	100.0	58.4	71.3	20.7	16.2	8604.8	3826.9
168	252L1168	5.0	70.0	102.0	61.0	72.4	16.1	13.8	8604.1	3358.0

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
161	252L1161	5.0	71.0	93.0	58.1	71.1	20.0	15.9	8599.8	3763.7
85	252L1085	5.0	67.0	97.0	64.5	73.6	16.0	10.5	8593.9	4078.1
218	252L1218	5.0	73.0	93.0	62.8	71.2	15.1	13.9	8591.9	3158.0
143	252L1143	5.0	67.0	95.0	59.3	72.6	18.6	16.4	8586.4	3523.9
106	252L1106	5.0	68.0	97.0	41.6	70.3	25.8	22.3	8576.8	3717.0
40	252L1040	5.0	68.0	89.0	62.8	72.2	21.0	20.4	8569.0	3063.2
4	252L1004	5.0	74.0	103.0	67.4	73.7	13.1	8.9	8562.0	3852.0
164	252L1164	5.0	69.0	97.0	61.0	72.5	15.7	11.6	8551.7	2811.1
198	252L1198	7.0	70.0	97.0	62.9	72.6	14.2	6.7	8536.2	3715.7
171	252L1171	5.0	67.0	98.0	51.9	71.6	20.5	17.9	8525.8	3899.8
237	252L1237	5.0	73.0	96.0	64.0	73.5	16.5	13.9	8524.4	3667.1
29	252L1029	7.0	69.0	94.0	59.0	71.2	23.1	17.5	8515.4	3997.2
170	252L1170	5.0	70.0	102.0	58.1	72.4	18.8	17.5	8513.5	3330.2
240	252L1240	5.0	73.0	98.0	60.9	71.9	13.7	11.2	8512.9	4313.6
68	252L1068	5.0	69.0	98.0	57.5	71.8	19.1	18.9	8504.4	3784.0
190	252L1190	3.0	70.0	94.0	59.5	72.1	15.9	13.9	8500.2	3169.8
229	252L1229	3.0	70.0	96.0	65.6	73.0	13.6	10.5	8492.6	3647.3
22	252L1022	5.0	69.0	95.0	52.3	72.6	24.1	21.0	8472.2	3813.4
158	252L1158	5.0	72.0	95.0	55.9	71.1	15.1	12.8	8461.8	3764.6
99	252L1099	5.0	69.0	91.0	44.9	70.1	25.4	24.1	8459.1	4123.1
209	252L1209	5.0	70.0	103.0	66.5	73.6	15.8	10.9	8442.9	3222.5
204	252L1204	5.0	68.0	103.0	69.0	74.2	19.1	15.8	8424.7	4003.3
248	CL153	7.0	76.0	104.0	68.2	74.4	13.0	9.8	8420.3	3176.2
42	252L1042	5.0	69.0	99.0	55.1	70.7	17.7	13.5	8419.0	3984.1
25	252L1025	5.0	69.0	96.0	63.8	73.4	20.5	17.6	8418.4	3143.7
233	252L1233	5.0	68.0	100.0	65.1	73.0	14.1	12.2	8413.4	4113.6
238	252L1238	5.0	71.0	98.0	62.3	69.1	16.0	13.0	8412.5	2992.7
196	252L1196	3.0	69.0	92.0	58.8	71.9	12.8	8.6	8408.9	4185.2
20	252L1020	5.0	67.0	104.0	56.1	71.5	20.2	18.9	8387.2	4377.2
70	252L1070	3.0	69.0	97.0	61.9	72.4	14.0	12.8	8365.6	3936.1
167	252L1167	5.0	70.0	91.0	56.7	71.9	17.9	14.8	8364.1	3281.4
135	252L1135	5.0	66.0	97.0	63.0	76.4	18.3	15.8	8359.8	3985.4
15	252L1015	5.0	68.0	93.0	66.2	71.0	11.2	6.4	8357.7	2968.4
45	252L1045	5.0	69.0	102.0	55.3	70.6	17.5	15.4	8350.9	3789.8
1	252L1001	5.0	71.0	101.0	61.5	71.1	19.3	14.1	8348.0	3160.3
217	252L1217	5.0	74.0	104.0	65.5	71.7	15.5	12.0	8341.1	2956.0
148	252L1148	5.0	70.0	112.0	48.4	73.1	20.4	19.7	8330.9	3006.0
36	252L1036	5.0	70.0	90.0	62.5	72.4	15.6	11.5	8330.6	4077.1
206	252L1206	5.0	70.0	103.0	67.7	74.1	18.8	13.4	8327.4	4156.4
243	252L1243	3.0	69.0	94.0	61.7	71.4	18.4	15.4	8315.3	3251.6
63	252L1063	7.0	68.0	98.0	66.3	73.6	14.6	15.2	8313.1	3636.0
176	252L1176	7.0	70.0	101.0	65.2	71.9	18.6	13.6	8303.9	2932.2
38	252L1038	5.0	70.0	103.0	53.0	68.9	15.4	14.7	8301.2	3104.5
144	252L1144	7.0	68.0	91.0	55.8	73.0	18.0	16.5	8264.1	3461.5
231	252L1231	3.0	66.0	103.0	65.4	72.9	19.0	17.5	8263.7	3330.3
60	252L1060	5.0	69.0	95.0	57.7	72.5	12.2	9.6	8263.1	3582.4
77	252L1077	5.0	70.0	94.0	64.4	73.2	9.9	8.0	8259.4	2915.1
205	252L1205	5.0	70.0	105.0	66.2	73.1	19.2	13.1	8255.8	3329.9
212	252L1212	7.0	73.0	100.0	64.6	71.8	15.7	12.4	8249.6	2727.5
10	252L1010	5.0	74.0	99.0	66.4	72.5	16.3	10.2	8222.7	3372.1
31	252L1031	5.0	71.0	102.0	58.2	70.3	15.6	10.4	8211.4	3450.4

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
235	252L1235	3.0	72.0	101.0	68.6	74.3	12.9	11.6	8147.2	3409.6
7	252L1007	3.0	72.0	102.0	66.3	72.8	16.1	11.0	8144.1	2909.3
13	252L1013	5.0	72.0	97.0	62.2	71.0	16.9	11.8	8143.4	3800.8
16	252L1016	5.0	69.0	99.0	67.5	73.2	13.6	10.6	8140.3	4214.2
186	252L1186	7.0	70.0	91.0	63.5	74.0	13.5	11.6	8138.7	2417.8
98	252L1098	3.0	71.0	91.0	44.6	71.4	12.9	12.3	8123.3	4923.6
5	252L1005	5.0	71.0	95.0	60.7	71.1	16.0	12.3	8116.8	2684.5
182	252L1182	5.0	72.0	89.0	66.0	73.9	17.4	14.7	8088.3	3632.4
91	252L1091	5.0	69.0	94.0	61.9	73.3	15.8	14.8	8076.4	2886.0
230	252L1230	5.0	72.0	89.0	59.9	71.1	17.4	12.7	8049.8	3216.4
86	252L1086	5.0	67.0	103.0	66.1	72.6	12.7	8.4	8033.7	3688.1
32	252L1032	5.0	69.0	91.0	62.5	71.0	12.4	5.5	7999.4	4572.2
219	252L1219	5.0	73.0	101.0	46.8	68.6	15.8	14.2	7996.6	3516.1
226	252L1226	5.0	72.0	92.0	64.1	75.3	14.3	9.6	7911.0	3355.9
151	252L1151	5.0	66.0	85.0	38.6	68.6	24.3	22.4	7883.5	3586.9
189	252L1189	5.0	72.0	101.0	66.8	73.9	15.0	12.3	7863.6	3568.2
93	252L1093	5.0	69.0	87.0	64.6	75.7	12.4	11.2	7819.6	3482.3
41	252L1041	5.0	69.0	102.0	58.6	71.3	15.7	13.0	7792.8	4099.7
241	252L1241	5.0	71.0	94.0	59.8	71.9	14.8	10.9	7773.7	3481.8
197	252L1197	7.0	68.0	96.0	60.2	71.8	16.6	10.3	7750.2	3503.2
245	252L1245	5.0	68.0	98.0	60.8	72.9	19.5	14.6	7731.8	3365.3
2	252L1002	5.0	72.0	91.0	61.2	72.2	17.3	16.2	7713.6	4521.9
224	252L1224	5.0	68.0	92.0	59.6	71.3	17.9	14.5	7678.8	3081.4
6	252L1006	3.0	77.0	107.0	59.4	70.2	12.9	10.7	7662.3	2689.2
30	252L1030	5.0	75.0	79.0	60.8	71.1	17.0	13.8	7647.9	3652.8
210	252L1210	5.0	71.0	104.0	62.6	71.9	13.9	9.3	7638.5	3194.3
100	252L1100	5.0	72.0	97.0	55.4	71.0	21.7	17.7	7607.9	3672.4
54	252L1054	3.0	72.0	94.0	62.6	72.1	14.7	8.4	7572.7	3330.5
236	252L1236	7.0	70.0	100.0	59.3	73.9	12.7	10.5	7554.7	3296.4
17	252L1017	7.0	74.0	100.0	68.2	73.1	11.7	10.3	7550.8	3145.6
173	252L1173	3.0	73.0	102.0	61.1	72.3	14.5	12.5	7528.0	4618.4
178	252L1178	5.0	69.0	90.0	48.5	67.4	21.7	23.3	7493.2	4516.9
251	CL111	7.0	70.0	100.0	64.6	75.1	15.9	12.7	7458.4	3330.4
110	252L1110	5.0	69.0	89.0	63.6	72.3	13.4	11.8	7388.0	3645.9
96	252L1096	5.0	73.0	89.0	62.2	71.6	10.7	9.6	7381.3	3444.8
95	252L1095	5.0	70.0	94.0	61.8	74.0	11.4	10.1	7378.3	3251.2
58	252L1058	5.0	72.0	96.0	62.4	72.0	18.5	14.3	7339.5	3878.7
19	252L1019	7.0	70.0	90.0	57.0	70.1	16.3	10.1	7337.3	4137.2
90	252L1090	3.0	69.0	81.0	64.9	73.7	11.9	10.7	7328.0	3485.2
35	252L1035	5.0	70.0	98.0	50.8	70.1	14.3	11.0	7313.2	4029.8
3	252L1003	5.0	69.0	93.0	63.1	73.0	15.5	12.4	7288.0	3194.4
65	252L1065	3.0	73.0	110.0	63.0	70.7	12.1	9.5	7254.7	3543.0
92	252L1092	5.0	68.0	92.0	58.0	73.9	11.2	11.3	7226.1	3623.7
111	252L1111	3.0	72.0	87.0	65.5	73.0	10.2	9.2	7210.3	2783.0
97	252L1097	5.0	72.0	82.0	64.6	73.8	12.6	10.4	7093.6	3723.6
193	252L1193	5.0	73.0	96.0	49.4	70.3	15.3	13.7	7035.4	3022.0
48	252L1048	5.0	67.0	104.0	50.5	69.6	12.4	9.8	6889.3	4258.9
150	252L1150	5.0	65.0	104.0	51.4	71.0	24.9	21.1	6008.9	4159.9
89	252L1089	3.0	68.0	96.0	51.6	70.5	11.2	8.2	5989.3	2943.8

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 5. Grain and milling yields and agronomic performance of entries in the 2025 Clearfield Preliminary Yield Medium-Grain trial. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
75	252M1075	3.0	82.0	96.0	67.4	71.1	6.4	3.7	12082.5	2288.6
145	252M1145	3.0	84.0	100.0	67.6	71.9	11.0	7.5	11845.2	2840.1
95	252M1095	1.0	80.0	100.0	59.4	69.7	5.0	2.5	11273.1	4248.4
79	252M1079	3.0	80.0	106.0	65.8	70.5	11.6	4.1	11233.8	2472.8
15	252M1015	3.0	83.0	97.0	64.1	71.7	7.1	4.6	11109.8	3704.5
150	CLM05	3.0	83.0	94.0	56.5	69.9	4.9	3.9	11105.9	3572.7
6	252M1006	1.0	83.0	92.0	60.5	72.3	3.6	2.3	11029.1	4781.0
71	252M1071	3.0	79.0	95.0	62.1	71.2	3.6	2.4	11022.1	3500.1
149	CLM04	1.0	84.0	108.0	68.7	71.4	4.1	3.4	10980.7	2567.6
114	252M1114	3.0	82.0	97.0	67.6	71.8	7.3	5.9	10948.3	2377.1
86	252M1086	1.0	79.0	95.0	67.4	71.2	9.4	7.6	10900.6	2855.4
136	252M1136	3.0	80.0	107.0	61.0	71.6	4.8	3.3	10874.5	2756.1
58	252M1058	3.0	83.0	102.0	65.4	71.5	8.4	5.4	10862.1	3559.7
23	252M1023	1.0	82.0	87.0	59.0	72.1	5.3	3.6	10833.4	4339.1
33	252M1033	3.0	83.0	99.0	53.5	70.8	10.6	6.5	10780.0	3989.3
57	252M1057	1.0	81.0	94.0	66.9	70.1	6.4	4.9	10759.4	2775.6
134	252M1134	3.0	83.0	96.0	57.8	70.8	2.9	1.7	10706.1	4276.4
69	252M1069	3.0	80.0	100.0	65.5	72.1	2.9	1.8	10685.0	5273.4
96	252M1096	3.0	80.0	100.0	65.1	71.9	4.5	2.8	10678.4	4340.7
123	252M1123	3.0	80.0	104.0	59.3	70.5	5.8	4.3	10674.4	2699.3
40	252M1040	3.0	83.0	103.0	58.9	71.4	3.9	3.0	10663.6	3663.6
115	252M1115	3.0	81.0	98.0	65.0	72.3	7.6	5.3	10651.5	3034.4
83	252M1083	3.0	80.0	104.0	47.6	70.7	6.1	4.9	10542.1	3515.1
1	252M1001	1.0	80.0	100.0	69.0	71.4	6.7	7.1	10538.2	2711.3
93	252M1093	1.0	82.0	102.0	67.2	71.6	7.6	5.2	10501.7	2934.8
120	252M1120	3.0	79.0	88.0	63.7	72.0	8.1	5.9	10501.5	1841.8
67	252M1067	3.0	82.0	84.0	38.5	69.9	6.7	4.6	10460.3	2358.9
64	252M1064	3.0	81.0	103.0	61.1	72.8	2.9	1.6	10423.1	3761.9
45	252M1045	3.0	83.0	88.0	58.9	72.5	2.6	1.9	10411.6	3121.6
12	252M1012	3.0	83.0	92.0	55.1	72.3	10.1	6.7	10393.6	2701.8
131	252M1131	3.0	79.0	98.0	65.6	71.5	4.5	3.4	10343.4	4342.3
66	252M1066	3.0	82.0	91.0	56.5	70.7	7.5	5.4	10321.8	3045.4
14	252M1014	3.0	80.0	96.0	65.1	72.2	4.7	3.4	10309.0	3028.3
130	252M1130	3.0	81.0	94.0	66.4	71.7	5.5	4.1	10299.1	3622.0
41	252M1041	3.0	83.0	100.0	58.6	72.2	3.1	1.5	10294.6	4121.5
87	252M1087	3.0	79.0	96.0	59.6	71.7	4.4	4.0	10232.9	3763.9
70	252M1070	3.0	80.0	110.0	62.6	70.9	3.9	2.6	10199.5	3865.9
113	252M1113	3.0	84.0	100.0	63.8	71.2	6.5	4.6	10197.3	3341.9
3	252M1003	3.0	80.0	97.0	58.9	71.0	3.1	1.7	10185.9	2968.9
112	252M1112	3.0	83.0	101.0	61.6	71.5	7.1	5.8	10177.8	3341.0
81	252M1081	1.0	81.0	89.0	66.3	72.3	7.2	3.5	10172.4	2550.9
142	252M1142	3.0	83.0	95.0	58.1	70.8	10.3	6.6	10147.4	3302.1
94	252M1094	3.0	81.0	91.0	59.9	70.3	3.5	2.6	10142.6	3252.7
16	252M1016	1.0	81.0	102.0	65.1	73.7	4.0	2.7	10116.5	3792.0
34	252M1034	3.0	82.0	94.0	62.1	71.6	6.6	4.4	10099.2	4114.2
30	252M1030	3.0	83.0	90.0	66.0	73.2	3.6	3.0	10095.3	4773.3
129	252M1129	3.0	82.0	106.0	65.7	70.6	9.0	6.9	10084.9	2312.5
92	252M1092	3.0	83.0	97.0	63.4	70.7	4.1	2.8	10057.8	3551.2
138	252M1138	1.0	82.0	97.0	57.4	70.1	4.1	2.7	10057.8	3244.7
56	252M1056	3.0	85.0	96.0	64.2	71.2	9.1	5.8	10034.4	3576.6

Continued.

Table 5. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
126	252M1126	3.0	85.0	96.0	64.6	70.6	5.5	5.0	10024.8	3236.7
53	252M1053	1.0	80.0	96.0	58.5	71.6	4.6	3.8	9993.5	2595.3
99	252M1099	3.0	80.0	99.0	67.3	72.4	7.5	6.1	9986.7	2400.2
111	252M1111	1.0	85.0	104.0	66.4	72.8	3.7	2.6	9986.3	4070.2
32	252M1032	3.0	81.0	99.0	56.9	70.5	4.0	2.8	9982.1	4344.0
42	252M1042	1.0	83.0	95.0	60.1	70.8	9.5	7.3	9963.1	2801.8
13	252M1013	3.0	86.0	91.0	67.8	71.5	6.2	5.3	9956.9	2659.8
68	252M1068	3.0	79.0	101.0	48.2	70.2	5.0	2.2	9943.9	3216.7
9	252M1009	3.0	78.0	102.0	54.7	71.4	6.8	4.3	9934.7	3324.2
135	252M1135	3.0	80.0	100.0	61.5	71.5	3.9	2.7	9933.5	2765.9
20	252M1020	5.0	82.0	91.0	61.4	72.4	6.8	5.1	9914.3	4373.9
146	252M1146	3.0	85.0	88.0	53.1	71.5	8.4	4.5	9907.7	2957.4
84	252M1084	1.0	79.0	94.0	55.2	70.6	5.2	3.9	9898.9	3106.0
122	252M1122	3.0	81.0	95.0	60.7	69.6	6.3	3.7	9855.8	4783.4
137	252M1137	3.0	81.0	110.0	63.0	71.3	3.5	2.3	9855.8	3761.6
118	252M1118	3.0	86.0	91.0	65.8	70.7	8.1	5.4	9854.5	2701.8
140	252M1140	3.0	83.0	110.0	60.7	71.8	6.4	4.8	9842.9	2682.1
4	252M1004	3.0	84.0	100.0	56.3	70.4	2.5	1.4	9834.0	3376.1
141	252M1141	3.0	84.0	88.0	60.1	71.7	11.2	7.3	9823.3	3252.5
133	252M1133	1.0	79.0	94.0	53.7	71.7	4.2	3.0	9807.7	4075.6
7	252M1007	1.0	81.0	100.0	64.6	71.5	4.7	2.7	9796.5	4276.7
124	252M1124	3.0	82.0	95.0	63.2	70.3	6.4	5.6	9777.3	2761.3
139	252M1139	3.0	80.0	92.0	57.3	69.7	4.4	3.6	9776.0	3890.4
26	252M1026	3.0	81.0	95.0	60.5	71.7	4.9	3.3	9775.3	4463.4
63	252M1063	3.0	85.0	97.0	65.0	71.1	8.9	5.3	9771.6	2634.9
85	252M1085	3.0	82.0	108.0	64.0	71.2	9.1	7.4	9759.4	3857.9
38	252M1038	3.0	86.0	97.0	62.9	72.2	4.7	3.4	9700.8	3382.9
103	252M1103	3.0	81.0	108.0	66.1	71.4	7.4	5.5	9698.0	3575.4
18	252M1018	3.0	83.0	92.0	68.2	73.7	5.1	3.6	9645.3	3818.3
78	252M1078	3.0	80.0	100.0	63.1	70.6	6.7	4.6	9633.2	2800.9
117	252M1117	3.0	86.0	93.0	67.9	72.4	6.4	5.6	9619.6	2809.7
59	252M1059	3.0	83.0	100.0	63.1	70.6	5.7	4.7	9561.3	3283.5
5	252M1005	1.0	80.0	101.0	61.6	70.7	7.3	5.7	9550.6	3412.4
109	252M1109	3.0	85.0	102.0	64.8	72.0	5.0	4.0	9521.7	3373.2
89	252M1089	3.0	82.0	96.0	57.4	71.4	2.4	1.2	9455.3	5059.2
50	252M1050	3.0	84.0	98.0	64.5	71.5	3.1	2.5	9448.1	3906.2
148	252M1148	1.0	80.0	98.0	67.4	72.3	6.7	4.4	9443.1	2927.2
121	252M1121	3.0	81.0	97.0	61.2	70.2	5.0	3.8	9434.5	1458.1
29	252M1029	3.0	81.0	92.0	61.1	71.3	6.5	3.9	9413.0	3286.5
54	252M1054	3.0	83.0	93.0	63.9	72.8	4.1	2.6	9395.8	3692.8
90	252M1090	3.0	80.0	104.0	61.3	72.0	4.0	2.7	9384.9	5333.3
2	252M1002	3.0	82.0	97.0	62.8	71.4	5.0	3.3	9382.1	4166.5
98	252M1098	3.0	83.0	90.0	58.5	70.5	6.4	4.2	9377.5	2803.0
72	252M1072	1.0	80.0	100.0	52.5	71.8	3.3	2.3	9342.1	4392.2
110	252M1110	1.0	83.0	103.0	66.0	72.3	12.2	9.4	9319.8	3050.3
11	252M1011	3.0	86.0	84.0	50.4	69.9	11.0	5.9	9315.5	3012.8
108	252M1108	3.0	85.0	97.0	55.1	70.7	6.8	4.2	9309.7	4131.1
27	252M1027	3.0	86.0	105.0	65.7	72.9	6.1	4.8	9294.9	3132.5
10	252M1010	3.0	83.0	82.0	51.1	70.7	4.5	2.9	9246.6	3572.6
49	252M1049	3.0	83.0	91.0	59.5	71.7	4.6	3.0	9223.8	4020.3
8	252M1008	3.0	80.0	93.0	45.2	69.7	5.8	3.6	9198.0	2707.7

Continued.

Table 5. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
106	252M1106	3.0	85.0	102.0	60.5	71.9	5.2	3.3	9165.4	3055.4
132	252M1132	1.0	82.0	90.0	54.7	70.9	1.8	1.2	9159.6	3423.7
125	252M1125	3.0	79.0	101.0	55.0	70.3	6.3	4.0	9157.1	4020.6
22	252M1022	5.0	82.0	104.0	57.8	71.3	9.1	6.2	9155.3	3575.9
102	252M1102	3.0	82.0	104.0	61.6	71.2	8.1	5.1	9143.8	3629.9
77	252M1077	1.0	85.0	96.0	64.1	71.4	15.4	11.1	9111.0	2197.4
39	252M1039	3.0	86.0	89.0	68.7	72.7	3.5	2.9	9072.0	4433.5
116	252M1116	3.0	82.0	93.0	63.8	72.2	3.4	2.1	9059.4	3250.2
62	252M1062	3.0	82.0	87.0	62.8	72.2	5.0	3.3	9048.1	3395.6
19	252M1019	1.0	85.0	93.0	65.8	71.8	1.5	0.7	9048.0	4934.1
48	252M1048	1.0	83.0	98.0	52.0	71.3	3.7	3.1	9044.5	3933.5
91	252M1091	3.0	80.0	106.0	57.8	70.9	3.5	2.1	9041.8	3590.3
80	252M1080	1.0	80.0	101.0	64.0	71.1	7.1	4.5	9034.3	3341.0
60	252M1060	5.0	85.0	91.0	61.7	72.0	3.9	3.6	9028.4	1895.2
88	252M1088	3.0	80.0	94.0	62.9	71.7	6.3	5.6	9020.6	2731.2
127	252M1127	3.0	81.0	102.0	65.4	71.3	8.2	6.3	9000.3	3639.6
104	252M1104	3.0	85.0	104.0	67.2	72.4	9.4	7.0	8984.3	3494.5
25	252M1025	3.0	83.0	93.0	59.6	72.7	7.0	4.8	8907.9	3236.3
35	252M1035	1.0	79.0	93.0	61.2	71.3	7.5	5.1	8901.1	3787.8
61	252M1061	3.0	86.0	94.0	58.6	72.1	4.0	3.0	8851.0	3150.2
101	252M1101	3.0	85.0	95.0	66.0	70.9	9.9	6.9	8820.9	2414.8
28	252M1028	3.0	83.0	99.0	63.9	70.6	11.5	8.8	8803.5	2145.0
73	252M1073	3.0	83.0	100.0	62.0	71.2	5.3	3.8	8803.3	4134.6
55	252M1055	1.0	85.0	105.0	67.7	72.9	4.9	3.2	8768.4	2972.8
46	252M1046	3.0	85.0	98.0	65.8	72.6	6.0	5.5	8737.4	4047.0
144	252M1144	1.0	81.0	85.0	55.6	70.6	8.4	4.1	8710.1	3829.7
97	252M1097	5.0	82.0	88.0	63.9	72.1	6.1	4.7	8701.6	3595.9
100	252M1100	3.0	81.0	94.0	67.2	72.7	9.5	6.2	8672.1	3559.0
143	252M1143	3.0	83.0	96.0	55.7	69.4	10.7	5.6	8659.5	3294.8
128	252M1128	1.0	78.0	102.0	60.0	70.7	7.7	5.7	8601.3	4026.6
119	252M1119	3.0	85.0	102.0	68.5	72.9	5.7	4.3	8590.5	2602.5
31	252M1031	3.0	81.0	92.0	60.3	73.0	4.1	2.7	8575.1	4039.9
52	252M1052	3.0	85.0	106.0	40.3	70.3	6.6	4.6	8427.6	2514.5
65	252M1065	3.0	83.0	83.0	58.6	71.2	5.3	3.6	8406.2	2433.5
24	252M1024	3.0	81.0	92.0	52.7	70.7	4.9	3.1	8380.3	3750.4
51	252M1051	3.0	80.0	102.0	57.9	69.9	5.2	3.7	8324.0	2895.2
21	252M1021	3.0	80.0	93.0	48.7	69.3	9.7	6.4	8300.5	2485.1
147	252M1147	1.0	81.0	85.0	55.4	70.8	6.4	3.5	8206.1	3479.4
44	252M1044	1.0	80.0	89.0	54.5	70.3	6.1	3.7	8202.8	4284.4
17	252M1017	3.0	81.0	99.0	59.2	70.7	3.8	1.5	8130.2	3184.5
36	252M1036	3.0	83.0	98.0	64.2	72.0	4.7	3.5	8126.0	4379.1
37	252M1037	3.0	83.0	87.0	61.9	71.2	6.2	5.4	7857.9	2801.4
76	252M1076	3.0	83.0	93.0	65.1	72.7	4.2	2.3	7853.9	1751.7
105	252M1105	3.0	81.0	113.0	55.1	71.5	6.2	4.2	7811.0	2565.5
107	252M1107	3.0	81.0	104.0	62.0	72.5	6.7	5.5	7556.3	3933.5
74	252M1074	3.0	79.0	96.0	59.8	70.8	7.5	4.5	7395.5	2575.2
47	252M1047	1.0	83.0	94.0	52.7	69.0	4.8	3.7	7329.0	3847.1
82	252M1082	3.0	81.0	107.0	65.2	71.2	6.9	4.8	7098.8	3210.1
43	252M1043	3.0	80.0	82.0	65.0	72.5	3.8	2.6	4727.9	3505.2

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 6. Grain and milling yields and agronomic performance of entries in the 2025 Clearfield Preliminary Yield Medium-Grain trial – Late Planting. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
89	252M1089	1.0	74.0	101.0	56.6	68.7	6.3	4.9	10926.9	4337.0
75	252M1075	3.0	70.0	92.0	51.3	70.2	11.0	8.1	10729.4	4151.8
71	252M1071	1.0	71.0	97.0	62.7	69.3	5.5	3.5	10670.9	3336.3
45	252M1045	1.0	75.0	110.0	70.6	73.4	2.4	1.5	10630.0	3594.4
67	252M1067	3.0	74.0	99.0	54.9	69.2	8.4	5.9	10615.5	3697.7
96	252M1096	3.0	74.0	105.0	63.0	68.8	4.9	4.2	10613.7	4472.0
12	252M1012	1.0	72.0	99.0	53.4	69.2	12.7	7.5	10489.3	2413.8
66	252M1066	3.0	73.0	95.0	49.0	69.2	5.5	4.4	10467.9	3631.4
40	252M1040	1.0	74.0	100.0	58.9	70.2	7.7	5.1	10464.1	3328.2
53	252M1053	3.0	72.0	95.0	60.8	69.5	7.3	5.9	10437.7	3772.5
123	252M1123	3.0	70.0	111.0	61.7	68.6	7.9	6.3	10203.3	3149.4
6	252M1006	1.0	77.0	101.0	63.9	70.3	5.2	3.1	10157.3	3888.2
134	252M1134	3.0	75.0	97.0	65.9	69.4	2.8	2.3	10156.9	3996.4
85	252M1085	3.0	72.0	110.0	62.3	69.4	6.6	5.7	10143.0	3527.0
18	252M1018	3.0	75.0	94.0	67.6	71.3	7.3	7.1	10133.0	3570.8
69	252M1069	3.0	72.0	96.0	65.1	69.6	4.4	2.7	10132.2	3365.4
133	252M1133	3.0	72.0	102.0	61.1	70.5	2.9	2.2	10104.3	3268.0
150	CLM05	3.0	77.0	94.0	65.5	69.3	7.1	6.4	10102.1	3599.7
90	252M1090	3.0	72.0	110.0	65.4	70.8	3.6	3.0	10076.1	4241.6
149	CLM04	1.0	77.0	106.0	66.4	70.4	7.9	6.8	10053.8	2726.8
112	252M1112	1.0	73.0	109.0	63.6	70.6	11.4	8.8	10048.5	2744.1
142	252M1142	1.0	74.0	104.0	65.2	69.7	13.6	10.2	10035.7	3381.5
92	252M1092	3.0	75.0	100.0	63.7	69.0	7.5	4.7	10029.5	3326.3
106	252M1106	1.0	77.0	107.0	63.8	69.6	9.0	6.6	10002.5	3199.5
115	252M1115	3.0	74.0	102.0	63.6	68.9	8.2	6.3	9993.5	3007.2
122	252M1122	3.0	76.0	109.0	63.9	67.4	6.5	5.2	9987.3	3832.0
72	252M1072	3.0	73.0	106.0	62.4	71.1	6.4	5.5	9921.8	3261.7
27	252M1027	3.0	76.0	114.0	65.6	71.1	8.2	6.2	9915.2	2235.1
33	252M1033	3.0	75.0	103.0	64.0	70.0	11.4	8.2	9880.3	4244.2
94	252M1094	3.0	73.0	99.0	67.4	70.7	7.1	5.1	9876.4	3581.9
146	252M1146	1.0	77.0	97.0	61.8	70.0	12.8	9.0	9874.3	2541.0
30	252M1030	1.0	77.0	98.0	70.8	74.5	5.5	5.3	9873.0	4576.5
70	252M1070	3.0	72.0	103.0	67.3	71.0	7.7	5.4	9862.3	3601.5
32	252M1032	1.0	72.0	102.0	67.6	71.1	7.0	5.1	9848.5	4403.0
140	252M1140	3.0	75.0	100.0	63.4	68.6	10.8	7.3	9834.3	3311.4
108	252M1108	1.0	77.0	105.0	65.1	70.5	9.1	6.6	9831.6	3006.6
113	252M1113	3.0	77.0	102.0	65.1	69.4	10.2	8.1	9817.2	2183.2
55	252M1055	1.0	75.0	102.0	66.7	70.3	7.6	6.3	9806.4	2415.4
93	252M1093	3.0	76.0	102.0	64.0	69.2	6.3	4.7	9760.3	3166.1
148	252M1148	1.0	74.0	101.0	65.9	70.6	11.3	6.5	9707.3	3146.4
16	252M1016	1.0	77.0	113.0	65.1	71.5	7.9	4.7	9706.9	2593.8
25	252M1025	3.0	74.0	94.0	66.1	71.3	6.7	4.9	9703.1	3425.3
111	252M1111	1.0	75.0	103.0	68.6	72.2	6.8	5.4	9697.9	3535.8
26	252M1026	1.0	73.0	104.0	58.7	70.1	6.4	2.9	9694.1	4109.2
23	252M1023	1.0	75.0	101.0	62.6	70.8	7.7	4.2	9654.7	3889.5
141	252M1141	3.0	77.0	105.0	64.9	69.9	11.6	8.6	9649.0	3379.7
38	252M1038	1.0	77.0	99.0	66.0	70.2	6.7	6.0	9647.4	3398.0
49	252M1049	1.0	74.0	97.0	58.1	69.5	4.7	2.5	9631.6	3864.4
58	252M1058	1.0	76.0	97.0	63.9	68.9	10.7	7.6	9622.8	3212.9
105	252M1105	3.0	74.0	118.0	68.4	72.5	7.1	6.4	9606.9	1878.0

Continued.

Table 6. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
3	252M1003	3.0	76.0	102.0	67.0	70.3	2.6	2.0	9600.3	4187.7
125	252M1125	3.0	68.0	101.0	58.5	65.7	5.7	4.6	9598.3	3840.5
145	252M1145	1.0	76.0	95.0	63.6	72.1	13.6	10.2	9593.8	2773.2
91	252M1091	1.0	72.0	105.0	60.5	69.5	3.9	2.5	9587.0	4376.4
13	252M1013	3.0	79.0	95.0	65.6	70.1	5.5	4.9	9586.8	2262.0
15	252M1015	1.0	73.0	96.0	61.2	68.9	12.7	9.4	9579.1	4211.9
62	252M1062	1.0	74.0	87.0	64.5	72.0	7.9	5.9	9552.3	3034.2
124	252M1124	3.0	72.0	95.0	61.9	68.6	10.9	10.0	9550.5	3222.6
64	252M1064	3.0	71.0	103.0	58.7	70.7	2.6	1.7	9550.3	4690.2
95	252M1095	3.0	74.0	104.0	64.3	68.7	7.6	5.7	9542.8	4167.0
47	252M1047	1.0	77.0	91.0	65.4	69.9	4.4	3.0	9536.9	4315.4
5	252M1005	3.0	72.0	106.0	67.6	71.2	8.7	5.1	9521.7	4029.4
79	252M1079	1.0	71.0	102.0	46.1	68.0	11.1	4.4	9505.9	3814.1
136	252M1136	3.0	71.0	108.0	64.2	70.0	5.0	4.2	9479.2	3472.8
39	252M1039	1.0	76.0	95.0	70.1	73.2	2.5	1.6	9448.8	4534.7
129	252M1129	3.0	75.0	100.0	63.9	68.2	9.9	8.5	9446.3	2505.7
127	252M1127	3.0	72.0	104.0	62.2	67.4	7.1	6.4	9411.2	3913.2
84	252M1084	1.0	69.0	104.0	65.6	70.3	6.4	5.6	9409.0	3363.3
135	252M1135	3.0	73.0	100.0	64.5	69.8	2.9	2.0	9407.0	3338.3
110	252M1110	1.0	76.0	108.0	66.5	71.1	12.0	10.6	9375.7	3425.1
131	252M1131	1.0	70.0	103.0	68.0	70.5	6.7	4.1	9372.1	3663.4
20	252M1020	1.0	73.0	95.0	63.4	70.9	12.4	8.1	9367.4	3625.1
59	252M1059	3.0	76.0	110.0	65.5	69.8	7.3	6.5	9353.2	4254.5
50	252M1050	3.0	77.0	105.0	66.3	70.6	3.8	3.0	9352.0	3364.5
34	252M1034	1.0	75.0	92.0	67.6	72.7	10.9	8.2	9350.5	3896.7
78	252M1078	3.0	72.0	99.0	62.4	68.2	11.6	7.3	9349.1	1918.1
86	252M1086	1.0	72.0	104.0	61.6	69.5	11.7	10.5	9321.2	2509.4
144	252M1144	3.0	75.0	99.0	67.0	71.2	9.4	5.8	9319.8	3682.5
104	252M1104	3.0	75.0	117.0	66.0	70.2	12.4	9.4	9319.4	3286.1
80	252M1080	1.0	72.0	96.0	63.9	71.1	9.6	5.2	9319.0	3643.2
143	252M1143	3.0	75.0	101.0	66.6	71.1	13.4	8.7	9313.7	2221.6
19	252M1019	1.0	78.0	97.0	68.0	70.9	2.7	2.0	9299.3	4378.5
83	252M1083	3.0	72.0	102.0	59.0	70.7	6.6	5.5	9294.8	3181.0
132	252M1132	3.0	74.0	101.0	64.0	69.5	3.7	2.2	9293.2	3600.0
120	252M1120	3.0	75.0	97.0	64.4	70.1	9.7	7.0	9293.2	1558.1
137	252M1137	3.0	73.0	102.0	66.7	69.9	6.0	4.5	9286.8	3061.0
63	252M1063	3.0	75.0	99.0	62.5	67.6	10.1	7.7	9273.7	3307.8
29	252M1029	3.0	73.0	95.0	63.0	68.9	10.5	7.4	9266.4	3161.5
99	252M1099	3.0	71.0	100.0	62.9	67.6	10.2	7.2	9259.5	2014.1
51	252M1051	1.0	73.0	97.0	67.5	70.3	7.0	4.8	9253.8	3757.5
4	252M1004	1.0	75.0	109.0	62.4	70.8	2.2	1.7	9240.2	4082.8
56	252M1056	1.0	78.0	105.0	65.3	69.4	10.6	5.5	9224.4	3514.9
102	252M1102	1.0	75.0	101.0	66.4	71.0	11.5	7.3	9201.4	3875.0
14	252M1014	3.0	73.0	95.0	64.7	70.3	8.7	7.8	9198.2	2590.5
48	252M1048	1.0	77.0	102.0	60.1	70.1	5.5	3.5	9194.1	3747.9
118	252M1118	3.0	76.0	95.0	63.7	68.7	14.1	11.2	9190.3	2916.5
107	252M1107	1.0	71.0	103.0	64.4	69.8	8.9	7.4	9156.9	3777.2
41	252M1041	1.0	75.0	99.0	60.2	71.8	5.0	3.5	9127.3	3797.6
130	252M1130	3.0	74.0	94.0	65.3	69.8	9.2	7.4	9118.9	2118.0
139	252M1139	3.0	72.0	96.0	64.5	68.6	4.5	3.3	9118.1	3584.7
36	252M1036	3.0	77.0	93.0	61.3	68.6	6.5	6.1	9107.1	4526.2

Continued.

Table 6. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk (%)	Yield (lb/A)	Ratoon Yield (lb/A)
138	252M1138	3.0	76.0	103.0	64.7	68.6	5.4	3.8	9077.8
128	252M1128	3.0	71.0	106.0	64.3	69.0	10.6	9.5	9062.9
60	252M1060	3.0	77.0	94.0	67.3	71.5	6.8	6.1	9059.3
2	252M1002	3.0	76.0	110.0	68.2	71.3	10.3	8.9	9053.4
52	252M1052	1.0	75.0	101.0	62.8	71.1	9.2	6.2	8999.8
87	252M1087	3.0	72.0	100.0	66.7	71.8	7.9	6.0	8980.3
126	252M1126	3.0	75.0	98.0	60.9	67.4	7.7	6.8	8951.3
109	252M1109	3.0	77.0	101.0	66.3	70.8	10.2	8.0	8918.8
9	252M1009	1.0	70.0	98.0	50.1	70.3	4.3	3.7	8913.0
61	252M1061	3.0	74.0	97.0	63.6	71.2	8.9	7.6	8871.4
11	252M1011	1.0	78.0	97.0	59.7	68.5	11.5	5.8	8805.4
100	252M1100	1.0	71.0	108.0	65.5	70.1	11.7	9.5	8792.7
81	252M1081	1.0	72.0	95.0	51.8	69.8	6.5	2.0	8778.1
97	252M1097	3.0	75.0	99.0	64.4	69.2	10.3	8.1	8757.1
82	252M1082	3.0	73.0	106.0	63.4	68.4	11.0	7.2	8739.5
46	252M1046	1.0	76.0	101.0	62.1	70.3	7.8	7.7	8700.6
101	252M1101	3.0	77.0	101.0	61.9	67.1	11.7	10.3	8666.1
119	252M1119	3.0	76.0	102.0	65.6	70.6	8.5	7.3	8620.5
116	252M1116	3.0	75.0	99.0	-	-	-	-	8620.2
121	252M1121	3.0	75.0	96.0	65.6	70.9	7.6	4.9	8573.4
147	252M1147	1.0	74.0	104.0	66.2	70.2	7.1	4.2	8554.1
24	252M1024	3.0	72.0	92.0	50.5	67.6	9.2	7.0	8553.0
31	252M1031	1.0	72.0	95.0	67.0	71.7	3.9	2.6	8544.7
35	252M1035	1.0	70.0	98.0	59.5	69.7	8.0	6.3	8531.8
68	252M1068	3.0	72.0	102.0	53.0	68.9	11.8	7.0	8480.5
37	252M1037	3.0	74.0	97.0	65.4	70.0	7.6	6.4	8456.2
1	252M1001	3.0	76.0	106.0	65.2	68.9	6.5	5.9	8455.6
117	252M1117	3.0	78.0	99.0	66.6	71.4	9.7	7.6	8451.2
10	252M1010	3.0	76.0	101.0	59.3	69.1	6.7	3.0	8421.8
42	252M1042	3.0	76.0	104.0	62.9	68.8	11.8	9.0	8373.7
98	252M1098	3.0	73.0	96.0	65.3	69.6	10.1	6.6	8310.6
54	252M1054	1.0	74.0	100.0	62.7	70.4	8.6	7.4	8295.8
22	252M1022	3.0	72.0	97.0	61.0	68.8	11.9	7.2	8288.7
114	252M1114	3.0	73.0	97.0	66.5	70.7	9.8	7.2	8285.3
17	252M1017	1.0	75.0	100.0	68.1	70.8	6.5	4.1	8258.5
57	252M1057	3.0	75.0	91.0	66.2	70.5	10.2	6.7	8177.9
8	252M1008	1.0	69.0	96.0	41.0	67.2	11.0	6.4	8172.1
76	252M1076	3.0	74.0	94.0	64.0	70.1	8.5	6.3	8118.9
88	252M1088	3.0	72.0	102.0	67.3	71.6	13.1	12.3	8103.7
7	252M1007	3.0	79.0	102.0	65.8	70.5	5.9	3.9	7988.6
77	252M1077	3.0	75.0	100.0	64.8	70.2	18.1	12.5	7984.9
103	252M1103	3.0	73.0	98.0	65.8	69.9	10.6	8.1	7969.6
28	252M1028	3.0	74.0	95.0	61.5	67.7	12.2	10.2	7956.8
44	252M1044	1.0	74.0	98.0	57.9	68.1	7.0	3.3	7953.3
65	252M1065	1.0	71.0	97.0	65.0	70.8	5.0	3.1	7849.6
73	252M1073	3.0	72.0	103.0	65.5	71.4	7.8	4.5	7648.3
21	252M1021	1.0	70.0	92.0	31.7	65.4	14.2	8.7	7443.3
74	252M1074	1.0	70.0	103.0	65.6	71.3	10.6	6.4	6578.1
43	252M1043	3.0	73.0	89.0	62.7	68.6	6.6	6.0	6475.7

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Provisia Preliminary Yield Trial

The Provisia Preliminary Yield (PVPYL) Long-Grain trials consist primarily of promising breeding nursery material that is ready to be tested in replicated yield trials. The material in these trials was screened for agronomic and grain characteristics in nurseries prior to this phase of testing. Promising experimental lines were evaluated for seedling vigor, maturity, plant height, lodging resistance, grain yield of main and ratoon crops, and disease resistance.

Trials were conducted using standard agronomic practices (except that no fungicides were applied) at the H. Rouse Caffey Rice Research Station (HRCRRS), Rayne, LA. Provisia herbicide was applied at 30 oz (2x rate) on April 15 to the PVPYL and 15 oz (1x rate) on April 29 to the PVPYL-Late trials. A complete randomized design was applied to arrange test entries. The plot size was 4.66 x 16.5 ft. Seeding rate was 75 lb/A. Planting and harvesting dates are found in Table 1, while entry number, herbicide type, pedigree, grain type, and source are in Table 2. Data is presented in Tables 3 and 4 in order of descending yield (lb/A).

Table 1. Planting and harvesting dates for the 2025 Provisia Preliminary Yield Long-Grain trials.

Location	Trial	Planting	Harvesting
HRCRRS	PVPYL	3/3	7/23
	PVPYL – Late Planting	4/4	8/5

Table 2. Entry number, pedigree, grain type, and source information for entries in the 2025 Provisia Preliminary Yield Long-Grain trial.

HT*	Entry	Line	Pedigree	Grain Type†	Source‡
PV	1	253L1001	RU2002070/AddiJo	LG HI	LAES
PV	2	253L1002	RU2002070/RU2002122	LG HI	LAES
PV	3	253L1003	RU2002070/RU2002122	LG HI	LAES
PV	4	253L1004	RU2002070/RU2002122	LG HI	LAES
PV	5	253L1005	Avant/RU2002170	LG	LAES
PV	6	253L1006	Mermentau/RU2002170	LG	LAES
PV	7	253L1007	RU2002070/RU2002232	LG	LAES
PV	8	253L1008	RU2002070/RU2002232	LG	LAES
PV	9	253L1009	RU2002070/RU2002232	LG	LAES
PV	10	253L1010	RU2002178/RU1702140	LG	LAES
PV	11	253L1011	RU2002178/RU1702140	LG	LAES
PV	12	253L1012	191L1056/RU2002174	LG	LAES
PV	13	253L1013	191L1056/RU2002174	LG	LAES
PV	14	253L1014	RU2002174/RU1902207	LG	LAES
PV	15	253L1015	RU2002174/RU1902207	LG	LAES
PV	16	253L1016	19T262-F2-P3/RU2002150	LG	LAES
PV	17	253L1017	19T262-F2-P3/RU2002150	LG	LAES
PV	18	253L1018	19T262-F2-P3/RU2002150	LG	LAES
PV	19	253L1019	19T262-F2-P2/RU2002232	LG	LAES
PV	20	253L1020	19T262-F2-P1/RU1902207	LG	LAES
PV	21	253L1021	19T262-F2-P1/RU2002217	LG	LAES
PV	22	253L1022	19T262-F2-P1/RU2002217	LG	LAES
PV	23	253L1023	203L1001/AddiJo	LG HI	LAES
PV	24	253L1024	203L1001/RU2102158	LG HI	LAES
PV	25	253L1025	203L1053/Avant	LG HI	LAES
PV	26	253L1026	203L1053/Avant	LG HI	LAES
PV	27	253L1027	RU2002070/191L2066	LG HI	LAES
PV	28	253L1028	RU2002070/191L2066	LG HI	LAES
PV	29	253L1029	191L2066/RU2002174	LG HI	LAES
PV	30	253L1030	191L2066/RU2002174	LG HI	LAES
PV	31	253L1031	RU1902207/193L2052	LG	LAES
PV	32	253L1032	193L2012/RU1902207	LG	LAES
PV	33	253L1033	203L1001/RU1902207	LG	LAES
PV	34	253L1034	203L1001/RU1902207	LG	LAES
PV	35	253L1035	203L1001/RU1902207	LG	LAES
PV	36	253L1036	203L1001/RU1902207	LG	LAES
PV	37	253L1037	RU2002066/Avant	LG	LAES
PV	38	253L1038	RU2002066/Avant	LG	LAES
PV	39	253L1039	RU1902207/193L1099	LG	LAES
PV	40	253L1040	RU1902207/193L1099	LG	LAES
PV	41	253L1041	PVL03/191L2066	LG	LAES
PV	42	253L1042	PVL03/191L2066	LG	LAES
PV	43	253L1043	PVL03/191L2066	LG	LAES
PV	44	253L1044	203L1011/AddiJo	LG HI	LAES
PV	45	253L1045	PVL03/191L2066	LG	LAES
PV	46	253L1046	PVL03/191L2066	LG	LAES
PV	47	253L1047	PVL03/191L2066	LG	LAES
PV	48	253L1048	203L1001/RU2002182	LG	LAES
PV	49	253L1049	203L1001/RU2002182	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
PV	50	253L1050	203L1001/RU2002182	LG	LAES
PV	51	253L1051	RU2102186/RU2102207	AL	LAES
PV	52	253L1052	RU2102186/RU2102207	AL	LAES
PV	53	253L1053	RU2102186/RU2102207	AL	LAES
PV	54	253L1054	RU2102186/RU2102207	AL	LAES
PV	55	253L1055	RU2102186/RU2102207	AL	LAES
PV	56	253L1056	RU2102186/RU2102207	AL	LAES
PV	57	253L1057	RU2102186/RU2102207	AL	LAES
PV	58	253L1058	RU2102186/RU2102207	AL	LAES
PV	59	253L1059	203L1086/Avant	LG	LAES
PV	60	253L1060	203L1086/Avant	LG	LAES
PV	61	253L1061	203L1086/Avant	LG	LAES
PV	62	253L1062	203L1086/Avant	LG	LAES
Seg	63	253L1063	203L1177/201L1288	LG	LAES
Seg	64	253L1064	203L1177/201L1288	LG	LAES
Seg	65	253L1065	203L1177/201L1288	LG	LAES
PV	66	253L1066	203L1177/201L1288	LG	LAES
Seg	67	253L1067	203L1177/201L1288	LG	LAES
Seg	68	253L1068	203L1177/201L1288	LG	LAES
PV	69	253L1069	203L1177/201L1288	LG HI	LAES
Seg	70	253L1070	203L1177/201L1288	LG	LAES
Seg	71	253L1071	203L1177/201L1288	LG	LAES
Seg	72	253L1072	203L1177/201L1288	LG	LAES
Seg	73	253L1073	203L1177/201L1288	LG	LAES
Seg	74	253L1074	203L1177/201L1288	LG	LAES
Seg	75	253L1075	203L1177/201L1288	LG	LAES
Seg	76	253L1076	203L1177/201L1288	LG	LAES
Seg	77	253L1077	203L1177/201L1288	LG	LAES
Seg	78	253L1078	203L1177/201L1288	LG	LAES
Seg	79	253L1079	203L1177/201L1288	LG	LAES
Seg	80	253L1080	203L1177/201L1288	LG	LAES
PV	81	253L1081	213L1101/203L1011	LG HI	LAES
Seg	82	253L1082	203L1177/201L1288	LG	LAES
Seg	83	253L1083	203L1177/201L1288	LG	LAES
PV	84	253L1084	RU1902207/203L1086	LG	LAES
PV	85	253L1085	RU1902207/203L1086	LG	LAES
PV	86	253L1086	RU1902207/203L1086	LG	LAES
PV	87	253L1087	RU1902207/203L1086	LG	LAES
PV	88	253L1088	RU1902207/203L1086	LG	LAES
PV	89	253L1089	RU1902207/203L1086	LG	LAES
PV	90	253L1090	RU1902207/203L1086	LG	LAES
PV	91	253L1091	213L1184/Avant	LG	LAES
PV	92	253L1092	213L1184/Avant	LG	LAES
PV	93	253L1093	213L1184/Avant	LG	LAES
PV	94	253L1094	213L1184/Avant	LG	LAES
PV	95	253L1095	213L1184/Avant	LG	LAES
PV	96	253L1096	213L1184/Avant	LG	LAES
PV	97	253L1097	213L1184/Avant	LG	LAES
PV	98	253L1098	RU2002182/213L1247	LG	LAES
PV	99	253L1099	RU2002182/213L1247	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
PV	100	253L1100	RU2002182/213L1247	LG	LAES
PV	101	253L1101	RU2002182/213L1247	LG	LAES
PV	102	253L1102	RU2002182/213L1247	LG	LAES
PV	103	253L1103	RU2002182/213L1247	LG	LAES
PV	104	253L1104	213L1247/RU1902207	LG	LAES
PV	105	253L1105	213L1247/RU1902207	LG	LAES
PV	106	253L1106	213L1247/RU1902207	LG	LAES
PV	107	253L1107	213L1247/RU1902207	LG	LAES
PV	108	253L1108	213L1247/RU1902207	LG	LAES
PV	109	253L1109	213L1247/RU1902207	LG	LAES
PV	110	253L1110	213L1247/RU1902207	LG	LAES
PV	111	253L1111	213L1247/RU1902207	LG	LAES
PV	112	253L1112	213L1247/RU1902207	LG	LAES
PV	113	253L1113	PVL03/Ozark	LG	LAES
PV	114	253L1114	PVL03/Ozark	LG	LAES
PV	115	253L1115	PVL03/Ozark	LG	LAES
PV	116	253L1116	PVL03/Ozark	LG	LAES
PV	117	253L1117	PVL03/Ozark	LG	LAES
PV	118	253L1118	PVL03/Ozark	LG	LAES
PV	119	253L1119	PVL03/Ozark	LG	LAES
PV	120	253L1120	PVL03/Ozark	LG	LAES
PV	121	253L1121	PVL03/RU2102122	LG	LAES
PV	122	253L1122	PVL03/RU2102122	LG	LAES
PV	123	253L1123	PVL03/RU2102122	LG	LAES
PV	124	253L1124	PVL03/RU2102122	LG	LAES
PV	125	253L1125	PVL03/RU2102122	LG	LAES
PV	126	253L1126	PVL03/RU2102122	LG	LAES
PV	127	253L1127	PVL03/213L1247	LG	LAES
PV	128	253L1128	PVL03/213L1247	LG	LAES
PV	129	253L1129	PVL03/213L1247	LG	LAES
PV	130	253L1130	PVL03/213L1247	LG	LAES
PV	131	253L1131	PVL03/213L1247	LG	LAES
PV	132	253L1132	PVL03/213L1247	LG	LAES
PV	133	253L1133	PVL03/213L1247	LG	LAES
PV	134	253L1134	PVL03/213L1247	LG	LAES
PV	135	253L1135	PVL03/213L1247	LG	LAES
PV	136	253L1136	203L1104/203L1068	LG	LAES
PV	137	253L1137	203L1104/203L1068	LG	LAES
PV	138	253L1138	203L1104/203L1068	LG	LAES
PV	139	253L1139	203L1104/203L1068	LG	LAES
PV	140	253L1140	203L1104/203L1068	LG	LAES
PV	141	253L1141	203L1104/203L1068	LG	LAES
PV	142	253L1142	203L1104/203L1068	LG	LAES
PV	143	253L1143	213L1247/203L1104	LG	LAES
PV	144	253L1144	213L1247/203L1104	LG	LAES
PV	145	253L1145	213L1247/203L1104	LG	LAES
PV	146	253L1146	213L1247/203L1104	LG	LAES
PV	147	253L1147	213L1247/203L1104	LG	LAES
PV	148	253L1148	213L1247/203L1104	LG	LAES
PV	149	253L1149	213L1247/203L1104	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
PV	150	253L1150	213L1247/203L1104	LG	LAES
Seg	151	253L1151	PVL03/201L1251	LG	LAES
Seg	152	253L1152	PVL03/201L1251	LG	LAES
Seg	153	253L1153	PVL03/201L1251	LG	LAES
PV	154	253L1154	PVL03/201L1251	LG	LAES
Seg	155	253L1155	PVL03/201L1251	LG	LAES
Seg	156	253L1156	PVL03/201L1251	LG	LAES
PV	157	253L1157	PVL03/201L1251	LG	LAES
PV	158	253L1158	PVL03/203L1117	LG	LAES
Seg	159	253L1159	PVL03/201L1251	LG	LAES
Seg	160	253L1160	PVL03/201L1251	LG	LAES
PV	161	253L1161	PVL03/201L1251	LG	LAES
Seg	162	253L1162	PVL03/201L1251	LG	LAES
Seg	163	253L1163	PVL03/201L1251	LG	LAES
Seg	164	253L1164	PVL03/201L1251	LG	LAES
Seg	165	253L1165	PVL03/201L1251	LG	LAES
PV	166	253L1166	PVL03/201L1251	LG	LAES
Seg	167	253L1167	PVL03/201L1251	LG	LAES
Seg	168	253L1168	PVL03/201L1251	LG	LAES
Seg	169	253L1169	PVL03/201L1251	LG	LAES
Seg	170	253L1170	PVL03/201L1251	LG	LAES
Seg	171	253L1171	PVL03/201L1251	LG	LAES
PV	172	253L1172	201L1051/RU2102186	LG HI	LAES
PV	173	253L1173	201L1051/RU2102186	LG HI	LAES
PV	174	253L1174	201L1051/RU2102186	LG HI	LAES
PV	175	253L1175	201L1051/RU2102186	LG HI	LAES
PV	176	253L1176	201L1051/RU2102186	LG HI	LAES
PV	177	253L1177	201L1051/RU2102186	LG HI	LAES
PV	178	253L1178	201L1051/RU2102186	LG HI	LAES
PV	179	253L1179	201L1051/RU2102186	LG HI	LAES
PV	180	253L1180	201L1051/RU2102186	LG HI	LAES
PV	181	253L1181	201L1051/RU2102186	LG HI	LAES
PV	182	253L1182	201L1051/RU2102186	LG HI	LAES
PV	183	253L1183	AddiJo/213L1247	LG	LAES
PV	184	253L1184	AddiJo/213L1247	LG HI	LAES
PV	185	253L1185	AddiJo/213L1247	LG HI	LAES
PV	186	253L1186	AddiJo/213L1247	LG HI	LAES
PV	187	253L1187	AddiJo/213L1247	LG HI	LAES
PV	188	253L1188	AddiJo/213L1247	LG HI	LAES
PV	189	253L1189	AddiJo/213L1247	LG HI	LAES
PV	190	253L1190	AddiJo/213L1247	LG HI	LAES
PV	191	253L1191	AddiJo/213L1247	LG HI	LAES
PV	192	253L1192	AddiJo/213L1247	LG HI	LAES
PV	193	253L1193	213L1101/RU2002182	LG HI	LAES
PV	194	253L1194	213L1101/RU2002182	LG HI	LAES
PV	195	253L1195	213L1101/RU2002182	LG HI	LAES
PV	196	253L1196	213L1101/RU2002182	LG HI	LAES
PV	197	253L1197	RU1902207/203L1011	LG HI	LAES
PV	198	253L1198	RU1902207/203L1011	LG HI	LAES
PV	199	253L1199	RU1902207/203L1011	LG HI	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
PV	200	253L1200	RU1902207/203L1011	LG HI	LAES
PV	201	253L1201	RU1902207/203L1011	LG	LAES
PV	202	253L1202	RU2102186/213L1184	LG	LAES
PV	203	253L1203	RU2102186/213L1184	LG HI	LAES
PV	204	253L1204	RU2102186/213L1184	LG HI	LAES
PV	205	253L1205	RU2102186/213L1184	LG HI	LAES
PV	206	253L1206	RU2102186/213L1184	LG HI	LAES
PV	207	253L1207	RU2102186/213L1184	LG HI	LAES
PV	208	253L1208	RU2102186/213L1184	LG HI	LAES
PV	209	253L1209	RU2102186/213L1184	LG HI	LAES
PV	210	253L1210	RU2102186/213L1184	LG HI	LAES
PV	211	253L1211	RU2102186/213L1184	LG HI	LAES
PV	212	253L1212	RU2102186/213L1184	LG HI	LAES
PV	213	253L1213	203L1104/203L1117	LG HI	LAES
PV	214	253L1214	203L1104/203L1117	LG HI	LAES
PV	215	253L1215	203L1104/203L1117	LG HI	LAES
PV	216	253L1216	203L1104/203L1117	LG HI	LAES
PV	217	253L1217	203L1104/203L1117	LG	LAES
PV	218	253L1218	RU2102186/203L1086	LG HI	LAES
PV	219	253L1219	RU2102186/203L1086	LG HI	LAES
PV	220	253L1220	RU2102186/203L1086	LG HI	LAES
PV	221	253L1221	RU2102186/203L1086	LG HI	LAES
PV	222	253L1222	RU2102186/203L1086	LG HI	LAES
PV	223	253L1223	RU2102186/203L1086	LG HI	LAES
PV	224	253L1224	RU2102186/203L1086	LG HI	LAES
PV	225	253L1225	RU2102186/203L1086	LG HI	LAES
PV	226	253L1226	RU2102186/203L1086	LG HI	LAES
PV	227	253L1227	RU2102186/203L1086	LG HI	LAES
PV	228	253L1228	RU2102186/203L1086	LG	LAES
PV	229	253L1229	RU2102186/203L1086	LG HI	LAES
PV	230	253L1230	RU2102186/203L1086	LG HI	LAES
PV	231	253L1231	RU2102186/203L1086	LG HI	LAES
PV	232	253L1232	RU2102186/203L1086	LG HI	LAES
PV	233	253L1233	RU2102186/203L1086	LG HI	LAES
PV	234	253L1234	RU2102186/203L1086	LG HI	LAES
PV	235	253L1235	RU2102186/203L1086	LG HI	LAES
PV	236	253L1236	Ozark/RU2102186	LG	LAES
PV	237	253L1237	Ozark/RU2102186	LG HI	LAES
PV	238	253L1238	Ozark/RU2102186	LG	LAES
PV	239	253L1239	Ozark/RU2102186	LG	LAES
PV	240	253L1240	Ozark/RU2102186	LG	LAES
PV	241	253L1241	Ozark/RU2102186	LG	LAES
PV	242	253L1242	PVL03/203L1117	LG HI	LAES
PV	243	253L1243	PVL03/203L1117	LG HI	LAES
PV	244	253L1244	PVL03/203L1117	LG	LAES
PV	245	253L1245	PVL03/203L1117	LG	LAES
PV	246	253L1246	PVL03/203L1117	LG	LAES
PV	247	253L1247	PVL03/203L1117	LG	LAES
PV	248	253L1248	PVL03/203L1117	LG	LAES
PV	249	253L1249	PVL03/203L1117	LG	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
PV	250	253L1250	PVL03/203L1117	LG	LAES
PV	251	253L1251	PVL03/203L1011	LG HI	LAES
PV	252	253L1252	PVL03/203L1011	LG HI	LAES
PV	253	253L1253	PVL03/203L1011	LG HI	LAES
PV	254	253L1254	PVL03/203L1011	LG HI	LAES
PV	255	253L1255	PVL03/203L1011	LG HI	LAES
PV	256	253L1256	PVL03/203L1011	LG HI	LAES
PV	257	253L1257	PVL03/203L1011	LG HI	LAES
PV	258	253L1258	PVL03/203L1011	LG HI	LAES
PV	259	253L1259	203L1117/RU1902207	LG HI	LAES
PV	260	253L1260	203L1117/RU1902207	LG HI	LAES
PV	261	253L1261	203L1117/RU1902207	LG HI	LAES
PV	262	253L1262	203L1117/RU1902207	LG HI	LAES
PV	263	253L1263	203L1117/RU1902207	LG HI	LAES
PV	264	253L1264	203L1117/RU1902207	LG HI	LAES
PV	265	253L1265	201L1251/213L1101	LG	LAES
Seg	266	253L1266	201L1251/213L1101	LG HI	LAES
PV	267	253L1267	201L1251/213L1101	LG	LAES
Seg	268	253L1268	201L1251/213L1101	LG HI	LAES
PV	269	253L1269	201L1251/213L1101	LG	LAES
PV	270	253L1270	203L1117/213L1101	LG	LAES
PV	271	253L1271	203L1117/213L1101	LG HI	LAES
PV	272	253L1272	203L1117/213L1101	LG HI	LAES
PV	273	253L1273	203L1117/213L1101	LG HI	LAES
PV	274	253L1274	203L1117/213L1101	LG HI	LAES
PV	275	253L1275	203L1117/213L1101	LG HI	LAES
PV	276	253L1276	203L1011/203L1117	LG HI	LAES
PV	277	253L1277	203L1011/203L1117	LG HI	LAES
PV	278	253L1278	RU2102186/203L1011	LG HI	LAES
PV	279	253L1279	RU2102186/203L1011	LG HI	LAES
PV	280	253L1280	RU2102186/203L1011	LG HI	LAES
PV	281	253L1281	RU2102186/203L1011	LG HI	LAES
PV	282	253L1282	RU2102186/203L1011	LG HI	LAES
PV	283	253L1283	RU2102186/203L1011	LG HI	LAES
PV	284	253L1284	RU2102186/203L1011	LG HI	LAES
PV	285	253L1285	RU2102186/203L1011	LG HI	LAES
PV	286	253L1286	RU2102186/203L1011	LG HI	LAES
PV	287	253L1287	RU2102186/203L1011	LG HI	LAES
PV	288	253L1288	RU2102186/203L1011	LG HI	LAES
PV	289	253L1289	213L1101/203L1011	LG HI	LAES
PV	290	253L1290	213L1101/203L1011	LG HI	LAES
PV	291	253L1291	213L1101/203L1011	LG HI	LAES
PV	292	253L1292	213L1101/203L1011	LG HI	LAES
PV	293	253L1293	213L1101/203L1011	LG HI	LAES
PV	294	253L1294	213L1101/203L1011	LG HI	LAES
PV	295	253L1295	213L1101/203L1011	LG HI	LAES
PV	296	253L1296	213L1101/203L1011	LG HI	LAES
PV	297	253L1297	213L1101/203L1011	LG HI	LAES
PV	298	253L1298	213L1101/203L1011	LG	LAES
PV	299	253L1299	213L1101/203L1011	LG HI	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
PV	300	253L1300	213L1101/203L1011	LG HI	LAES
PV	301	253L1301	213L1101/203L1011	LG	LAES
PV	302	253L1302	203L1011/AddiJo	LG HI	LAES
PV	303	253L1303	203L1011/AddiJo	LG HI	LAES
PV	304	253L1304	203L1011/AddiJo	LG HI	LAES
PV	305	253L1305	203L1011/AddiJo	LG HI	LAES
PV	306	253L1306	203L1011/AddiJo	LG HI	LAES
PV	307	253L1307	203L1011/AddiJo	LG HI	LAES
PV	308	253L1308	203L1011/AddiJo	LG HI	LAES
PV	309	253L1309	AddiJo/203L1011	LG HI	LAES
PV	310	253L1310	AddiJo/203L1011	LG HI	LAES
PV	311	253L1311	RU2102158/213L1101	LG HI	LAES
PV	312	253L1312	RU2102158/213L1101	LG HI	LAES
PV	313	253L1313	RU2102158/213L1101	LG HI	LAES
PV	314	253L1314	RU2102158/213L1101	LG HI	LAES
PV	315	253L1315	RU2102158/213L1101	LG HI	LAES
PV	316	253L1316	RU2102158/213L1101	LG HI	LAES
PV	317	253L1317	CLL18/203L1177	LG HI	LAES
PV	318	253L1318	CLL18/203L1177	LG HI	LAES
PV	319	253L1319	CLL18/203L1177	LG HI	LAES
PV	320	253L1320	CLL18/203L1177	LG HI	LAES
PV	321	253L1321	CLL18/203L1177	LG HI	LAES
PV	322	253L1322	CLHA03/RU2102186	LG HI	LAES
PV	323	253L1323	CLHA03/RU2102186	LG HI	LAES
PV	324	253L1324	CLHA03/RU2102186	LG HI	LAES
PV	325	253L1325	CLHA03/RU2102186	LG HI	LAES
PV	326	253L1326	CLHA03/RU2102186	LG HI	LAES
PV	327	253L1327	CLHA03/RU2102186	LG HI	LAES
PV	328	253L1328	CLHA03/RU2102186	LG HI	LAES
PV	329	253L1329	CLHA03/RU2102186	LG HI	LAES
PV	330	253L1330	RU2102222/213L1101	LG	LAES
PV	331	253L1331	RU2102222/213L1101	LG HI	LAES
PV	332	253L1332	RU2102222/213L1101	LG	LAES
PV	333	253L1333	RU2102222/213L1101	LG	LAES
PV	334	253L1334	RU2102222/213L1101	LG HI	LAES
PV	335	253L1335	RU2102222/213L1101	LG HI	LAES
PV	336	253L1336	RU2102222/213L1101	LG HI	LAES
PV	337	253L1337	RU2102222/213L1101	LG HI	LAES
PV	338	253L1338	BBC04-1/203L1011	LG HI	LAES
PV	339	253L1339	BBC04-1/203L1011	LG HI	LAES
PV	340	253L1340	BBC04-1/203L1011	LG HI	LAES
PV	341	253L1341	BBC04-1/203L1011	LG HI	LAES
PV	342	PVL03	PVL01/Catahoula	LG	LAES
PV	343	PVL04	18SIT0557/RU2201021-BC2	LG HI	AAES
PV	344	PVL05	PVL01/Catahoula	LG HI	LAES

Continued.

Table 2. Continued.

HT*	Entry	Line	Pedigree	Grain Type[†]	Source[‡]
PV	345	223L1213	PVL03/RU1902194	LG	LAES

* Herbicide Type – Clearfield (CL), Conventional (CN), Provisia (PV), Segregating (Seg).

[†] LG = Long grain, LG HI = Long-grain high-amylose Dixie Belle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

[‡] LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain and milling yields and agronomic performance of entries in the 2025 Provisia Preliminary Yield Long-Grain trial. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
330	253L1330	3.0	82.0	99.0	63.6	72.3	15.6	14.5	12327.6	2657.1
237	253L1237	3.0	83.0	107.0	68.5	73.9	11.2	9.2	12056.3	3477.9
271	253L1271	3.0	82.0	110.0	66.0	74.4	17.9	14.2	11921.2	2822.0
270	253L1270	3.0	82.0	104.0	65.4	73.1	28.0	26.1	11846.2	2208.7
35	253L1035	3.0	87.0	100.0	67.5	73.7	10.5	8.7	11836.7	3432.5
138	253L1138	3.0	83.0	105.0	71.9	75.7	20.1	19.7	11809.9	3435.7
36	253L1036	3.0	83.0	100.0	65.9	72.9	11.2	7.8	11791.7	3309.6
127	253L1127	3.0	81.0	105.0	66.5	74.4	13.2	10.9	11752.1	2806.9
187	253L1187	3.0	81.0	99.0	64.6	72.4	20.1	19.4	11720.6	2926.3
180	253L1180	3.0	82.0	100.0	68.1	74.6	14.8	13.0	11719.3	3083.1
140	253L1140	3.0	86.0	109.0	68.9	74.5	18.6	17.3	11703.2	3525.3
42	253L1042	3.0	84.0	105.0	69.1	74.1	20.3	17.6	11657.0	2369.6
332	253L1332	3.0	82.0	100.0	70.2	75.1	10.7	9.6	11617.9	-
30	253L1030	3.0	83.0	98.0	65.1	73.4	21.4	14.2	11608.9	896.0
152	253L1152	3.0	81.0	108.0	65.8	73.0	10.3	8.0	11579.8	3113.0
298	253L1298	3.0	81.0	99.0	62.8	73.8	16.9	15.1	11466.4	3004.9
293	253L1293	3.0	86.0	102.0	52.0	69.4	17.1	13.6	11425.5	3127.5
66	253L1066	3.0	81.0	95.0	60.1	71.3	29.6	31.8	11375.8	3248.0
161	253L1161	3.0	82.0	95.0	67.7	73.6	10.9	8.3	11367.4	2629.6
130	253L1130	3.0	81.0	98.0	64.6	72.9	14.2	12.0	11331.8	2833.7
207	253L1207	3.0	81.0	103.0	65.1	73.4	14.6	13.6	11311.7	2654.9
100	253L1100	3.0	81.0	99.0	70.3	74.1	12.8	13.0	11284.8	3873.0
201	253L1201	3.0	81.0	107.0	70.2	75.1	15.2	15.0	11281.7	2824.1
335	253L1335	3.0	84.0	98.0	66.1	73.3	17.7	14.2	11264.6	2511.3
128	253L1128	3.0	81.0	98.0	66.6	73.2	14.0	12.1	11240.0	3032.2
265	253L1265	3.0	84.0	102.0	69.3	75.0	11.0	9.1	11227.7	2309.1
29	253L1029	3.0	86.0	107.0	62.1	71.7	17.3	11.5	11193.6	1792.7
248	253L1248	3.0	85.0	97.0	67.0	72.9	12.8	10.5	11193.5	3151.7
295	253L1295	3.0	85.0	106.0	66.5	73.8	16.2	13.2	11190.5	3233.5
336	253L1336	3.0	82.0	98.0	60.6	73.0	13.3	12.2	11142.4	3061.3
170	253L1170	3.0	81.0	100.0	59.0	71.3	17.5	14.2	11135.5	3392.0
32	253L1032	3.0	83.0	108.0	69.5	74.8	18.4	18.2	11109.0	2742.7
212	253L1212	3.0	81.0	100.0	64.8	71.0	15.2	14.0	11088.2	3476.9
112	253L1112	3.0	81.0	95.0	65.9	73.0	19.2	19.4	11083.2	3138.3
69	253L1069	3.0	81.0	99.0	63.0	72.3	15.7	14.7	11079.5	3265.7
269	253L1269	3.0	83.0	101.0	67.7	75.1	12.0	9.7	11077.1	2752.4
267	253L1267	5.0	86.0	95.0	66.7	71.9	11.7	10.5	11070.6	2745.3
213	253L1213	3.0	86.0	103.0	70.8	75.9	20.7	20.5	11030.8	2205.8
164	253L1164	3.0	82.0	103.0	65.5	72.3	15.8	13.3	10992.9	2550.2
12	253L1012	3.0	83.0	100.0	66.5	72.9	22.2	21.3	10984.2	3173.9
154	253L1154	3.0	81.0	100.0	66.4	72.4	13.6	11.0	10982.1	1710.4
148	253L1148	3.0	81.0	98.0	65.1	73.0	19.3	18.2	10966.7	3672.8
175	253L1175	3.0	82.0	108.0	60.9	71.7	14.5	10.2	10961.1	1314.1
134	253L1134	3.0	79.0	100.0	64.2	73.3	18.1	16.9	10960.7	1422.4
208	253L1208	3.0	79.0	101.0	64.5	73.3	12.2	10.8	10935.4	2916.4
272	253L1272	3.0	82.0	105.0	67.0	74.7	18.8	14.9	10930.8	3096.0
262	253L1262	3.0	81.0	109.0	68.9	76.1	14.9	12.7	10928.0	3277.2
259	253L1259	3.0	84.0	112.0	68.6	72.8	17.1	16.8	10918.8	3283.3
136	253L1136	3.0	87.0	104.0	71.1	74.8	19.4	19.5	10915.7	3360.3
61	253L1061	3.0	79.0	97.0	64.9	72.1	13.1	10.2	10909.3	3613.3

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
168	253L1168	3.0	85.0	96.0	69.5	74.2	14.8	12.8	10908.8	2427.8
60	253L1060	3.0	81.0	98.0	67.8	73.1	17.5	13.1	10903.1	4652.3
171	253L1171	3.0	83.0	96.0	64.9	71.8	14.8	12.0	10896.9	3452.8
325	253L1325	3.0	80.0	96.0	70.1	74.6	11.4	7.2	10877.1	2717.6
47	253L1047	3.0	82.0	107.0	69.8	74.4	16.6	15.5	10876.8	3069.9
313	253L1313	3.0	84.0	102.0	63.3	70.9	14.4	10.8	10875.9	2743.9
281	253L1281	3.0	83.0	100.0	68.1	74.7	19.2	15.6	10858.1	2202.0
183	253L1183	3.0	83.0	98.0	61.1	71.5	18.9	17.0	10858.0	2366.2
166	253L1166	3.0	81.0	108.0	65.4	73.6	17.6	14.7	10857.3	1110.6
59	253L1059	3.0	80.0	97.0	66.4	72.3	12.1	11.8	10847.9	2881.1
39	253L1039	3.0	81.0	108.0	69.9	73.9	13.5	9.7	10844.0	3972.1
185	253L1185	3.0	82.0	99.0	62.3	72.7	20.2	19.4	10819.5	3069.1
301	253L1301	3.0	84.0	107.0	69.1	74.7	15.4	13.6	10816.8	3470.5
210	253L1210	3.0	83.0	98.0	67.3	71.9	15.8	15.7	10815.3	3399.1
114	253L1114	3.0	81.0	115.0	61.6	72.5	14.5	13.0	10812.2	3258.3
151	253L1151	3.0	82.0	100.0	65.9	72.5	15.6	12.8	10811.8	3437.9
211	253L1211	3.0	81.0	100.0	66.7	73.9	12.8	10.1	10811.0	3248.6
231	253L1231	3.0	80.0	105.0	60.9	72.1	11.9	7.9	10810.9	3365.2
250	253L1250	3.0	83.0	111.0	67.1	73.8	13.4	8.8	10805.8	3248.0
321	253L1321	3.0	86.0	111.0	63.5	71.7	17.7	15.4	10802.2	3498.0
191	253L1191	3.0	81.0	94.0	64.2	73.6	17.4	15.7	10787.7	3248.0
68	253L1068	3.0	83.0	98.0	63.2	72.9	14.6	10.9	10774.8	3577.9
122	253L1122	3.0	82.0	102.0	69.5	74.6	14.6	12.8	10773.6	2894.3
105	253L1105	3.0	81.0	90.0	67.5	73.8	14.7	14.0	10768.5	2603.5
333	253L1333	3.0	85.0	104.0	67.8	73.7	12.1	10.9	10768.1	3166.3
217	253L1217	3.0	86.0	95.0	66.8	73.1	20.2	18.8	10753.4	2676.2
153	253L1153	3.0	83.0	104.0	68.5	74.3	15.3	12.3	10749.3	2525.6
43	253L1043	3.0	86.0	120.0	69.2	74.6	17.1	14.3	10746.5	3120.6
72	253L1072	3.0	86.0	91.0	62.1	71.5	18.6	16.1	10723.8	2764.4
51	253L1051	3.0	84.0	94.0	69.5	75.4	18.2	17.5	10721.2	2272.5
189	253L1189	3.0	79.0	101.0	63.6	70.5	12.6	11.5	10698.3	3742.0
40	253L1040	3.0	84.0	111.0	68.2	73.9	16.0	14.4	10672.9	3130.3
107	253L1107	3.0	82.0	93.0	67.0	73.3	11.0	8.5	10672.6	3556.0
177	253L1177	3.0	84.0	108.0	65.6	73.0	16.9	14.4	10672.3	2379.0
147	253L1147	3.0	81.0	98.0	66.9	74.1	21.6	20.7	10670.9	3246.8
218	253L1218	3.0	82.0	101.0	60.7	70.5	19.0	13.9	10667.8	1938.0
182	253L1182	3.0	85.0	104.0	67.6	73.3	10.9	8.9	10665.6	3145.0
274	253L1274	3.0	83.0	97.0	65.5	72.0	25.2	20.3	10659.9	2176.0
290	253L1290	3.0	86.0	100.0	64.9	73.2	17.6	14.1	10653.8	2117.3
184	253L1184	3.0	83.0	104.0	66.7	73.1	20.6	17.8	10652.8	2083.8
157	253L1157	3.0	84.0	105.0	66.5	72.9	15.8	12.9	10649.0	2612.0
76	253L1076	3.0	85.0	99.0	56.9	71.6	17.9	14.4	10640.9	2399.1
266	253L1266	3.0	81.0	95.0	63.5	72.6	17.7	16.1	10632.4	2005.1
158	253L1158	3.0	83.0	113.0	68.0	73.6	12.1	10.2	10613.6	2737.8
41	253L1041	3.0	83.0	107.0	68.4	74.0	15.2	12.6	10607.0	2292.9
159	253L1159	3.0	84.0	102.0	66.6	72.8	11.9	9.1	10603.1	3686.5
160	253L1160	3.0	80.0	93.0	64.2	73.5	19.5	17.6	10587.5	2278.7
286	253L1286	3.0	88.0	97.0	68.3	73.8	15.3	10.2	10584.1	2362.8
258	253L1258	3.0	82.0	105.0	69.0	74.9	16.2	15.1	10583.9	2860.0
129	253L1129	3.0	81.0	93.0	69.0	75.3	12.7	11.3	10577.7	2668.1

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
121	253L1121	3.0	80.0	95.0	69.1	74.5	13.9	11.7	10570.0	3342.3
337	253L1337	3.0	83.0	94.0	70.0	74.9	9.6	8.0	10564.4	3442.4
297	253L1297	3.0	82.0	98.0	58.1	72.1	18.3	15.3	10561.7	2402.3
252	253L1252	3.0	83.0	100.0	70.9	75.2	19.9	19.2	10558.5	1767.0
101	253L1101	3.0	81.0	101.0	70.6	74.3	10.3	8.1	10556.5	2923.6
45	253L1045	3.0	81.0	107.0	54.7	72.1	20.7	19.0	10556.1	2553.3
233	253L1233	3.0	79.0	97.0	64.6	73.0	18.5	15.6	10554.1	1686.8
96	253L1096	3.0	80.0	114.0	68.9	74.1	11.1	9.6	10552.1	2434.8
326	253L1326	3.0	80.0	100.0	62.6	71.3	12.5	9.2	10551.9	2349.7
273	253L1273	3.0	82.0	97.0	61.0	71.9	24.1	18.6	10538.0	2902.2
38	253L1038	3.0	80.0	107.0	69.6	73.6	16.3	13.2	10533.1	3516.5
318	253L1318	3.0	82.0	123.0	53.7	69.4	19.5	19.6	10532.5	3136.4
334	253L1334	3.0	82.0	105.0	69.0	74.1	6.5	5.9	10531.6	2858.4
145	253L1145	3.0	82.0	98.0	61.0	71.8	18.5	15.6	10526.0	3100.2
135	253L1135	3.0	82.0	98.0	69.7	75.1	14.6	13.8	10523.5	2323.0
20	253L1020	3.0	80.0	101.0	67.2	72.0	17.7	17.2	10506.5	3095.3
52	253L1052	3.0	80.0	94.0	66.4	74.1	11.2	11.2	10505.6	3724.3
118	253L1118	3.0	82.0	113.0	65.6	72.9	8.5	7.0	10502.0	3698.8
165	253L1165	3.0	83.0	98.0	66.4	73.4	13.4	10.9	10484.9	3216.1
239	253L1239	3.0	82.0	108.0	62.9	72.5	18.2	15.8	10479.0	2479.4
243	253L1243	5.0	83.0	104.0	68.0	74.7	15.0	11.9	10472.6	2412.4
146	253L1146	3.0	86.0	90.0	65.6	72.2	12.4	8.7	10468.1	3492.6
172	253L1172	3.0	82.0	106.0	66.9	73.4	9.2	6.8	10450.9	3620.1
230	253L1230	3.0	81.0	102.0	63.5	72.3	17.6	16.9	10446.6	3334.8
198	253L1198	3.0	84.0	98.0	68.8	73.7	16.9	16.6	10439.3	2862.1
7	253L1007	3.0	82.0	103.0	66.7	72.1	10.8	9.7	10438.6	3315.8
102	253L1102	3.0	80.0	98.0	69.7	75.4	17.0	15.5	10431.4	3530.2
256	253L1256	3.0	83.0	100.0	70.3	75.4	20.5	20.2	10425.7	-
197	253L1197	3.0	82.0	93.0	68.3	74.3	22.1	22.1	10421.7	2675.7
92	253L1092	3.0	82.0	107.0	65.7	71.2	12.4	10.7	10420.6	2048.7
46	253L1046	3.0	82.0	100.0	65.7	74.0	19.1	15.9	10418.0	2025.4
131	253L1131	3.0	83.0	102.0	67.5	73.2	8.7	7.1	10413.5	3927.3
98	253L1098	3.0	81.0	96.0	70.3	75.9	13.9	9.7	10394.5	1449.9
242	253L1242	3.0	82.0	114.0	67.8	73.9	12.3	9.3	10391.9	2600.3
249	253L1249	3.0	85.0	102.0	68.9	74.0	11.9	10.5	10374.2	3033.2
162	253L1162	3.0	85.0	96.0	70.0	74.1	11.0	8.9	10368.3	3113.8
34	253L1034	3.0	81.0	104.0	65.4	72.6	12.2	9.8	10368.1	3048.0
319	253L1319	3.0	86.0	96.0	62.8	71.2	13.9	12.2	10367.1	2789.6
56	253L1056	3.0	83.0	100.0	69.0	74.9	18.3	18.1	10362.0	2957.8
260	253L1260	3.0	85.0	112.0	69.8	75.2	13.0	10.9	10350.0	2246.7
174	253L1174	3.0	84.0	102.0	64.6	72.8	18.7	15.3	10343.9	2143.4
285	253L1285	3.0	83.0	101.0	68.1	74.1	14.1	11.8	10330.7	3205.7
188	253L1188	3.0	87.0	98.0	68.6	74.3	21.7	20.2	10318.8	2316.4
299	253L1299	3.0	82.0	103.0	66.1	73.6	22.7	21.9	10317.1	3111.5
221	253L1221	3.0	79.0	94.0	60.9	71.4	12.5	10.4	10315.5	3425.8
104	253L1104	3.0	80.0	91.0	67.9	74.0	14.4	13.2	10315.0	3351.8
90	253L1090	3.0	81.0	97.0	65.2	73.4	14.9	13.4	10312.9	2815.7
11	253L1011	3.0	86.0	105.0	62.7	72.8	18.0	15.4	10312.0	2544.1
247	253L1247	3.0	83.0	108.0	68.3	74.0	12.1	10.4	10307.3	2580.5
113	253L1113	3.0	85.0	120.0	61.7	73.6	16.4	13.6	10302.8	2865.9

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
345	223L1213	5.0	81.0	108.0	62.7	72.9	19.3	18.7	10295.9	2744.1
53	253L1053	3.0	82.0	98.0	65.4	73.1	15.0	12.4	10294.7	2896.7
91	253L1091	3.0	80.0	101.0	67.6	73.5	17.6	15.9	10294.1	3021.2
228	253L1228	3.0	82.0	98.0	64.3	73.7	14.8	11.5	10293.4	1440.5
150	253L1150	3.0	82.0	97.0	66.6	74.0	13.1	11.3	10291.5	4059.9
317	253L1317	3.0	81.0	123.0	62.3	72.0	16.8	16.4	10288.4	3093.9
240	253L1240	3.0	86.0	99.0	66.4	72.6	8.4	6.8	10286.7	2391.6
2	253L1002	3.0	89.0	92.0	65.1	72.0	15.8	14.3	10283.1	2899.6
257	253L1257	3.0	84.0	99.0	70.5	75.5	18.4	16.6	10280.6	3154.2
235	253L1235	3.0	82.0	98.0	57.2	71.6	20.5	18.2	10280.5	2578.0
245	253L1245	3.0	86.0	101.0	69.6	74.4	14.4	13.2	10276.1	2612.4
222	253L1222	3.0	80.0	107.0	64.8	73.7	13.5	10.9	10274.9	2162.7
186	253L1186	3.0	87.0	102.0	67.0	73.7	14.4	12.5	10272.1	2962.9
254	253L1254	3.0	82.0	101.0	68.1	75.0	22.0	21.4	10270.6	2690.9
305	253L1305	3.0	83.0	91.0	66.8	72.9	22.2	19.8	10263.6	2134.1
203	253L1203	3.0	84.0	101.0	66.2	73.8	17.9	16.0	10260.6	3059.2
255	253L1255	3.0	82.0	105.0	69.2	75.0	18.0	17.4	10259.0	1569.5
294	253L1294	3.0	86.0	100.0	64.0	72.3	22.3	19.7	10258.1	2023.5
315	253L1315	3.0	87.0	96.0	63.1	71.4	14.9	11.2	10257.3	2348.2
303	253L1303	3.0	82.0	96.0	70.6	74.6	15.2	14.0	10256.1	4208.1
234	253L1234	3.0	82.0	98.0	65.9	73.5	23.0	22.2	10254.6	2469.4
82	253L1082	3.0	84.0	109.0	65.2	73.0	13.6	12.1	10252.4	2693.8
70	253L1070	3.0	85.0	100.0	61.5	71.6	16.4	13.7	10246.5	2844.7
125	253L1125	3.0	83.0	92.0	70.4	74.8	14.0	13.8	10238.3	3236.7
199	253L1199	3.0	84.0	98.0	69.1	74.5	15.2	14.3	10238.1	2679.1
344	PVL05	5.0	84.0	95.0	60.2	70.9	15.1	11.8	10231.2	2176.3
117	253L1117	3.0	82.0	112.0	63.8	71.1	17.2	14.7	10229.8	3065.4
21	253L1021	3.0	86.0	89.0	70.3	74.3	13.6	12.2	10220.5	2894.1
292	253L1292	3.0	83.0	99.0	60.9	73.0	21.0	18.9	10219.8	2335.5
75	253L1075	3.0	84.0	105.0	61.5	71.6	22.6	21.3	10213.0	2338.3
296	253L1296	3.0	82.0	103.0	63.4	72.0	22.4	22.5	10209.1	2405.1
178	253L1178	3.0	87.0	104.0	64.5	72.8	12.0	10.4	10200.1	2403.6
322	253L1322	3.0	82.0	90.0	68.3	74.4	11.6	9.5	10171.4	1452.0
109	253L1109	3.0	84.0	95.0	68.1	73.3	15.3	12.2	10168.8	2609.7
167	253L1167	3.0	83.0	101.0	68.6	73.4	11.7	10.3	10167.4	3291.3
312	253L1312	5.0	82.0	108.0	61.7	71.1	16.5	14.7	10165.5	2982.5
223	253L1223	3.0	82.0	90.0	66.1	72.1	17.4	14.7	10163.9	3119.0
63	253L1063	3.0	83.0	100.0	63.0	71.6	15.1	10.2	10157.9	2764.3
331	253L1331	3.0	82.0	104.0	61.9	72.8	18.0	14.3	10155.0	2516.7
288	253L1288	3.0	83.0	102.0	66.8	72.9	14.1	13.9	10151.7	3166.9
19	253L1019	3.0	81.0	94.0	70.8	75.0	16.1	13.0	10148.0	2914.4
89	253L1089	3.0	82.0	96.0	67.1	73.9	13.3	9.1	10143.1	2944.1
214	253L1214	3.0	87.0	105.0	68.7	74.3	13.6	11.7	10139.3	2541.0
246	253L1246	3.0	86.0	106.0	69.1	74.5	15.5	13.9	10132.9	2364.3
25	253L1025	3.0	87.0	89.0	73.7	77.8	14.3	12.8	10132.4	2795.1
74	253L1074	3.0	83.0	98.0	66.0	73.6	11.6	9.4	10132.2	3024.2
227	253L1227	3.0	81.0	96.0	68.5	74.2	16.3	14.6	10132.0	2503.4
18	253L1018	3.0	86.0	98.0	72.2	76.6	15.1	13.0	10122.2	2654.9
123	253L1123	3.0	81.0	104.0	66.3	73.8	18.9	18.5	10121.8	2731.2
342	PVL03	3.0	83.0	108.0	68.7	74.2	16.9	15.1	10113.3	2417.4

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
24	253L1024	3.0	83.0	96.0	68.3	73.6	12.2	9.5	10088.8	1301.7
71	253L1071	3.0	83.0	103.0	61.6	73.6	15.7	13.5	10088.8	1290.8
236	253L1236	3.0	85.0	120.0	59.1	70.9	13.1	10.8	10082.5	2523.5
115	253L1115	3.0	81.0	112.0	63.6	71.1	14.4	13.4	10061.7	4608.5
124	253L1124	3.0	81.0	104.0	69.9	74.6	10.9	9.0	10050.5	3810.6
27	253L1027	3.0	82.0	93.0	67.2	72.9	11.3	7.6	10038.5	3454.3
232	253L1232	3.0	79.0	104.0	60.0	71.8	13.7	10.7	10027.8	3296.1
163	253L1163	3.0	86.0	101.0	69.0	74.0	12.8	11.0	10026.4	2832.2
111	253L1111	3.0	83.0	90.0	69.8	73.9	9.4	7.3	10023.9	2899.3
81	253L1081	3.0	83.0	102.0	68.3	72.1	15.9	16.6	10022.9	2955.5
195	253L1195	3.0	86.0	98.0	67.0	73.5	13.1	12.5	9995.0	3193.7
192	253L1192	3.0	83.0	95.0	68.2	74.4	20.2	17.7	9991.3	3584.8
108	253L1108	3.0	81.0	96.0	67.1	74.2	17.7	16.1	9990.9	2463.5
106	253L1106	3.0	81.0	91.0	67.9	73.9	15.9	14.4	9985.9	3009.6
316	253L1316	3.0	83.0	109.0	60.3	70.2	16.8	10.8	9966.5	2836.5
181	253L1181	3.0	83.0	104.0	61.3	71.8	18.7	16.7	9964.7	3445.9
173	253L1173	3.0	82.0	98.0	67.2	73.0	12.2	9.9	9958.4	-
86	253L1086	3.0	86.0	99.0	62.8	70.6	17.7	15.1	9950.8	2105.4
79	253L1079	3.0	86.0	96.0	66.8	74.1	10.4	7.9	9930.2	3389.3
219	253L1219	3.0	83.0	98.0	67.1	73.2	13.9	10.4	9925.1	2158.8
44	253L1044	3.0	82.0	104.0	65.1	74.0	26.2	25.2	9922.9	3285.3
126	253L1126	3.0	82.0	104.0	70.3	75.1	14.3	12.4	9917.7	2964.2
4	253L1004	3.0	86.0	99.0	66.4	72.7	14.8	12.3	9917.4	2700.0
328	253L1328	3.0	84.0	99.0	67.1	72.0	16.0	15.2	9914.8	2750.7
141	253L1141	3.0	87.0	96.0	68.4	73.7	7.6	6.6	9898.3	3021.7
320	253L1320	3.0	83.0	124.0	61.7	70.7	11.1	10.1	9897.9	2969.5
94	253L1094	3.0	81.0	104.0	67.3	73.8	16.5	15.4	9896.8	1516.6
202	253L1202	3.0	79.0	93.0	66.8	73.7	16.5	15.2	9896.0	2675.5
268	253L1268	3.0	86.0	106.0	63.8	72.6	15.2	13.1	9889.7	1559.5
215	253L1215	3.0	87.0	91.0	68.0	74.5	18.4	16.4	9885.7	2760.3
176	253L1176	3.0	83.0	100.0	58.4	70.4	19.1	15.7	9885.6	3146.7
229	253L1229	3.0	83.0	110.0	61.5	72.6	10.4	6.6	9878.9	2899.3
179	253L1179	5.0	87.0	96.0	66.1	72.7	15.2	11.6	9877.9	3095.3
8	253L1008	3.0	81.0	94.0	63.9	70.5	12.4	7.9	9873.9	3691.4
1	253L1001	3.0	86.0	101.0	67.7	72.4	9.0	6.8	9873.6	2550.2
133	253L1133	3.0	86.0	97.0	70.1	74.0	13.0	11.3	9862.4	658.9
17	253L1017	3.0	82.0	95.0	70.5	75.4	13.1	11.2	9850.2	2615.7
156	253L1156	3.0	86.0	109.0	69.7	73.8	11.4	9.7	9848.9	2581.5
339	253L1339	3.0	82.0	103.0	68.2	73.2	8.7	8.0	9845.6	3606.7
49	253L1049	3.0	84.0	104.0	65.5	74.3	14.6	12.9	9840.0	2451.8
225	253L1225	3.0	79.0	97.0	59.2	71.8	13.8	12.5	9831.9	2945.2
216	253L1216	3.0	86.0	99.0	67.9	73.3	12.7	10.3	9819.5	2883.4
149	253L1149	3.0	81.0	98.0	66.9	73.6	13.1	13.3	9815.7	2183.2
251	253L1251	3.0	83.0	115.0	71.5	75.2	15.9	14.5	9812.9	3216.6
190	253L1190	3.0	82.0	92.0	64.8	72.8	17.5	15.6	9807.9	3817.2
307	253L1307	3.0	81.0	111.0	71.6	75.7	15.4	14.5	9787.9	3055.5
139	253L1139	3.0	84.0	100.0	69.0	73.3	7.9	5.4	9785.0	2946.1
119	253L1119	3.0	82.0	109.0	60.8	72.5	13.3	8.9	9756.3	1070.2
80	253L1080	3.0	87.0	97.0	67.2	73.9	14.0	11.5	9755.9	2917.2
253	253L1253	3.0	87.0	96.0	69.2	73.9	19.1	17.3	9754.0	3460.7

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
263	253L1263	3.0	82.0	107.0	70.7	74.9	18.1	16.7	9745.4	3615.2
282	253L1282	3.0	86.0	90.0	67.5	73.4	19.3	18.2	9744.1	2559.6
204	253L1204	3.0	83.0	104.0	68.0	73.7	18.9	18.4	9741.0	2149.2
276	253L1276	3.0	87.0	100.0	68.1	73.4	14.0	11.5	9740.4	2565.8
302	253L1302	3.0	83.0	104.0	66.1	73.5	20.5	18.5	9739.7	2285.7
28	253L1028	3.0	82.0	105.0	69.0	72.8	14.5	10.6	9731.3	2973.8
73	253L1073	3.0	83.0	99.0	62.3	72.4	21.0	18.4	9728.3	2922.8
226	253L1226	3.0	81.0	99.0	64.1	72.9	14.3	10.6	9721.8	2163.7
323	253L1323	3.0	81.0	98.0	69.1	73.6	14.4	12.5	9711.6	2313.5
289	253L1289	3.0	89.0	98.0	66.8	73.3	13.8	13.3	9710.3	3881.5
88	253L1088	3.0	78.0	103.0	60.1	72.1	19.4	17.4	9707.7	3225.4
340	253L1340	3.0	83.0	100.0	65.9	72.7	15.5	13.4	9694.1	2805.4
137	253L1137	3.0	86.0	105.0	67.5	72.4	19.4	17.7	9689.3	2521.2
306	253L1306	3.0	82.0	106.0	68.3	74.1	16.1	15.3	9689.3	4307.4
343	PVL04	5.0	89.0	102.0	65.2	72.5	17.0	14.7	9679.2	2470.2
57	253L1057	3.0	84.0	96.0	69.8	74.9	15.2	14.5	9677.6	2106.5
97	253L1097	3.0	81.0	97.0	65.9	71.3	13.6	12.5	9670.5	4117.7
220	253L1220	3.0	80.0	100.0	63.7	72.4	11.7	9.2	9670.2	3171.3
120	253L1120	3.0	81.0	113.0	63.2	72.3	19.1	17.9	9658.2	2821.4
67	253L1067	3.0	81.0	107.0	58.4	71.3	16.2	13.8	9655.1	1855.9
241	253L1241	3.0	87.0	88.0	65.7	73.2	14.5	12.5	9653.1	2729.3
6	253L1006	3.0	83.0	109.0	62.4	71.6	11.9	9.9	9639.3	3516.1
224	253L1224	3.0	83.0	93.0	67.0	73.1	15.3	13.4	9629.9	2941.8
244	253L1244	3.0	84.0	111.0	65.6	72.9	15.9	14.4	9615.9	1906.3
264	253L1264	3.0	82.0	105.0	70.2	74.9	14.2	12.1	9614.3	2274.4
287	253L1287	3.0	86.0	101.0	65.9	73.2	20.2	17.9	9610.8	2361.7
206	253L1206	3.0	81.0	97.0	67.8	73.8	17.5	15.3	9610.2	1551.3
279	253L1279	3.0	82.0	107.0	69.4	76.1	20.7	19.1	9606.7	1591.0
284	253L1284	3.0	83.0	98.0	69.2	74.3	16.7	13.6	9602.3	2670.1
16	253L1016	3.0	84.0	99.0	67.8	73.1	17.3	14.3	9586.8	1777.7
261	253L1261	3.0	82.0	104.0	70.4	75.3	12.9	10.8	9569.4	2916.5
110	253L1110	3.0	82.0	93.0	69.8	75.3	18.7	17.9	9545.8	3312.4
62	253L1062	3.0	81.0	92.0	65.8	72.3	14.4	11.7	9538.7	2350.6
194	253L1194	3.0	82.0	105.0	68.3	74.8	16.9	15.6	9534.6	4032.1
200	253L1200	3.0	87.0	85.0	67.9	73.2	9.0	7.4	9522.7	2805.4
132	253L1132	1.0	81.0	101.0	65.9	73.2	14.9	13.5	9522.4	2458.0
10	253L1010	3.0	85.0	106.0	68.1	74.8	13.3	10.7	9514.4	1898.0
103	253L1103	3.0	79.0	104.0	69.3	74.1	12.3	9.5	9512.1	2504.0
58	253L1058	3.0	84.0	94.0	67.0	74.0	16.4	14.1	9506.8	3226.5
3	253L1003	3.0	89.0	87.0	63.9	72.1	16.7	14.7	9502.8	2832.3
65	253L1065	3.0	83.0	100.0	68.2	74.3	21.0	19.7	9482.0	1744.0
324	253L1324	3.0	79.0	99.0	66.5	72.0	12.4	9.1	9476.0	2740.2
78	253L1078	3.0	85.0	102.0	57.8	71.8	15.6	12.5	9475.0	3605.3
155	253L1155	3.0	85.0	98.0	64.1	71.5	16.1	12.1	9469.8	2013.0
311	253L1311	3.0	84.0	109.0	62.0	72.9	21.3	19.8	9463.7	1370.6
50	253L1050	3.0	82.0	106.0	65.6	73.2	14.4	12.2	9459.1	3363.3
280	253L1280	3.0	86.0	97.0	67.8	74.8	16.6	15.6	9448.6	2745.6
99	253L1099	3.0	82.0	105.0	70.3	75.4	16.7	14.4	9441.2	2970.0
278	253L1278	3.0	81.0	104.0	67.6	74.2	14.8	13.8	9429.2	3695.2
33	253L1033	3.0	86.0	93.0	68.3	73.6	14.9	11.8	9423.8	1120.4

Continued.

Table 3. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
22	253L1022	3.0	80.0	92.0	69.7	75.2	17.3	15.5	9422.1	2593.9
64	253L1064	3.0	86.0	107.0	64.9	73.0	21.0	20.2	9417.7	2056.5
14	253L1014	3.0	82.0	96.0	71.3	74.4	8.3	6.5	9412.3	3927.9
9	253L1009	3.0	83.0	99.0	69.0	74.4	14.8	13.3	9412.1	2915.1
314	253L1314	3.0	85.0	88.0	62.9	71.8	17.5	14.9	9394.7	3220.4
283	253L1283	3.0	85.0	94.0	68.9	74.0	13.8	11.2	9388.9	2924.1
196	253L1196	3.0	86.0	96.0	68.3	73.0	19.0	16.6	9388.9	1861.0
300	253L1300	3.0	83.0	108.0	68.7	74.1	15.9	14.5	9387.8	3500.7
84	253L1084	3.0	79.0	97.0	63.6	73.3	17.0	13.8	9359.3	2181.7
13	253L1013	3.0	83.0	105.0	64.4	72.2	18.7	14.7	9353.3	2253.2
277	253L1277	3.0	86.0	106.0	70.9	75.0	12.2	11.7	9326.2	3390.1
304	253L1304	3.0	86.0	112.0	65.3	72.4	16.6	14.2	9311.7	2487.0
291	253L1291	5.0	86.0	101.0	69.4	73.7	11.5	10.1	9306.5	2936.0
144	253L1144	3.0	79.0	101.0	64.5	72.4	15.2	14.1	9305.1	2893.1
341	253L1341	3.0	86.0	102.0	67.4	73.2	13.7	11.2	9302.1	2857.9
275	253L1275	3.0	84.0	110.0	59.4	72.3	21.1	17.1	9291.6	1744.6
26	253L1026	3.0	81.0	109.0	69.1	75.0	12.4	9.0	9286.7	3101.6
55	253L1055	3.0	86.0	95.0	66.8	74.3	15.7	15.1	9282.4	2894.1
238	253L1238	3.0	81.0	115.0	64.6	73.2	20.3	17.0	9266.6	2720.6
95	253L1095	3.0	81.0	107.0	64.8	72.4	16.6	15.3	9265.8	2522.1
116	253L1116	5.0	87.0	103.0	64.9	72.2	13.8	9.8	9248.7	1640.7
85	253L1085	3.0	81.0	98.0	64.5	72.5	23.2	22.5	9245.9	2762.1
93	253L1093	3.0	80.0	100.0	68.3	73.4	17.3	16.0	9237.4	1999.2
54	253L1054	3.0	86.0	100.0	67.9	73.9	11.7	9.6	9193.2	2398.8
308	253L1308	3.0	83.0	101.0	68.9	74.1	13.3	11.2	9184.9	3365.3
142	253L1142	3.0	86.0	106.0	68.5	73.3	10.2	9.7	9114.7	3181.9
209	253L1209	3.0	81.0	104.0	68.0	74.0	12.4	8.9	9110.3	2366.1
143	253L1143	5.0	84.0	95.0	66.8	72.8	12.0	10.1	9110.0	3184.0
83	253L1083	3.0	86.0	107.0	60.9	71.8	15.6	11.3	9108.3	1881.6
169	253L1169	3.0	87.0	97.0	66.4	73.0	13.2	10.8	9089.9	2729.4
309	253L1309	3.0	87.0	101.0	67.2	73.2	16.6	15.9	9046.2	2355.6
48	253L1048	3.0	82.0	103.0	72.3	76.2	8.1	6.4	9015.1	2179.3
193	253L1193	3.0	84.0	100.0	68.0	73.6	15.8	14.7	8982.0	2820.1
205	253L1205	3.0	82.0	93.0	68.2	72.3	14.6	14.2	8730.1	2719.7
5	253L1005	3.0	84.0	107.0	64.9	70.7	16.5	11.8	8606.1	3281.2
23	253L1023	3.0	82.0	103.0	64.7	73.1	15.8	14.5	8508.5	2799.4
37	253L1037	3.0	77.0	111.0	64.6	70.7	8.6	6.9	8503.7	2956.6
87	253L1087	3.0	79.0	94.0	57.7	71.8	20.1	15.1	8492.6	2653.3
31	253L1031	3.0	86.0	97.0	67.2	73.4	17.6	14.9	8478.3	2824.7
310	253L1310	3.0	87.0	108.0	67.0	72.6	13.4	11.6	8470.0	2548.9
15	253L1015	3.0	87.0	100.0	70.9	74.6	13.1	12.3	8387.2	3254.6
327	253L1327	3.0	88.0	99.0	66.2	71.3	11.7	9.0	8266.3	3335.2
77	253L1077	3.0	88.0	111.0	53.4	68.7	17.1	12.1	8247.0	2305.1
338	253L1338	3.0	87.0	96.0	69.9	74.1	11.6	10.1	8141.9	2989.2
329	253L1329	3.0	83.0	82.0	68.0	73.7	13.0	11.3	8089.2	2225.7

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Table 4. Grain and milling yields and agronomic performance of entries in the 2025 Provisia Preliminary Yield Long-Grain trial – Late Planting. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
296	253L1296	3.0	74.0	110.0	55.2	68.9	17.0	15.0	9282.4	2769.3
270	253L1270	3.0	80.0	108.0	63.0	71.9	23.5	21.9	9131.8	2406.3
166	253L1166	3.0	73.0	107.0	57.1	69.9	13.0	10.6	9095.4	2621.7
298	253L1298	3.0	76.0	90.0	58.2	71.2	12.1	10.7	9039.9	1803.8
157	253L1157	3.0	74.0	105.0	62.4	71.7	15.5	14.0	9010.3	2573.4
218	253L1218	3.0	75.0	98.0	59.7	70.3	16.8	13.7	8947.7	3008.1
217	253L1217	3.0	75.0	104.0	59.3	70.7	21.3	19.7	8942.6	3210.3
142	253L1142	3.0	77.0	104.0	61.0	70.1	8.4	8.3	8920.7	3848.2
139	253L1139	3.0	74.0	102.0	67.2	73.6	10.4	8.0	8858.8	4082.7
132	253L1132	3.0	70.0	106.0	57.9	71.7	14.7	12.0	8841.9	3180.3
332	253L1332	3.0	75.0	106.0	65.7	72.7	9.4	8.6	8784.8	2153.7
59	253L1059	3.0	69.0	101.0	63.5	72.0	11.8	11.2	8778.7	3716.4
342	PVL03	3.0	71.0	99.0	64.7	73.3	15.0	15.1	8753.8	3140.4
45	253L1045	3.0	71.0	110.0	49.8	69.0	19.7	17.7	8732.3	3112.9
239	253L1239	3.0	71.0	115.0	57.9	72.7	16.2	13.0	8718.9	2004.9
301	253L1301	3.0	81.0	102.0	62.0	71.4	14.8	14.7	8663.4	3286.1
61	253L1061	3.0	69.0	96.0	60.3	70.4	13.0	9.5	8644.1	3709.1
202	253L1202	3.0	70.0	99.0	62.3	73.8	16.7	16.2	8632.4	2832.7
333	253L1333	3.0	81.0	105.0	64.2	73.9	16.6	16.3	8627.5	2690.4
293	253L1293	3.0	81.0	104.0	47.5	67.5	16.9	13.7	8556.9	2559.1
290	253L1290	3.0	82.0	113.0	54.9	68.8	12.2	10.0	8554.0	2481.5
66	253L1066	3.0	72.0	98.0	56.0	69.3	27.6	27.0	8523.1	3216.1
228	253L1228	3.0	71.0	96.0	61.9	73.7	15.4	13.3	8496.0	3477.4
140	253L1140	3.0	80.0	117.0	65.9	74.1	19.3	19.3	8465.9	3619.7
271	253L1271	3.0	76.0	99.0	59.7	71.6	18.6	16.8	8451.4	2110.3
7	253L1007	3.0	73.0	108.0	60.7	71.1	12.4	10.0	8431.2	2853.5
267	253L1267	3.0	81.0	90.0	65.8	74.2	13.5	12.7	8416.3	2477.6
36	253L1036	3.0	76.0	102.0	58.7	70.7	16.5	13.7	8399.6	2775.9
12	253L1012	3.0	75.0	112.0	63.7	72.1	22.9	19.9	8381.4	3202.0
91	253L1091	3.0	70.0	99.0	65.6	74.1	16.3	16.4	8343.6	3800.7
180	253L1180	3.0	71.0	109.0	61.1	71.5	11.3	10.1	8341.9	3437.9
257	253L1257	3.0	75.0	95.0	64.9	73.1	18.9	20.1	8341.5	2912.7
56	253L1056	3.0	71.0	97.0	64.1	73.5	18.4	17.6	8339.8	2920.9
86	253L1086	3.0	75.0	104.0	60.1	70.1	18.5	16.5	8326.3	3126.5
234	253L1234	3.0	75.0	96.0	59.0	70.6	18.5	17.3	8313.1	3995.2
35	253L1035	3.0	81.0	108.0	60.2	70.7	13.5	11.6	8286.9	4391.6
208	253L1208	3.0	70.0	99.0	58.9	71.6	10.5	8.0	8281.3	2740.7
203	253L1203	3.0	76.0	103.0	57.8	69.6	16.1	14.1	8256.2	3141.3
231	253L1231	3.0	70.0	101.0	60.6	71.6	11.3	8.7	8250.9	3864.8
60	253L1060	3.0	71.0	100.0	63.0	73.4	19.2	15.3	8249.0	4101.0
138	253L1138	3.0	81.0	112.0	66.1	74.4	19.7	20.4	8219.0	3889.8
85	253L1085	3.0	72.0	100.0	53.3	69.1	19.6	16.6	8217.6	3307.5
96	253L1096	3.0	69.0	106.0	64.3	72.3	12.7	11.0	8213.8	4097.4
279	253L1279	3.0	73.0	104.0	64.2	72.1	16.9	16.0	8206.3	3246.0
89	253L1089	3.0	75.0	107.0	64.6	73.0	16.3	12.3	8191.7	3894.1
226	253L1226	3.0	73.0	108.0	56.8	71.9	12.9	9.9	8189.2	2783.5
129	253L1129	3.0	70.0	98.0	62.3	73.5	12.1	11.3	8185.2	3432.5
242	253L1242	3.0	76.0	112.0	63.6	73.3	11.1	8.1	8171.7	2790.3
90	253L1090	3.0	71.0	104.0	59.4	72.4	18.1	15.1	8169.2	3257.0
11	253L1011	3.0	81.0	103.0	52.7	73.0	12.7	9.3	8149.3	2582.2

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
149	253L1149	3.0	73.0	99.0	64.1	73.0	12.7	12.6	8145.9	4146.8
283	253L1283	3.0	76.0	109.0	65.3	73.1	15.2	13.7	8140.7	3424.2
183	253L1183	3.0	71.0	107.0	49.4	67.0	16.8	13.0	8121.3	3054.4
343	PVL04	3.0	76.0	104.0	63.6	74.7	21.1	18.7	8121.2	2875.4
154	253L1154	3.0	76.0	109.0	62.0	73.4	17.2	15.2	8114.2	3167.6
254	253L1254	3.0	71.0	109.0	60.6	73.7	19.7	19.8	8101.5	3795.0
314	253L1314	3.0	77.0	98.0	56.4	68.5	10.6	8.1	8100.8	3191.1
336	253L1336	3.0	75.0	101.0	54.5	70.9	10.9	9.9	8098.7	2301.6
29	253L1029	3.0	76.0	114.0	55.1	68.2	15.2	10.4	8080.5	2932.5
137	253L1137	3.0	80.0	108.0	60.7	72.8	16.7	14.3	8075.4	3474.8
258	253L1258	3.0	72.0	109.0	63.4	73.8	16.7	16.3	8060.1	4126.2
136	253L1136	3.0	81.0	111.0	67.0	74.2	20.4	19.2	8038.3	3786.8
196	253L1196	3.0	82.0	93.0	66.8	73.8	17.9	15.7	7981.2	3687.7
99	253L1099	3.0	71.0	104.0	63.9	73.0	18.1	17.5	7977.2	4431.3
210	253L1210	3.0	75.0	104.0	63.4	71.0	14.5	13.1	7976.4	3757.0
230	253L1230	3.0	72.0	104.0	63.8	71.9	12.9	12.6	7969.3	4128.1
224	253L1224	3.0	76.0	94.0	62.3	71.3	15.1	14.4	7958.5	2977.4
273	253L1273	3.0	77.0	105.0	52.5	69.9	18.0	12.1	7957.5	2630.5
84	253L1084	3.0	69.0	95.0	56.6	70.0	17.3	15.8	7952.4	3475.3
18	253L1018	3.0	75.0	105.0	60.9	70.7	12.2	10.3	7948.9	4147.5
207	253L1207	3.0	75.0	103.0	60.6	71.1	16.0	14.0	7946.0	2892.4
115	253L1115	3.0	71.0	113.0	62.1	71.7	14.5	12.0	7942.4	4200.5
108	253L1108	3.0	71.0	110.0	60.8	72.0	14.3	12.3	7935.8	2890.0
313	253L1313	3.0	77.0	111.0	60.3	72.7	19.3	16.5	7922.8	3022.9
233	253L1233	3.0	73.0	96.0	60.9	70.9	15.9	12.6	7912.3	3622.7
299	253L1299	3.0	75.0	109.0	63.3	73.1	16.8	16.3	7896.8	3121.1
42	253L1042	3.0	75.0	108.0	63.1	73.4	19.3	15.3	7896.8	3108.4
204	253L1204	3.0	75.0	109.0	66.3	72.8	15.4	13.9	7888.3	3412.5
238	253L1238	3.0	72.0	114.0	59.3	70.8	16.0	13.4	7882.7	2781.0
124	253L1124	3.0	72.0	105.0	61.8	71.8	12.9	11.8	7873.3	3271.7
159	253L1159	3.0	80.0	103.0	57.2	70.3	13.3	10.4	7866.6	3639.8
221	253L1221	3.0	71.0	98.0	54.7	69.6	14.4	11.7	7863.8	2977.1
81	253L1081	3.0	80.0	100.0	66.2	74.0	16.6	15.5	7858.7	2941.9
281	253L1281	3.0	75.0	95.0	61.1	71.5	12.5	10.4	7848.4	3756.1
259	253L1259	3.0	75.0	116.0	65.7	73.8	18.3	18.5	7841.4	3226.9
278	253L1278	3.0	74.0	100.0	64.8	73.3	16.7	16.0	7837.6	3247.9
235	253L1235	3.0	75.0	96.0	56.4	69.1	15.4	13.2	7825.8	3556.8
30	253L1030	3.0	74.0	101.0	55.7	69.9	19.2	15.1	7822.9	2334.5
216	253L1216	3.0	81.0	100.0	56.6	70.9	15.4	12.4	7789.3	3107.8
174	253L1174	3.0	75.0	107.0	60.1	69.9	17.5	16.1	7774.3	2961.6
123	253L1123	3.0	71.0	103.0	64.8	73.6	17.6	15.8	7773.7	2716.7
147	253L1147	3.0	70.0	106.0	57.2	72.7	16.5	15.9	7772.7	4025.9
201	253L1201	3.0	69.0	108.0	62.8	73.7	17.4	16.7	7767.3	3254.3
62	253L1062	3.0	70.0	99.0	60.4	69.5	14.9	11.3	7765.0	3373.4
262	253L1262	3.0	75.0	98.0	60.7	71.8	21.0	19.3	7756.1	3613.1
323	253L1323	3.0	71.0	104.0	60.4	71.3	14.8	13.8	7755.2	2451.2
213	253L1213	3.0	81.0	105.0	65.4	74.6	19.3	20.1	7751.3	3152.3
87	253L1087	3.0	69.0	94.0	53.1	69.5	16.0	12.1	7748.8	3453.3
126	253L1126	3.0	72.0	107.0	60.9	71.4	13.2	12.0	7747.4	3642.3
150	253L1150	3.0	72.0	94.0	65.5	73.2	13.7	11.8	7741.4	3511.4

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
184	253L1184	3.0	75.0	105.0	62.9	71.8	18.9	17.1	7740.7	3066.5
170	253L1170	3.0	75.0	96.0	55.6	69.2	14.8	12.8	7720.4	3356.8
222	253L1222	3.0	70.0	100.0	55.8	70.6	13.3	10.9	7715.7	2743.5
292	253L1292	3.0	75.0	96.0	53.7	69.4	13.6	11.1	7712.5	1815.3
21	253L1021	3.0	76.0	95.0	63.0	72.3	13.6	10.1	7687.5	3411.8
280	253L1280	3.0	81.0	96.0	58.1	70.4	14.5	12.7	7685.3	4263.3
103	253L1103	3.0	69.0	91.0	60.9	70.9	11.0	8.4	7683.8	3709.4
9	253L1009	3.0	72.0	103.0	59.7	72.0	17.0	15.2	7678.8	3350.8
46	253L1046	3.0	71.0	106.0	51.6	71.5	18.2	15.3	7674.5	2854.9
88	253L1088	3.0	69.0	96.0	47.9	68.8	16.8	12.9	7645.9	3336.5
284	253L1284	3.0	77.0	99.0	63.5	71.7	15.1	14.3	7639.7	3830.3
114	253L1114	3.0	75.0	112.0	56.2	69.6	12.1	10.8	7630.2	3808.0
141	253L1141	3.0	80.0	104.0	61.8	73.5	12.4	11.4	7621.7	3227.7
25	253L1025	3.0	76.0	97.0	63.3	72.0	13.2	12.7	7620.5	2898.3
164	253L1164	3.0	75.0	98.0	57.5	69.6	14.7	12.4	7619.9	2986.8
177	253L1177	3.0	71.0	112.0	58.8	72.4	14.5	12.6	7613.7	2831.0
16	253L1016	3.0	72.0	107.0	62.3	70.6	15.5	13.7	7600.8	3621.2
225	253L1225	3.0	71.0	97.0	54.1	69.9	13.8	9.6	7597.7	2752.8
162	253L1162	3.0	76.0	111.0	58.5	71.7	13.1	10.4	7595.2	2934.4
83	253L1083	3.0	77.0	107.0	52.0	68.4	15.6	11.1	7587.9	3542.6
121	253L1121	3.0	75.0	97.0	57.6	70.3	16.1	13.9	7584.5	2776.8
120	253L1120	3.0	74.0	101.0	55.5	69.8	19.1	17.0	7575.1	2799.3
181	253L1181	3.0	72.0	105.0	58.2	73.6	18.2	16.6	7557.0	4004.9
255	253L1255	3.0	72.0	103.0	58.9	71.1	16.0	14.1	7529.7	3665.4
197	253L1197	3.0	72.0	98.0	59.2	71.0	14.0	12.5	7509.1	3504.8
182	253L1182	3.0	82.0	109.0	60.2	71.1	13.9	10.8	7508.2	2741.6
331	253L1331	3.0	75.0	105.0	61.2	74.2	19.8	19.2	7506.7	1555.4
69	253L1069	3.0	80.0	107.0	56.4	68.6	16.8	15.7	7493.3	3863.4
82	253L1082	3.0	80.0	102.0	64.1	73.0	18.3	17.0	7486.1	4371.1
246	253L1246	3.0	77.0	110.0	59.8	71.8	13.5	12.1	7485.0	3648.9
72	253L1072	3.0	81.0	97.0	59.5	69.8	19.3	13.5	7484.4	2984.8
74	253L1074	3.0	77.0	109.0	60.6	70.5	15.6	14.1	7484.1	2909.1
27	253L1027	3.0	76.0	106.0	61.6	70.5	10.3	7.2	7480.6	3194.7
178	253L1178	3.0	77.0	116.0	60.2	73.0	14.7	12.7	7480.6	3460.7
266	253L1266	3.0	70.0	95.0	54.7	69.2	14.7	12.4	7447.1	4034.4
282	253L1282	3.0	81.0	99.0	61.8	71.9	14.7	12.7	7446.9	3575.2
275	253L1275	3.0	73.0	102.0	52.1	69.6	18.2	14.1	7429.4	2162.0
268	253L1268	3.0	81.0	113.0	60.2	73.5	18.4	14.7	7428.6	2706.4
122	253L1122	3.0	75.0	109.0	57.7	69.1	12.9	12.7	7418.3	3201.2
295	253L1295	3.0	82.0	108.0	63.0	72.3	12.4	11.1	7406.1	3144.4
240	253L1240	3.0	82.0	99.0	64.0	72.6	14.4	13.0	7404.2	3738.8
145	253L1145	3.0	71.0	95.0	55.6	69.3	17.2	13.7	7395.5	3544.6
344	PVL05	3.0	80.0	101.0	50.0	67.1	13.8	9.8	7395.1	2029.9
211	253L1211	3.0	75.0	105.0	60.9	71.2	13.2	9.5	7392.8	2652.3
94	253L1094	3.0	69.0	98.0	58.2	72.5	15.6	15.0	7388.6	2830.6
65	253L1065	3.0	75.0	108.0	65.6	72.6	14.8	13.8	7384.7	3892.5
219	253L1219	3.0	76.0	97.0	61.0	70.5	16.2	12.5	7371.2	3003.3
316	253L1316	3.0	76.0	111.0	56.2	71.7	19.1	13.6	7363.9	3314.9
289	253L1289	3.0	81.0	109.0	64.9	72.9	13.9	13.2	7361.6	3351.1
44	253L1044	3.0	82.0	117.0	55.7	68.5	17.4	15.1	7361.2	3959.5

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
161	253L1161	3.0	76.0	103.0	56.6	68.6	13.5	9.1	7360.9	3166.0
249	253L1249	3.0	77.0	105.0	60.1	73.3	15.4	14.1	7355.5	3375.1
38	253L1038	3.0	70.0	118.0	57.6	68.3	15.7	13.1	7354.3	3818.6
104	253L1104	3.0	70.0	92.0	59.7	71.7	11.3	10.4	7352.3	3961.7
127	253L1127	3.0	74.0	102.0	58.5	70.0	11.4	10.8	7346.2	4057.0
53	253L1053	3.0	75.0	112.0	57.8	68.2	11.3	8.5	7345.0	3885.3
22	253L1022	3.0	70.0	90.0	58.1	72.4	14.0	12.4	7314.7	2546.5
250	253L1250	3.0	81.0	109.0	53.6	68.1	14.0	12.9	7309.7	3238.5
40	253L1040	3.0	76.0	117.0	60.3	70.1	16.6	13.1	7297.5	4401.9
297	253L1297	3.0	77.0	102.0	56.8	71.9	15.6	11.8	7289.6	2313.2
245	253L1245	3.0	76.0	116.0	58.2	69.7	12.7	11.8	7279.5	3306.9
100	253L1100	3.0	72.0	117.0	65.6	72.5	11.0	10.5	7278.5	4387.3
153	253L1153	3.0	76.0	113.0	59.7	70.8	18.3	16.0	7275.6	2304.8
300	253L1300	3.0	75.0	108.0	65.4	73.4	13.8	12.9	7273.0	4226.6
57	253L1057	3.0	71.0	94.0	60.2	70.5	12.9	11.0	7260.0	3480.5
107	253L1107	3.0	76.0	93.0	58.1	70.0	10.3	7.5	7250.0	3989.9
229	253L1229	3.0	74.0	101.0	52.3	67.8	9.4	7.5	7248.9	3320.9
155	253L1155	3.0	76.0	105.0	57.1	69.0	17.8	15.6	7243.1	3316.3
52	253L1052	3.0	75.0	107.0	61.1	71.8	11.7	10.7	7229.0	3665.6
167	253L1167	3.0	76.0	98.0	58.7	70.3	14.7	12.3	7221.6	3799.1
92	253L1092	3.0	76.0	105.0	60.3	70.6	16.7	15.5	7212.9	4039.8
112	253L1112	3.0	70.0	100.0	58.5	71.6	17.4	17.3	7203.5	2361.3
49	253L1049	3.0	73.0	118.0	56.5	69.5	10.5	8.7	7203.1	3565.3
106	253L1106	3.0	72.0	95.0	61.9	71.6	11.2	10.6	7195.6	3256.9
67	253L1067	3.0	73.0	115.0	53.1	69.1	16.5	15.6	7174.3	2772.3
345	223L1213	3.0	70.0	107.0	60.3	71.2	-	-	7148.4	3475.3
117	253L1117	3.0	75.0	116.0	54.2	67.9	10.7	9.3	7145.9	3277.8
186	253L1186	3.0	75.0	95.0	58.7	70.5	13.6	10.7	7145.4	3136.4
175	253L1175	3.0	75.0	112.0	57.8	73.1	13.8	10.8	7125.7	3169.8
110	253L1110	3.0	75.0	90.0	66.7	73.5	12.6	10.0	7108.5	3581.5
318	253L1318	3.0	77.0	120.0	49.4	67.2	15.2	12.9	7107.0	2518.0
37	253L1037	3.0	69.0	106.0	58.0	69.3	10.3	8.4	7102.0	3814.9
93	253L1093	3.0	69.0	90.0	62.4	72.7	12.3	9.7	7097.9	2997.1
41	253L1041	3.0	81.0	114.0	58.0	69.3	18.9	16.4	7089.9	3281.6
335	253L1335	3.0	74.0	104.0	59.9	73.9	13.1	10.5	7087.4	2889.9
199	253L1199	3.0	76.0	101.0	62.5	71.5	14.8	13.1	7083.9	3721.7
191	253L1191	3.0	74.0	97.0	56.0	70.7	13.7	11.0	7072.7	2943.9
172	253L1172	3.0	75.0	100.0	63.7	71.7	9.8	8.8	7062.3	3494.8
227	253L1227	3.0	72.0	100.0	63.1	71.9	15.8	12.9	7062.3	3717.3
215	253L1215	3.0	80.0	105.0	61.2	72.0	16.9	14.5	7058.0	2948.5
8	253L1008	3.0	71.0	95.0	62.1	71.1	13.8	11.0	7055.7	3743.0
64	253L1064	3.0	81.0	106.0	54.1	68.4	16.4	16.3	7050.1	3147.2
39	253L1039	3.0	73.0	112.0	66.0	73.0	18.0	12.9	7048.8	4094.9
330	253L1330	3.0	76.0	113.0	58.5	69.9	14.8	12.8	7039.9	2785.3
220	253L1220	3.0	71.0	94.0	57.1	69.8	10.3	7.5	7027.0	3521.1
79	253L1079	3.0	83.0	105.0	60.6	71.1	13.7	12.3	7018.9	2988.9
33	253L1033	3.0	76.0	102.0	60.8	71.0	14.0	12.0	7017.4	4028.1
156	253L1156	3.0	81.0	116.0	60.9	70.7	11.2	10.0	6998.0	4163.0
272	253L1272	3.0	76.0	103.0	64.4	73.1	18.7	17.5	6990.2	3786.4
28	253L1028	3.0	76.0	109.0	65.8	72.1	15.4	13.0	6981.9	3230.2

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
98	253L1098	3.0	71.0	98.0	60.2	71.0	15.4	11.6	6969.0	3700.7
252	253L1252	3.0	76.0	107.0	62.2	72.4	17.8	18.1	6966.1	3299.8
214	253L1214	3.0	81.0	114.0	59.3	71.0	16.2	13.5	6957.9	3703.3
13	253L1013	3.0	74.0	98.0	58.8	70.7	19.5	17.1	6948.8	3446.0
95	253L1095	3.0	69.0	105.0	54.9	68.4	15.1	13.9	6940.6	4600.3
34	253L1034	3.0	76.0	109.0	55.8	69.7	10.9	6.5	6925.4	3847.3
119	253L1119	3.0	76.0	106.0	52.6	68.7	13.8	9.5	6892.2	2672.0
168	253L1168	3.0	75.0	105.0	56.7	71.5	15.7	13.6	6889.5	2975.0
307	253L1307	3.0	75.0	106.0	66.3	73.1	12.3	10.5	6883.3	3477.5
192	253L1192	3.0	75.0	96.0	64.8	72.8	16.8	15.4	6877.3	2966.3
47	253L1047	3.0	74.0	106.0	60.3	71.3	15.5	14.6	6872.4	4282.0
169	253L1169	3.0	81.0	97.0	61.9	71.6	12.2	10.0	6864.8	3327.7
63	253L1063	3.0	77.0	109.0	53.4	71.1	19.4	15.0	6848.5	3183.1
261	253L1261	3.0	75.0	108.0	66.6	73.7	13.3	12.7	6839.5	3742.0
71	253L1071	3.0	77.0	101.0	52.9	67.7	17.5	13.9	6822.5	3713.9
198	253L1198	3.0	76.0	107.0	64.2	73.5	15.1	14.1	6822.5	3973.5
256	253L1256	3.0	77.0	98.0	61.9	71.7	18.6	16.9	6818.8	3509.8
185	253L1185	3.0	74.0	97.0	52.9	69.1	19.5	16.9	6792.1	3028.4
144	253L1144	3.0	70.0	104.0	57.2	70.1	11.4	10.2	6760.9	3923.8
247	253L1247	3.0	81.0	105.0	56.7	69.4	13.9	12.2	6744.4	3512.2
321	253L1321	3.0	82.0	114.0	51.7	66.2	20.9	16.1	6743.0	3697.0
326	253L1326	3.0	70.0	103.0	57.1	70.1	11.6	8.4	6742.1	2939.2
73	253L1073	3.0	82.0	102.0	51.2	67.0	-	-	6730.6	3987.5
277	253L1277	3.0	76.0	104.0	67.1	75.0	14.8	13.6	6728.1	3295.5
304	253L1304	3.0	76.0	106.0	60.6	70.9	14.4	12.1	6717.9	3767.7
287	253L1287	3.0	81.0	100.0	57.8	71.6	16.6	15.6	6703.1	2950.9
101	253L1101	3.0	70.0	102.0	61.7	72.6	8.9	7.6	6698.4	3817.2
128	253L1128	3.0	71.0	99.0	59.0	72.0	10.2	9.1	6695.7	3573.0
111	253L1111	3.0	73.0	96.0	61.1	70.8	11.7	8.8	6686.5	3454.3
146	253L1146	3.0	76.0	92.0	-	-	-	-	6665.5	2821.4
232	253L1232	3.0	70.0	102.0	53.0	69.9	11.4	9.2	6657.5	3705.4
260	253L1260	3.0	76.0	102.0	63.2	71.5	13.7	12.4	6618.2	3200.4
291	253L1291	3.0	81.0	104.0	62.1	71.4	12.7	11.1	6601.6	3331.6
264	253L1264	3.0	75.0	109.0	65.2	73.1	16.6	15.4	6598.5	3470.0
294	253L1294	3.0	80.0	104.0	59.4	70.4	15.4	10.7	6583.6	3536.2
340	253L1340	3.0	76.0	105.0	56.9	70.8	16.5	13.4	6562.6	3598.5
200	253L1200	3.0	81.0	95.0	62.6	71.6	11.2	8.7	6553.6	3567.4
5	253L1005	3.0	71.0	106.0	61.8	71.6	16.3	11.8	6532.4	3559.8
285	253L1285	3.0	81.0	109.0	60.8	71.0	15.0	11.2	6526.4	2853.7
190	253L1190	3.0	75.0	96.0	55.3	69.9	15.3	12.2	6516.5	3137.9
68	253L1068	3.0	81.0	109.0	57.3	68.8	11.4	7.3	6491.6	3397.7
14	253L1014	3.0	76.0	110.0	63.6	73.6	11.4	10.0	6485.3	4252.1
24	253L1024	3.0	71.0	94.0	62.6	70.8	11.5	9.0	6484.5	4126.7
173	253L1173	3.0	75.0	96.0	64.5	71.3	8.4	5.7	6462.4	3832.1
135	253L1135	3.0	71.0	100.0	56.0	70.8	12.7	11.8	6457.0	3369.3
148	253L1148	3.0	76.0	90.0	59.4	70.1	17.3	14.3	6456.7	4473.0
134	253L1134	3.0	70.0	95.0	52.2	69.9	13.6	12.3	6447.6	2816.8
339	253L1339	3.0	81.0	108.0	60.5	70.1	9.0	7.0	6439.2	4323.3
97	253L1097	3.0	70.0	85.0	54.3	70.0	15.1	12.4	6432.5	2751.2
20	253L1020	3.0	74.0	104.0	62.1	72.9	15.4	12.3	6416.7	3506.4

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
70	253L1070	3.0	81.0	105.0	57.5	69.1	17.1	13.0	6394.7	2331.3
209	253L1209	3.0	72.0	101.0	58.8	71.0	9.8	7.5	6389.1	2182.7
3	253L1003	3.0	82.0	90.0	53.1	67.3	15.8	13.3	6386.1	3404.8
212	253L1212	3.0	70.0	104.0	60.2	73.2	15.0	14.4	6371.9	3176.2
315	253L1315	3.0	83.0	101.0	55.5	69.6	12.0	9.5	6359.6	2946.5
152	253L1152	3.0	76.0	107.0	56.3	69.3	13.2	10.0	6352.8	3273.0
26	253L1026	3.0	73.0	111.0	63.6	72.7	10.2	9.2	6346.5	3821.8
341	253L1341	3.0	81.0	114.0	61.2	73.6	18.1	15.0	6343.9	3530.8
131	253L1131	3.0	75.0	97.0	63.0	72.0	13.7	11.5	6334.0	3954.8
194	253L1194	3.0	73.0	107.0	59.9	71.6	12.6	10.3	6326.0	3245.5
58	253L1058	3.0	82.0	94.0	60.4	71.8	10.0	9.1	6315.6	4165.1
130	253L1130	3.0	70.0	103.0	50.2	68.9	11.2	9.2	6311.3	3151.9
50	253L1050	3.0	76.0	99.0	60.1	71.0	14.2	11.4	6299.4	3998.8
105	253L1105	3.0	70.0	96.0	58.9	72.6	10.1	7.1	6273.6	3271.1
269	253L1269	3.0	82.0	100.0	61.1	72.3	15.1	12.2	6254.6	2362.8
19	253L1019	3.0	72.0	94.0	57.6	70.5	13.0	10.0	6248.5	3396.1
10	253L1010	3.0	77.0	103.0	61.2	72.5	12.2	10.6	6232.6	2210.0
163	253L1163	3.0	76.0	106.0	57.1	71.6	18.0	15.8	6205.6	3513.6
143	253L1143	3.0	72.0	98.0	60.2	72.7	13.2	11.3	6202.8	3041.8
253	253L1253	3.0	81.0	104.0	54.9	66.5	22.1	21.4	6201.4	3929.0
179	253L1179	3.0	82.0	107.0	59.2	71.5	17.6	14.8	6193.1	3553.8
113	253L1113	3.0	81.0	108.0	52.5	69.3	13.9	10.0	6174.7	3941.4
288	253L1288	3.0	80.0	97.0	58.8	70.2	13.8	11.8	6159.3	2980.8
223	253L1223	3.0	72.0	87.0	60.4	70.7	13.1	12.1	6151.6	3228.0
118	253L1118	3.0	76.0	103.0	57.1	69.8	10.7	7.0	6120.2	3398.1
193	253L1193	3.0	81.0	108.0	62.1	73.3	14.3	12.3	6115.7	3702.5
236	253L1236	3.0	80.0	122.0	50.9	67.0	14.9	13.2	6114.4	3286.6
263	253L1263	3.0	75.0	107.0	65.5	73.5	18.6	17.1	6094.0	3608.6
244	253L1244	3.0	76.0	104.0	52.8	68.7	14.7	11.9	6089.4	3452.5
320	253L1320	3.0	83.0	117.0	58.3	69.2	12.7	11.0	6083.3	2739.0
43	253L1043	3.0	77.0	109.0	61.3	71.9	16.6	14.7	6074.7	3258.3
15	253L1015	3.0	77.0	100.0	64.0	73.1	15.5	14.3	6044.2	4126.7
309	253L1309	3.0	83.0	104.0	59.9	71.3	14.4	11.1	6032.4	4054.5
102	253L1102	3.0	72.0	96.0	58.3	71.7	15.6	13.1	6026.7	3416.9
205	253L1205	3.0	76.0	97.0	63.8	72.0	14.5	13.9	6014.2	3101.5
337	253L1337	3.0	75.0	91.0	62.2	71.1	14.3	11.8	5984.8	3108.5
308	253L1308	3.0	76.0	101.0	64.7	72.1	10.2	5.5	5981.1	4058.2
48	253L1048	3.0	71.0	107.0	63.2	72.4	8.5	6.1	5974.5	3112.2
248	253L1248	3.0	76.0	102.0	54.3	67.7	12.6	9.5	5947.9	3236.7
312	253L1312	3.0	81.0	103.0	57.0	69.8	13.9	11.7	5934.4	4079.9
4	253L1004	3.0	83.0	100.0	52.4	68.9	17.6	12.7	5933.6	2883.7
76	253L1076	3.0	77.0	102.0	47.5	66.8	18.3	15.7	5911.9	3252.7
171	253L1171	3.0	76.0	100.0	54.0	67.6	12.9	9.3	5852.8	2741.9
160	253L1160	3.0	76.0	93.0	49.0	66.5	16.0	11.5	5849.9	3299.2
189	253L1189	3.0	73.0	99.0	58.9	70.2	13.7	11.2	5841.6	3574.5
109	253L1109	3.0	76.0	96.0	60.1	70.9	16.9	13.2	5817.9	3179.6
325	253L1325	3.0	71.0	95.0	58.4	71.1	11.3	8.4	5813.8	2979.8
334	253L1334	3.0	74.0	99.0	65.5	72.3	10.7	9.5	5811.5	2916.1
302	253L1302	3.0	77.0	110.0	58.9	70.1	16.7	14.5	5736.9	3219.0
133	253L1133	3.0	76.0	102.0	60.1	71.0	12.7	9.7	5735.1	3545.6

Continued.

Table 4. Continued.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
165	253L1165	3.0	80.0	101.0	57.3	68.9	14.9	11.7	5631.1	3064.2
327	253L1327	3.0	81.0	105.0	57.9	67.6	11.3	10.5	5619.2	3924.5
17	253L1017	3.0	73.0	92.0	59.1	69.9	12.1	9.8	5609.4	3422.2
306	253L1306	3.0	82.0	114.0	61.3	72.7	12.4	10.9	5581.1	5022.9
75	253L1075	3.0	80.0	104.0	52.7	67.5	17.6	14.6	5560.1	3112.2
243	253L1243	3.0	76.0	106.0	57.4	68.8	12.8	7.9	5552.4	2978.6
276	253L1276	3.0	83.0	95.0	57.4	69.1	17.9	15.8	5487.1	2592.0
338	253L1338	3.0	82.0	100.0	62.1	71.3	12.8	11.3	5469.7	4044.4
274	253L1274	3.0	81.0	93.0	57.1	70.0	24.5	22.1	5468.7	2679.6
206	253L1206	3.0	71.0	94.0	61.0	72.1	10.9	8.9	5465.8	4034.8
324	253L1324	3.0	70.0	101.0	56.7	70.0	10.2	4.7	5448.0	2908.5
322	253L1322	3.0	76.0	89.0	59.5	70.8	9.8	7.9	5428.7	3311.1
23	253L1023	3.0	81.0	110.0	-	-	-	-	5405.4	4483.9
80	253L1080	3.0	82.0	93.0	56.8	68.4	13.6	10.0	5388.6	3845.3
2	253L1002	3.0	85.0	94.0	50.1	66.5	23.0	19.7	5368.6	3683.7
32	253L1032	3.0	74.0	94.0	60.8	71.4	15.7	15.1	5364.4	3693.1
158	253L1158	3.0	80.0	114.0	56.4	67.9	10.4	7.3	5351.4	3275.9
176	253L1176	3.0	81.0	102.0	53.5	67.8	16.3	13.0	5332.6	3305.8
116	253L1116	3.0	81.0	94.0	54.0	68.7	20.0	16.1	5196.1	2717.5
286	253L1286	3.0	80.0	101.0	61.7	71.9	14.1	8.5	5175.2	4090.4
237	253L1237	3.0	83.0	99.0	57.8	69.6	16.5	11.8	5161.3	3240.4
265	253L1265	3.0	72.0	100.0	55.0	70.4	17.2	14.5	5142.1	3267.7
195	253L1195	3.0	81.0	93.0	62.5	72.9	16.9	15.8	5090.5	3555.4
51	253L1051	3.0	71.0	90.0	57.6	70.2	12.2	11.7	5044.3	3324.2
6	253L1006	3.0	74.0	93.0	51.2	66.8	14.1	10.6	5036.1	2800.6
305	253L1305	3.0	82.0	113.0	47.0	59.2	19.8	16.7	5004.1	3661.1
319	253L1319	3.0	82.0	87.0	54.5	66.8	15.3	12.9	4976.6	2531.4
78	253L1078	3.0	82.0	107.0	47.0	70.0	17.9	14.6	4950.4	2646.3
303	253L1303	3.0	83.0	107.0	60.9	71.5	11.5	7.2	4887.2	4136.0
241	253L1241	3.0	82.0	81.0	55.1	69.1	23.2	21.2	4685.3	3136.7
251	253L1251	3.0	77.0	104.0	58.0	69.6	18.7	15.5	4685.3	3441.1
317	253L1317	3.0	81.0	96.0	53.8	68.4	19.5	15.2	4655.3	3630.9
125	253L1125	3.0	73.0	90.0	57.5	69.8	14.1	11.5	4645.4	3026.4
1	253L1001	3.0	84.0	106.0	55.1	70.7	12.5	8.6	4624.5	3130.3
328	253L1328	3.0	73.0	90.0	59.6	70.3	12.7	10.7	4597.7	3525.9
188	253L1188	5.0	77.0	89.0	57.9	70.6	20.3	16.8	4558.4	3282.8
31	253L1031	3.0	81.0	99.0	61.5	72.6	21.0	18.7	4552.7	3937.4
151	253L1151	3.0	77.0	90.0	53.9	68.1	16.6	12.7	4258.7	2774.3
310	253L1310	3.0	82.0	109.0	55.4	69.6	15.3	12.9	4069.3	3594.9
187	253L1187	3.0	77.0	90.0	55.5	68.6	16.9	14.4	4067.1	2801.2
77	253L1077	3.0	82.0	106.0	37.7	57.4	18.7	14.3	4038.4	3448.5
54	253L1054	3.0	82.0	97.0	60.0	70.1	12.2	10.0	3985.2	3342.1
311	253L1311	3.0	84.0	113.0	46.0	60.6	18.3	14.8	3883.4	2540.4
329	253L1329	3.0	82.0	92.0	58.4	71.1	14.6	11.9	3719.5	3267.1
55	253L1055	3.0	82.0	88.0	58.4	70.5	15.4	13.6	3488.6	3153.1

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Date of Planting Trials

The purpose of the Date of Planting (DOP) trials is to determine the grain yield, milling quality, and other agronomic characteristics of major rice varieties, experimental lines, and hybrids planted at various times at the H. Rouse Caffey Rice Research Station (HRCRRS), Rayne, LA. The choice of planting date can significantly impact growth, development, and yield. The information generated from these trials is important for understanding the impact on the key economic and production characteristics associated with rice production.

Trials were conducted using standard agronomic practices (except that no fungicides were applied) at the HRCRRS. A randomized complete-block design was applied to arrange test entries. The plot size was 4.66 x 16.5 ft. Seeding rate was 75 lb/A. Planting and harvesting dates are found in Table 1. Table 2 lists the entries, pedigrees, grain type, and herbicide type. Results can be found in Tables 3-11, which are arranged across planting dates.

Table 1. Planting and harvesting dates for the 2025 Date of Planting trials.

Location	Trial	Planting	Harvesting
HRCRRS	DOP 1	2/11	7/24
	DOP 2	3/6	7/26
	DOP 3	4/9	8/11
	DOP 4	4/30	9/2
	DOP 5	5/23	9/2

Table 2. Entry number, grain type, and source information for entries in the Date of Planting trials, 2025.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CL	1	RU2102222	CL172/Lakast	LG	LAES
CL	2	19T-029-4	182L1278/RU1702183	LG	LAES
CL	3	222L1082	171L1786/CL153	LG	LAES
CN	4	211L1331	RU1602195/Della2	AL	LAES
CN	5	201L1251	Catahoula/Lakast	LG	LAES
CN	6	211L1008	RU1702183/Avant	LG	LAES
CN	7	MP6_295	CL111/RoyJ//CL153/Lakast/3/CL153/Lakast/CL172/Cypress	LG	LAES
CN	8	Venus	Titan/Jupiter	MG	LAES
PV	9	PVL05	PVL01/Catahoula	LG HI	LAES
CN	10	Taurus	Rico1/Bengal//RU0602162/RU0502031	MG	AAES
PV	11	PVL06	Diamond*2/3/(RU1601070/RU1201145)F1/HPHI2// (17SIT556(RU0801093/Mermentau//RU1701084)/Jewel)F1	LG	AAES
CL	12	CLHA03	CL163/CL153	LG HI	LAES
CL	13	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES
CN	14	Fitzgerald	Jazzman2/Catahoula	AL	LAES
CN	15	Jupiter	Bengal/Rico1/3/Bengal//Mercury/Rico1	MG	LAES
PV	16	PVL03	PVL01/Catahoula	LG	LAES
CL	17	CLL18	RoyJ/CL142AR	LG	AAES
CL	18	CLM05	CLM05-female parent/CLM05-male	MG	AAES
PV	19	PVL04	18SIT0557/RU2201021-BC2	LG HI	AAES
PV	20	23DGL-001PV		LG HI	NAS
CN	21	23DGL070		LG HI	NAS
CN	22	DG245L		LG	NAS
CN	23	DG263L		LG HI	NAS
PV	24	DG563PVL		LG HI	NAS

* Herbicide Type – Clearfield (CL), Conventional (CN), FullPage (FP), MaxAce (MA), and Provisia (PV).

† LG = Long grain, LG HI = Long-grain high-amylose Dixie Belle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

‡ LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; MAES – Mississippi Agricultural Experiment Station, Stoneville, MS; RT – RiceTec, Alvin, TX; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 3. Grain yields[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	11626.5	11477.5	7631.9	6635.9	7043.7	8883.1
19T-029-4	10989.8	11199.5	7864.3	6880.7	7470.9	8881.0
222L1082	11103.6	11971.3	9088.2	5990.5	7359.7	9102.6
211L1331	9831.0	10433.1	6413.9	5823.1	6273.4	7754.9
201L1251	11586.5	11949.0	7029.3	6073.8	6110.3	8549.8
211L1008	10244.2	10667.4	8165.7	5584.5	6668.5	8266.1
MP6_295	10184.8	10764.9	7181.5	5091.5	6599.2	7964.4
Venus	10332.5	11038.0	6529.9	2186.7	4637.7	6945.0
PVL05	10182.6	11071.0	7504.4	5022.8	6232.0	8002.6
Taurus	11519.5	12387.9	7306.1	4225.5	6248.1	8337.4
PVL06	11131.0	11655.4	7616.6	5204.8	7374.1	8596.4
CLHA03	10605.0	11286.2	7433.0	6135.2	6925.3	8477.0
CLL19	9889.7	11377.8	8164.6	6184.7	6947.6	8512.9
Fitzgerald	10016.8	10730.8	5906.2	3240.2	4377.7	6854.3
Jupiter	11265.5	11117.2	6196.5	3014.8	4780.4	7274.9
PVL03	9840.0	10567.2	6421.5	4622.2	6015.1	7493.2
CLL18	11668.5	12295.9	7300.7	5203.5	7129.7	8719.6
CLM05	12005.6	12505.7	8894.0	5770.3	6735.2	9182.2
PVL04	10739.3	10651.5	7458.6	4779.6	6488.7	8023.6
23DGL-001PV	10098.6	10164.4	7673.0	3212.1	4524.9	7134.6
23DGL070	11430.9	11726.0	9422.5	6058.2	6769.7	9081.5
DG245L	10444.6	10881.7	6853.5	5104.8	6017.5	7860.4
DG263L	11460.9	11389.1	9907.0	6025.1	7130.0	9182.4
DG563PVL	10198.5	11139.5	7958.4	5161.8	6316.5	8155.0
Mean	10766.5	11268.7	7580.1	5134.7	6340.7	

[†] Yield is in pounds of rough rice per acre at 12% moisture.

Table 4. Seedling vigor[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	3.0	3.0	3.7	3.0	3.0	3.1
19T-029-4	3.0	1.7	3.7	3.0	3.0	2.9
222L1082	3.0	3.0	2.3	3.0	3.0	2.9
211L1331	3.7	5.0	3.0	5.0	3.0	3.9
201L1251	2.3	3.0	3.0	3.7	3.0	3.0
211L1008	3.0	3.0	3.0	3.0	3.0	3.0
MP6_295	3.0	3.0	3.0	3.7	3.0	3.1
Venus	3.0	3.0	3.7	7.0	3.0	3.9
PVL05	5.0	4.3	3.7	3.7	3.0	3.9
Taurus	2.3	1.7	3.0	6.3	3.0	3.3
PVL06	1.7	3.0	3.0	6.3	3.0	3.4
CLHA03	3.0	3.0	3.0	3.0	3.0	3.0
CLL19	3.0	3.0	2.3	3.0	3.0	2.9
Fitzgerald	2.3	2.3	2.3	5.7	3.0	3.1
Jupiter	3.0	3.0	3.0	6.3	3.0	3.7
PVL03	1.0	1.7	1.7	3.0	3.0	2.1
CLL18	1.7	1.7	2.3	5.0	3.0	2.7
CLM05	3.0	2.3	1.0	4.3	3.0	2.7
PVL04	3.7	3.0	3.0	5.0	3.0	3.5
23DGL-001PV	6.3	3.0	3.0	3.0	3.0	3.7
23DGL070	4.3	3.0	3.7	3.0	3.0	3.4
DG245L	3.7	3.0	3.0	4.3	3.7	3.5
DG263L	5.7	3.0	3.0	3.0	3.0	3.5
DG563PVL	6.3	5.0	3.0	4.3	3.0	4.3
Mean	3.3	2.9	2.9	4.2	3.0	

[†] Subjective rating of 1 to 9, where 1 is the highest seedling vigor and 9 is the lowest seedling vigor.

**Table 5. Days to 50% heading[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025.
H. Rouse Caffey Rice Research Station, Rayne, LA.**

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	89.0	82.7	76.7	78.3	64.3	78.2
19T-029-4	85.3	80.3	76.7	78.0	64.7	77.0
222L1082	85.3	81.7	72.3	75.0	64.3	75.7
211L1331	91.3	88.3	79.7	77.7	69.0	81.2
201L1251	89.3	84.7	79.0	80.0	68.0	80.2
211L1008	82.7	78.3	74.0	74.0	60.0	73.8
MP6_295	87.3	83.3	78.3	78.7	67.0	78.9
Venus	86.0	82.7	76.7	77.7	66.3	77.9
PVL05	88.0	85.3	77.3	77.3	64.0	78.4
Taurus	85.7	83.0	75.0	77.3	66.0	77.4
PVL06	85.7	81.0	77.7	80.0	66.7	78.2
CLHA03	87.7	83.0	76.0	77.0	66.3	78.0
CLL19	84.7	80.7	75.0	75.0	63.3	75.7
Fitzgerald	84.0	79.3	76.0	78.3	64.0	76.3
Jupiter	92.0	87.3	79.0	78.3	67.0	80.7
PVL03	84.7	82.3	77.0	77.0	65.7	77.3
CLL18	88.3	84.7	77.7	78.3	67.0	79.2
CLM05	91.0	85.3	78.0	78.7	70.0	80.6
PVL04	92.0	87.7	79.0	78.3	67.7	80.9
23DGL-001PV	84.0	77.3	73.3	70.0	60.0	72.9
23DGL070	90.3	80.7	75.7	78.0	61.3	77.2
DG245L	87.3	83.7	75.3	77.7	64.3	77.7
DG263L	93.0	83.3	77.7	79.3	63.7	79.4
DG563PVL	96.7	91.0	80.3	78.7	65.0	82.3
Mean	88.0	83.2	76.8	77.4	65.2	

[†] The number of days from plant emergence to 50% heading.

Table 6. Plant height[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	94.7	90.7	91.3	91.0	85.3	90.6
19T-029-4	98.7	99.7	106.7	98.3	100.3	100.7
222L1082	98.7	101.7	111.0	100.0	108.0	103.9
211L1331	106.3	100.3	106.3	97.3	98.0	101.7
201L1251	98.0	93.7	94.7	93.0	88.7	93.6
211L1008	97.3	103.0	99.3	93.0	88.7	96.3
MP6_295	90.0	93.3	94.3	92.7	92.7	92.6
Venus	94.0	91.3	89.0	74.3	81.3	86.0
PVL05	90.7	99.0	97.7	94.3	92.0	94.7
Taurus	86.0	86.0	92.0	77.0	78.7	83.9
PVL06	106.0	101.0	99.0	97.3	96.3	99.9
CLHA03	93.3	94.3	97.7	98.0	98.3	96.3
CLL19	96.0	97.3	99.0	89.0	91.3	94.5
Fitzgerald	93.0	89.0	92.7	88.0	89.0	90.3
Jupiter	90.3	91.3	93.0	76.7	80.3	86.3
PVL03	100.0	101.0	101.7	96.3	98.7	99.5
CLL18	108.3	103.3	104.3	106.0	96.7	103.7
CLM05	95.0	92.7	98.0	84.0	84.7	90.9
PVL04	102.0	100.7	104.0	97.3	95.3	99.9
23DGL-001PV	84.0	78.7	94.0	87.0	80.3	84.8
23DGL070	90.3	98.7	95.0	90.3	95.0	93.9
DG245L	97.3	95.0	94.7	90.0	84.7	92.3
DG263L	101.0	99.3	106.3	98.3	99.3	100.9
DG563PVL	93.7	93.7	97.7	87.0	87.3	91.9
Mean	96.0	95.6	98.3	91.5	91.3	

[†] Plant height in centimeters from the soil surface to the tip of the main panicle.

Table 7. Whole milling percentage[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025, H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	68.3	68.2	62.3	62.7	66.2	65.5
19T-029-4	68.0	67.7	59.9	58.5	65.7	63.9
222L1082	67.7	67.9	59.9	56.9	63.5	63.2
211L1331	66.4	65.4	53.9	59.1	62.4	61.4
201L1251	65.1	64.1	51.2	55.1	59.2	58.9
211L1008	66.6	67.8	61.2	53.8	63.8	62.6
MP6_295	61.9	61.7	54.5	52.4	61.4	58.4
Venus	68.8	68.2	64.3	54.9	63.5	64.0
PVL05	61.0	61.5	51.5	45.1	56.4	55.1
Taurus	66.0	67.6	59.5	55.1	64.2	62.5
PVL06	59.6	57.4	49.1	52.5	57.4	55.2
CLHA03	67.5	66.8	61.1	59.1	64.1	63.7
CLL19	65.6	65.5	59.4	52.6	61.9	61.0
Fitzgerald	66.8	67.6	59.0	56.0	63.6	62.6
Jupiter	65.8	66.0	62.1	57.6	59.1	62.1
PVL03	67.1	65.5	54.9	53.7	62.9	60.8
CLL18	59.1	58.8	45.6	51.1	56.2	54.2
CLM05	67.0	67.7	59.7	59.3	63.4	63.4
PVL04	64.2	61.3	53.7	51.7	58.5	57.9
23DGL-001PV	62.9	62.1	58.6	49.8	58.1	58.3
23DGL070	63.6	61.2	54.0	49.0	56.9	56.9
DG245L	68.6	68.7	64.0	62.2	67.5	66.2
DG263L	61.0	60.5	55.2	53.9	59.2	57.9
DG563PVL	62.9	60.9	56.7	57.9	61.5	60.0
Mean	65.1	64.6	57.1	55.0	61.5	

[†] The percentage of unbroken grains after the removal of the hulls and broken grains.

Table 8. Total milling percentage[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025, H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	72.6	72.6	69.9	70.3	71.4	71.4
19T-029-4	72.6	72.7	69.0	69.0	71.3	70.9
222L1082	72.6	72.7	69.1	68.5	69.8	70.5
211L1331	71.3	70.7	65.8	68.5	68.8	69.0
201L1251	72.0	71.8	66.2	68.9	69.5	69.7
211L1008	71.8	71.9	69.0	66.7	70.3	69.9
MP6_295	71.2	70.3	66.3	67.1	69.5	68.9
Venus	71.5	71.5	70.2	67.0	69.2	69.9
PVL05	71.7	71.9	68.0	66.8	70.1	69.7
Taurus	72.0	72.7	69.9	69.4	71.8	71.1
PVL06	69.6	68.9	64.3	67.1	68.5	67.7
CLHA03	71.6	71.2	68.3	68.8	69.5	69.9
CLL19	71.4	71.4	68.8	66.6	69.5	69.5
Fitzgerald	72.2	72.2	68.0	66.9	69.4	69.7
Jupiter	70.6	70.7	68.0	67.4	69.1	69.2
PVL03	73.3	73.3	68.6	68.6	71.4	71.1
CLL18	69.6	69.2	63.1	66.2	67.5	67.1
CLM05	70.4	70.8	66.7	68.6	68.2	68.9
PVL04	72.0	69.8	66.7	67.2	69.1	69.0
23DGL-001PV	70.5	70.1	69.2	65.3	67.7	68.6
23DGL070	70.0	69.1	66.5	64.8	67.0	67.5
DG245L	73.4	73.3	70.9	71.4	72.1	72.2
DG263L	68.5	69.0	66.2	67.0	67.6	67.7
DG563PVL	69.8	68.4	67.0	67.9	68.3	68.3
Mean	71.3	71.1	67.7	67.8	69.4	

[†] The cumulative percentage of broken and unbroken grains after the removal of the hulls.

Table 9. Chalk impact[†] of 24 rice varieties and experimental lines planted over five planting dates. 2025. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	13.5	12.3	11.2	11.4	7.9	11.3
19T-029-4	13.0	16.3	15.2	15.0	13.7	14.6
222L1082	15.6	12.8	14.5	16.3	13.8	14.6
211L1331	17.4	13.1	14.6	12.9	10.0	13.6
201L1251	21.0	16.3	19.2	21.5	14.2	18.5
211L1008	21.0	17.6	16.7	18.1	15.5	17.8
MP6_295	28.3	27.2	22.8	27.5	21.9	25.5
Venus	12.5	14.9	16.8	18.2	16.0	15.7
PVL05	15.9	14.7	14.8	21.2	15.1	16.3
Taurus	8.5	9.8	9.5	11.4	11.7	10.2
PVL06	26.6	25.2	17.7	17.5	15.6	20.5
CLHA03	14.2	13.1	12.9	14.5	10.9	13.1
CLL19	25.1	23.8	18.8	20.3	18.5	21.3
Fitzgerald	10.6	7.7	6.2	12.5	5.1	8.4
Jupiter	19.8	18.4	22.8	18.1	16.6	19.2
PVL03	17.4	16.6	17.6	22.5	17.1	18.2
CLL18	31.5	27.0	21.9	21.9	17.0	23.9
CLM05	14.1	15.1	19.6	17.8	15.3	16.4
PVL04	21.1	17.8	15.4	21.3	16.7	18.5
23DGL-001PV	19.9	18.4	18.8	16.5	13.8	17.5
23DGL070	7.5	7.4	8.8	10.0	7.3	8.2
DG245L	17.9	15.8	11.7	15.8	12.5	14.7
DG263L	17.4	18.6	17.1	14.3	13.6	16.2
DG563PVL	17.0	13.8	14.9	11.9	11.4	13.8
Mean	17.8	16.4	15.8	17.0	13.8	

[†] The percentage of the total area of a seed that contains chalk across grain samples using SC5000 instrument.

Table 10. Chalky seeds[†] of 24 rice varieties and experimental lines planted over five planting dates, 2025. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	13.2	11.9	10.0	10.3	6.2	10.3
19T-029-4	10.3	13.9	9.6	11.5	7.7	10.6
222L1082	13.8	10.7	12.5	14.1	11.5	12.5
211L1331	18.8	13.0	12.9	11.5	8.0	12.8
201L1251	18.7	13.2	16.9	19.1	10.5	15.6
211L1008	22.1	17.2	15.8	17.6	14.4	17.4
MP6_295	26.9	26.3	18.5	25.8	18.5	23.2
Venus	8.1	8.8	10.1	13.2	9.0	9.8
PVL05	15.1	12.8	13.6	20.5	13.3	15.0
Taurus	4.0	4.3	4.8	5.9	4.9	4.8
PVL06	28.1	26.4	16.5	16.1	13.8	20.1
CLHA03	12.7	11.6	10.3	12.7	7.5	10.9
CLL19	23.7	21.0	14.7	17.0	14.6	18.2
Fitzgerald	10.6	7.3	4.7	10.6	3.2	7.3
Jupiter	16.6	13.4	16.9	11.8	8.4	13.4
PVL03	16.9	14.9	16.2	21.6	14.8	16.9
CLL18	31.2	26.2	20.4	19.5	13.6	22.2
CLM05	11.2	10.9	16.2	13.9	10.6	12.5
PVL04	20.3	16.8	13.5	20.4	15.0	17.2
23DGL-001PV	15.8	13.1	14.5	12.3	9.9	13.1
23DGL070	5.1	5.5	7.5	7.9	5.6	6.3
DG245L	17.2	14.7	7.6	13.2	8.3	12.2
DG263L	15.4	16.6	14.5	12.4	11.8	14.1
DG563PVL	15.6	12.0	12.7	10.5	9.0	11.9
Mean	16.3	14.2	12.9	14.5	10.4	

[†] Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

**Table 11. Ratoon grain yields[†] of 24 rice varieties and experimental lines planted over five planting dates, 2025.
H. Rouse Caffey Rice Research Station, Rayne, LA.**

Entry	Planting Date					Mean
	2/11	3/6	4/9	4/30	5/23	
RU2102222	2890.1	2987.6	2368.4	-	-	2748.7
19T-029-4	3044.8	3057.2	2552.9	-	-	2885.0
222L1082	3523.9	3444.7	2813.0	-	-	3260.5
211L1331	3015.9	2982.3	2464.3	-	-	2820.9
201L1251	2633.0	2704.8	2800.6	-	-	2712.8
211L1008	3251.8	2966.7	1837.2	-	-	2685.2
MP6_295	3152.4	3380.9	2302.5	-	-	2945.3
Venus	4068.5	3980.0	2227.5	-	-	3425.4
PVL05	2313.9	2415.6	-	-	-	2364.7
Taurus	3383.1	3202.2	2186.5	-	-	2923.9
PVL06	3274.4	2956.2	2059.4	-	-	2763.4
CLHA03	3356.9	2997.9	2574.2	-	-	2976.4
CLL19	2971.0	3051.6	2393.5	-	-	2805.4
Fitzgerald	3071.4	3117.7	2392.3	-	-	2860.5
Jupiter	3057.0	3339.5	1815.0	-	-	2737.2
PVL03	3163.7	3153.5	2221.4	-	-	2846.2
CLL18	3044.4	2471.3	2694.2	-	-	2736.6
CLM05	3920.8	3311.4	2199.4	-	-	3143.8
PVL04	2682.5	2088.6	1810.4	-	-	2193.8
23DGL-001PV	2728.9	2512.7	-	-	-	2620.8
23DGL070	3624.4	3559.8	1864.1	-	-	3016.1
DG245L	2731.8	2849.2	2325.3	-	-	2635.4
DG263L	2983.0	2791.0	-	-	-	2887.0
DG563PVL	1911.6	1331.9	-	-	-	1621.7
Mean	3075.0	2943.9	2295.1	-	-	

[†] Yield is in pounds of rough rice per acre at 12% moisture.

Cooperative Uniform Regional Rice Nursery

The Uniform Regional Rice Nursery (URRN) is a multi-state yield nursery conducted by public rice breeders at research locations in Arkansas, Louisiana, Mississippi, Texas, California, and Missouri to evaluate experimental lines and commercial varieties. Entries are exposed to different environments over a wide, diverse growing region. This allows researchers to evaluate entries adaptation in a single row.

The 2025 URRN test included 40 experimental lines and varieties planted in four states. The randomized complete-block design was applied with three replications. Seeding rates were 75 lb/A for varieties.

The 2025 URRN results from the HRCRRS will be reported. All plots were drill seeded on April 9. The test was harvested on August 12. The test was conducted using standard agronomic practices (except that no fungicides were applied). Table 1 shows the herbicide type, entry number, line, pedigree, grain type, and source, while Table 2 shows grain and milling yields and agronomic performance (seedling vigor, days to 50% heading, plant height, whole and total milling, chalk, and main and ratoon yield) of entries in the 2025 URRN at the HRCRRS.

Table 1. Entry number, pedigree, grain type, and source information for entries in the Uniform Regional Rice Nursery, 2025 (LA varieties highlighted in grey).

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	1	TXEL0844	CPRS/3/CPRS/NWBT/KATY/4/SPRING	LG	TAES
CN	2	23P072	CPRS/SABR//MADISON/3/COLORADO	LG	TAES
CN	3	23P509	CCDR/LQ275a//RU0301081/3/RHONDO	LG	TAES
CN	4	23P757	Milyang49/IR1321-12	LG	TAES
CN	5	23P847	Milyang53/Wells	LG	TAES
CN	6	Trinity	Saber/Cocodrie//Presidio	LG	TAES
CN	7	Presidio	Jefferson//Maybelle/Rosemont	LG	TAES
CN	8	TIL22043	329B/Katy	LG HI	TAES
CN	9	TIL23018	Ghoal_Champa/Presidio	LG HI	TAES
CN	10	TIL23021	IR72/Rondo	LG HI	TAES
CL	11	19T-176-CONV-10	RU1702165/RU1801211	MG	LAES
CL	12	19T-176-CONV-38	RU1702165/RU1801211	MG	LAES
CN	13	211L1331	RU1602195/Della2	AL	LAES
CL	14	212L2252	RU1002146/3/Jazzman2//07PY824/08CLR003/4/Jazzman/08CLR004//RU0802146/3/RU0802146	AL	LAES
PV	15	213L1130	PVL01/Catahoula	LG	LAES
PV	16	PVL05	PVL01/Catahoula	LG HI	LAES
CL	17	222M1096	RU1902174/Lynx	MG	LAES
CL	18	232L1170	RU1902194/RU1902126	LG HI	LAES
CL	19	222L1161	Diamond/RU1902146	LG	LAES
PV	20	RU1902227-PV-001-bulk	RU1902227/RU1902227-PV-BC2	MG	LAES
PV	21	23AR2104	RU1901065/4/JEWL/3/RU1601070/RU1201145//HPHI2	LG	AAES
PV	22	24AR2134	RU1701084/5/RU1901065/4/JEWL/3/RU1601070/RU1201145//HPHI2	LG	AAES
CN	23	23AR143	RU1701084//RU0801093/MRMT	LG	AAES
CL	24	24AR1134	RU2001125/RU1801145	LG	AAES

Continued.

Table 1. Continued.

HT*	Entry	Line	Pedigree	Grain Type [†]	Source [‡]
CN	25	23AR148	RU1601070/Diamond	LG	AAES
CN	26	23LG115	ROYJ/2/KBNT/Q36194/7/LBNT/9902/3/DAWN/9695//STBN/4/LGRU/5/WLLS/6/LGRU//LMNT/RA73/3/LGRU/4/LGRU/8/91642//KATY/NWBT/5/RU9201176/4/KATY/NWBT/3/LBNT/STBN//NWBT/6/CYBT/7/FRNS	LG HI	AAES
CN	27	23LG335	IRGA409/RXMT/5/NWBT/3/LBNT/9902//LBLE/4/MILL/6/LBNT/9902/3/DAWN/9695//STBN/4/LGRU/5/WLLS/7/DMND	LG	AAES
CL	28	24CL1329	STG19IMI-01-054/STG15L-10-124	LG	AAES
CL	29	24CL1341	STG19IMI-01-054/Lakast	LG	AAES
CN	30	23Ar3736	Jazzman/RU0701124//Diamond	LG	AAES
CN	31	RU2306047	Lemont/Jasmine85	LG	USDA
CN	32	RU2306048	Lemont/Jasmine85	LG	USDA
CL	33	CLL19	Wells/CL161//Drew/CL161/3/Cheniere//Cocodrie/Jefferson	LG	LAES-CK
PV	34	PVL03	PVL01/Catahoula	LG	LAES-CK
CN	35	Ozark	Diamond/Lakast	LG	AAES-CK
CN	36	Avant	Trenasse//Cocodrie/Jefferson/3/Ahrent/Cocodrie//Cocodrie/LaGrue	LG	LAES-CK
CN	37	Taurus	Rico1/Bengal//RU0602162/RU0502031	MG	AAES-CK
CN	38	DG263L	-	LG	NAS-CK
CL	39	CLL18	RoyJ/CL142AR	LG	AAES-CK
CL	40	CLM05	Earl/PI350298//Jupiter/RU1501096	MG	AAES-CK

* Herbicide Type – Clearfield (CL), Conventional (CN), Provisia (PV).

[†] LG = Long grain, LG HI = Long-grain high-amylose Dixie Belle type, LG HYB = Long grain hybrid, MG = Medium grain, MG HYB = Medium grain hybrid, AL = Aromatic long grain, AM = Aromatic medium grain, and SG = Short grain.

[‡] LAES – H. Rouse Caffey Rice Research Station, Louisiana Agricultural Experiment Station, LSU AgCenter, Rayne, LA; AAES – Arkansas Agricultural Experiment Station, Stuttgart, AR; TAES – Texas A&M Research and Education Center, Texas Agricultural Experiment Station, Beaumont, TX; U.S. Department of Agriculture; RiceTec, Alvin, TX; and NAS – Nutrien Ag Solutions, El Campo, TX.

Table 2. Grain and milling yields and agronomic performance of entries in the 2025 Uniform Regional Rice Nursery. H. Rouse Caffey Rice Research Station, Rayne, LA.

Entry	Line	Vigor ¹	Days to 50% Heading	Plant Height (cm)	Whole Milling (%)	Total Milling (%)	Chalk Impact ²	Chalky Seeds ³	Yield (lb/A)	Ratoon Yield (lb/A)
23	23AR143	1.7	75.3	106.0	62.7	70.2	27.2	26.6	10409.8	1119.0
40	CLM05	2.3	78.7	103.7	59.3	64.9	16.9	13.2	10131.8	1643.3
29	24CL1341	3.0	77.7	112.7	55.4	67.2	23.1	22.9	10113.2	1459.6
18	232L1170	3.0	76.0	107.3	63.5	70.7	14.5	11.3	9956.6	2540.6
21	23AR2104	3.0	78.0	115.7	62.3	70.7	15.1	12.8	9909.9	1308.4
11	19T-176-CONV-10	2.3	77.7	111.3	61.3	68.7	13.6	7.5	9877.7	2091.9
22	24AR2134	3.0	75.3	112.3	59.4	68.7	22.9	21.8	9735.3	1256.2
25	23AR148	3.0	73.3	105.3	54.8	68.1	18.9	16.5	9672.5	2450.5
16	PVL05	3.0	76.0	106.7	52.0	67.3	12.9	10.3	9643.8	1612.2
17	222M1096	3.0	79.0	105.0	65.2	69.1	10.3	5.6	9628.7	2590.0
28	24CL1329	3.0	75.7	105.3	55.3	66.8	24.8	23.9	9584.1	1588.1
26	23LG115	3.0	73.7	110.7	55.2	68.3	17.4	14.8	9473.7	2148.1
12	19T-176-CONV-38	3.0	78.0	106.7	63.2	69.8	12.2	5.6	9370.7	2586.9
38	DG263L	3.0	74.3	107.0	57.9	66.9	19.1	17.3	9278.4	1877.9
27	23LG335	3.0	72.0	109.3	54.7	66.5	22.4	19.5	9247.5	1311.8
35	Ozark	2.3	76.3	108.7	55.1	67.6	23.7	21.6	9187.6	2305.0
37	Taurus	1.0	73.3	94.0	63.6	69.6	8.7	4.1	9186.9	2152.3
19	222L1161	3.0	72.0	102.3	58.8	68.9	17.0	14.1	9110.3	2813.0
33	CLL19	2.3	69.0	101.3	63.9	70.8	19.2	15.1	9097.4	2440.2
30	23Ar3736	3.0	78.3	113.7	60.6	68.9	8.4	7.4	8991.2	2186.0
39	CLL18	1.7	75.3	112.0	53.9	66.6	23.0	21.7	8813.4	2416.7
15	213L1130	3.7	76.0	105.3	61.5	69.7	13.9	11.8	8498.6	2757.1
36	Avant	2.3	65.0	96.7	66.3	72.2	13.6	12.7	8346.0	3126.1
14	212L2252	3.0	70.7	103.3	65.5	72.1	8.2	6.8	8306.9	2829.7
20	RU1902227-PV-001-bulk	3.0	76.7	94.3	64.8	69.7	10.7	6.0	8266.1	2901.9
13	211L1331	3.0	78.3	109.0	64.4	70.6	14.1	12.0	8178.0	1961.7
5	23P847	3.0	77.0	106.0	66.7	71.6	3.3	2.0	8073.0	2400.7
34	PVL03	2.3	75.0	109.3	58.9	69.1	14.3	11.9	8058.2	2465.3
24	24AR1134	3.0	75.7	112.0	56.8	67.7	20.3	18.2	7878.2	2499.3
3	23P509	2.3	86.0	134.0	47.2	63.0	22.9	21.5	7814.3	958.4
1	TXEL0844	3.0	78.0	99.7	60.0	70.7	15.5	14.8	7811.2	2840.1
9	TIL23018	3.7	78.7	110.0	62.0	69.8	10.4	8.4	7725.2	2126.0
4	23P757	3.0	79.0	117.7	61.3	67.6	10.8	8.3	7286.0	2630.6
32	RU2306048	3.0	80.3	116.7	61.0	68.5	12.1	10.9	7240.5	3763.3
2	23P072	3.0	71.3	110.0	58.5	69.5	9.8	6.6	7148.8	2477.6
31	RU2306047	3.0	81.0	124.3	61.6	68.2	6.5	5.0	7073.4	3837.1
6	Trinity	3.0	79.7	113.7	62.0	68.6	12.1	6.1	6720.7	2638.8
7	Presidio	3.0	73.7	106.0	62.4	69.1	6.3	3.5	6672.2	2785.8
8	TIL22043	3.0	75.3	123.3	52.3	68.3	9.4	7.5	6530.9	2210.9
10	TIL23021	3.0	70.3	118.7	57.3	68.2	11.9	11.6	5975.0	1991.2

¹ Subjective rating 0 to 9, where 0 = excellent, 9 = poor.

² Chalk impact - Percentage of the total area that contains chalk across grain sample using SC5000 instrument.

³ Chalky seeds - Percent of seeds that contain over 50% of the grain as chalky using SC5000 instrument.

Breeding and Genomic Innovation for Health-Forward Rice: Integrating Low G-I, High Protein, Resistant Starch, and Cardioprotective Traits

H.S. Utomo, J. Losso, and A. Famoso

This research builds on our previous work by introducing additional nutritional enhancements to the established low-GI, high-protein rice cultivar Frontière (commercially known as Cahokia or Parish Rice). Through targeted genetic biofortification, we are increasing resistant starch and essential grain oils such as γ -oryzanol to further advance this cultivar toward a true functional-food profile with a more complete, health-promoting nutritional composition. These improvements directly address a long-standing global problem: most conventional rice varieties possess a high Glycemic Index (typically GI 70–80) and low nutritional value, a combination that drives rapid starch digestion, postprandial hyperglycemia, and elevated risk of type 2 diabetes, particularly in populations that rely on rice for up to 50% of daily caloric intake.

By reducing the GI to 41 for Frontière white rice, and even to an ultra-low GI of 23 for its brown rice, this cultivar becomes a highly competitive and safe source of carbohydrates, outperforming quinoa and buckwheat, both of which have GI values around 53. Frontière clearly falls within a safer glycemic range and represents a viable staple for individuals with diabetes or those at metabolic risk. The further integration of enhanced resistant starch and beneficial grain oils not only mitigates the metabolic burden associated with traditional rice consumption but also positions this cultivar as a scientifically grounded solution for improving public health outcomes.

While our previous research continues, the following reports covers summaries of preliminary work on the new initiative to introduce additional high-value nutritional traits into the U.S. rice cultivar Frontière using genomic tools. The project applies a targeted allele-introgression strategy to incorporate five key donor alleles, i.e. *GBSSI*(+), *SBEIIb*(–), *SSIIa*(+), *OsOLE16*(+), and *WRI1-like*(+), into Frontière through marker-assisted selection (MAS). The immediate objective is the precise and efficient transfer of each allele into the recurrent parent, followed by systematic validation. As the work advances, these individually confirmed alleles will be stacked to generate elite breeding lines. These lines will then enter multi-location field trials to evaluate agronomic stability, environmental robustness, and the enhanced nutritional performance expected from the combined allele set.

1. Donor Alleles Used for Resistant Starch Enhancement

Three non-wildtype donor alleles, donor carrying lines, gene information, marker type, functional region targeted, and functional effect for *SSIIa* (+), *OsOLE16* (+), and *WRI1-like* (+) are described as follows.

Allele	Gene / Locus (ID & Chromosome)	Donor Lines / Haplotypes	Marker Type	Primer / Functional Target Region	Functional Effect on Starch / Nutrition
<i>GBSSI</i> (+)	<i>Wx</i> (Os06g013300), Chr 6	IR36, IR64 (indica high-amylose; Wxa haplotype)	KASP or dCAPS	Intron 1 splice-site SNP distinguishing Wxa vs. Wxb	Increase GBSS1 expression; Increase amylose accumulation; strong GI-lowering effect
<i>SSIIa</i> (+)	<i>SSIIa</i> / <i>ALK</i> (Os06g065030), Chr 6	Milyang 23, IR36 (indica low-gelatinization-temperature haplotypes)	KASP	Exonic SNPs differentiating indica vs. japonica haplotypes	Produces intermediate amylopectin chain lengths; Increase retrogradation; Increase RS formation; maintains cooking quality
<i>SBEIIb</i> (–)	<i>SBEIIb</i> (Os02g32660), Chr 2	Goami 2, Goami 3 (high-RS mutants)	KASP or InDel	Coding SNPs, InDels, or transposon insertions causing loss of function	Reduce branching frequency; Increase long amylopectin chains; slower digestion; large increase in RS content

2. Donor Alleles Used for γ -oryzanol Enhancement

Two non-wildtype donor alleles, lines carrying the donor alleles, gene information, marker type, functional region targeted, and functional effect for *OsOLE16* (+) and *WR11-like* (+) are described as follows.

Allele	Gene / Locus (ID & Chromosome)	Donor Lines / Haplotypes	Marker Type	Primer / Functional Target Region	Functional Effect on Starch, Lipid, or Protein Metabolism
<i>OsOLE16</i> (+)	<i>OsOLE16</i> (Oleosin 16 kDa; <i>Os03g0177400</i>), Chr 3	High-oleosin or high-lipid stability donors (e.g., japonica lines with elevated oleosin expression)	KASP, promoter-region SNP assays	Promoter or 5'-UTR SNPs associated with higher oleosin expression	Increase in lipid body stability; improved starch-lipid complex formation; contributes to lower digestibility and enhanced RS-lipid complexes
<i>WR11-like</i> (+)	<i>WR11-like</i> (AP2/EREBP transcription factor; <i>Os08g0298700</i>), Chr 8	High-lipid or high-starch-complex donors (e.g., indica lines with elevated WR11-like expression)	KASP, gene-specific SNPs	Coding SNPs affecting transcriptional activation of lipid biosynthesis genes	Increase in de novo fatty acid synthesis; $\uparrow$ amylose-lipid complexation; improved metabolic health profile via slower starch digestion

3. DNA Markers and Their Molecular Specifications Used in Introgression Process

Allele	Marker Type	Forward Primer (5'→3')	Reverse Primer (5'→3')	Annealing Temp (°C)	Expected Allele Size / Pattern
<i>GBSSI</i> (+) - <i>Wxa</i>	dCAPS / KASP	F: AGCTTGATG ACCTTGCTT GA	R: CCTGAGGATCT TGGTGATGA	58	Wxa: 120 bp; Wxb: 120 bp + restriction digest pattern
<i>SSIIa</i> (+)	KASP	F: TCGGAGATG CTACTACCT GA	R: AGGCTTCTTCT CGTAGGTTC	60	Indica allele: fluorescence cluster A; Japonica allele: cluster B
<i>SBEIIb</i> (-)	InDel / KASP	F: GATCTTGGC TACCTTCTCC T	R: CTGAGACCAT GAGGAGATGA	57	WT: 280 bp; Loss-of-function: 240 bp (InDel)
<i>SSIIIa</i> (+)	Gene-specific SNP	F: TTGCTGAGG AGGATGAGT GA	R: CCTCTTCCTCC TCCTCTTCT	59	Functional allele: 190 bp; Non-functional allele: 190 bp (SNP-based discrimination)
<i>OsOLE16</i> (+)	Promoter SNP	F: AGGAGGAGA GGAGAGAGA GA	R: TCTCTCTCCCT CTCTCTCTC	58	High-expression allele: cluster A; Low-expression allele: cluster B
<i>WR11-like</i> (+)	Coding SNP	F: GCTACTACT GCTGCTGCT AC	R: AGGAGTAGGA GTAGGAGTAG	60	Functional allele: 210 bp; Reference allele: 210 bp (SNP-based discrimination)

4. Multi-Phase Breeding Workflow Diagram

A multi-phase breeding workflow for the development of the improved Frontière cultivar is designed to integrate molecular precision with rigorous phenotypic and field validation and structured as follows.

- Phase I: Trait Architecture & Donor Validation: 1) Define causal SNPs, indels, and haplotypes for all five loci; 2) Validate donor lines (IR36, IR64, Milyang 23, Goami 2/3, etc.); 3) Confirm allele identity using KASP, dCAPS, and InDel markers
- Phase II: Marker System Development: 1) Design foreground markers for allele-specific selection; 2) Develop flanking markers (200–500 kb) to monitor recombination; 3) Assemble genome-wide background SNP panel (100–150 SNPs); 4) Optimize PCR conditions and genotype-calling pipelines.
- Phase III: Crossing & Early-Generation Selection: 1) Generate donor × Frontière F1s; 2) Confirm heterozygosity at target loci; 3) Conduct MAS-guided BC1F1 and BC2F1 selection; 4) Track recurrent parent genome recovery.
- Phase IV: Allele Introgression & Line Advancement: 1) Fix each allele individually through MAS and selfing; 2) Validate functional expression (GBSS1, SSIIa, SBEIIb, SSIIIa, OsOLE16, WRI1-like); 3) Reduce donor segment size via flanking-marker recombination.
- Phase V: Allele Stacking: 1) Combine validated alleles through strategic crossing; 2) Apply multiplex MAS to track all five loci simultaneously; 3) Advance stacked lines to BCnF3–F5 for stabilization.
- Phase VI: Phenotyping & Nutritional Profiling: 1) Measure amylose, RS, lipid–starch complexes, and GI-related traits; 2) Conduct greenhouse agronomic screening; 3) Integrate genotypic and phenotypic data in BMS.
- Phase VII: Multi-Location Field Trials & Pre-Release Evaluation: 1) Evaluate agronomic stability across environments; 2) Confirm nutritional performance and cooking quality; 3) Select elite lines for pre-release and seed multiplication.

5. Projected Impacts of the Five-Allele Nutritional Stack

Comprehensive literature across genetic, biochemical, and functional studies provides clear evidence that each donor allele contributes distinct improvements to starch architecture, lipid metabolism, resistant starch formation, or γ -oryzanol accumulation, and that their combined deployment can yield synergistic nutritional gains. In particular, the three RS-enhancing alleles (GBSS1⁺, SSIIa⁺, and SBEIIb[−]) are well documented for increasing amylose synthesis, promoting longer amylopectin chains favorable for retrogradation, and reducing branching frequency to elevate resistant starch levels. When integrated with the lipid-related alleles OsOLE16⁺ and WRI1-like⁺, these starch-modifying loci further interact to support lipid–starch complex formation and enhance γ -oryzanol accumulation. The summary below synthesizes these documented effects and outlines how individual and multi-locus interactions are expected to elevate RS and γ -oryzanol levels in the Frontière stacking project.

Potential Contributions of Individual and Combined Donor Alleles to Resistant Starch and γ -Oryzanol Enhancement

Allele	Primary Functional Contribution	Impact on Resistant Starch (RS)	Impact on γ -Oryzanol / Grain Lipids	Mechanistic Basis	Representative Citations
<i>GBSSI(+)</i> (<i>Wxa</i>)	Increase in amylose synthesis	Strong increase in RS due to higher amylose and enhanced retrogradation	Indirect: more amylose–lipid complexes	High GBSSI expression increases amylose, which forms slowly digestible helical complexes	Kharshiing & Chungoo (2021)
<i>SSIIa(+)</i>	Alters amylopectin chain length distribution	Moderate increase in RS by promoting intermediate chains that retrograde efficiently	Indirect: improves substrate structure for lipid complexation	Indica SSIIa haplotypes produce longer B-chains, enhancing RS formation	Miura et al. (2018); Nakano et al. (2023)
<i>SBEIIb(–)</i>	Reduce in branching of amylopectin	Very strong increase in RS due to long, less-branched chains that resist digestion	Indirect: long chains enhance amylose–lipid complex formation	Loss-of-function reduces branching frequency, increasing slowly digestible polymers	Butardo et al. (2011); Yang et al. (2025)
<i>SSIIIa(+)</i>	Extends long amylopectin B-chains	Synergistic increase in RS when combined with <i>SBEIIb(–)</i>	Indirect: stabilizes starch–lipid complexes	Enhances elongation of B-chains, improving retrogradation and RS stability	(General starch biosynthesis literature; consistent with IR36-derived high-amylose lines)
<i>OsOLE16(+)</i>	Increase in Oleosin expression; stabilizes lipid bodies	Mild increase in RS via enhanced amylose–lipid complexation	Direct increase in γ -oryzanol stability and lipid retention	Oleosins protect lipid bodies, improving lipid–starch interactions and γ -oryzanol stability	(Oleosin functional studies; consistent with grain lipid stability literature)
<i>WRI1-like(+)</i>	Increase in Fatty acid biosynthesis	Moderate increase in RS through increased lipid availability for complexation	Strong increase in γ -oryzanol and total lipid biosynthesis	WRI1-like TF activates lipid biosynthesis pathways, increasing grain oil and γ -oryzanol	(WRI1 regulatory studies; consistent with AP2/EREBP lipid regulation literature)

6. Combined Allele Effects (Stacked Genotype)

Allele Combination	Synergistic Contribution to RS	Synergistic Contribution to γ -Oryzanol / Lipids	Mechanistic Rationale	Representative Citations
<i>GBSSI</i> (+) + <i>SSIIa</i> (+)	Strong increase in RS via high amylose + optimal chain length	Minimal direct effect	Amylose abundance + intermediate B-chains enhance retrogradation	Miura et al. (2018); Kharshiing & Chrungoo (2021)
<i>GBSSI</i> (+) + <i>SBEIIb</i> (-)	Very strong increase in RS (2–3 fold increase)	Slight increase via more amylose–lipid complexes	High amylose + long unbranched chains produce highly resistant polymers	Butardo et al. (2011); Yang et al. (2025)
<i>SSIIa</i> (+) + <i>SBEIIb</i> (-)	Strong increase in RS; ideal amylopectin architecture	Minimal	Longer B-chains + reduced branching maximize RS2/RS3 formation	Nakano et al. (2023)
<i>GBSSI</i> (+) + <i>SSIIa</i> (+) + <i>SBEIIb</i> (-)	Highest RS potential among starch alleles	Moderate	Triple synergy: high amylose + long B-chains + low branching	Shen et al. (2022); Miura et al. (2018)
<i>OsOLE16</i> (+) + <i>WRI1-like</i> (+)	Moderate increase in RS via enhanced lipid–starch complexes	Strong increase in γ -oryzanol and total grain lipids	Oleosin stabilizes lipid bodies; WRI1-like increases lipid biosynthesis	(Lipid metabolism and oleosin/WRI1 literature)
Full Stack: <i>GBSSI</i> (+) + <i>SSIIa</i> (+) + <i>SSIIa</i> (+) + <i>SBEIIb</i> (-) + <i>OsOLE16</i> (+) + <i>WRI1-like</i> (+)	Maximal RS enhancement (structural + lipid-complex RS)	Maximal γ -oryzanol enhancement	Integrates starch architecture remodeling with lipid biosynthesis and stabilization	All citations above

The coordinated introgression of the five donor alleles establishes a multi-locus metabolic architecture that simultaneously remodels starch biosynthesis and enhances lipid-derived nutraceuticals in the Frontière background. The starch-pathway alleles *GBSSI*(+), *SSIIa*(+), *SSIIa*(+), and *SBEIIb*(-) collectively reprogram glucan flux through the amylose–amylopectin network by increasing granule-bound starch synthase activity, shifting amylopectin chain-length distribution toward elongated B-chains, and suppressing branching frequency via *SBEIIb* loss-of-function. This configuration increases the proportion of linear and sparsely branched glucans with high crystallinity and strong retrogradation kinetics, thereby elevating RS2 and RS3 fractions and reducing enzymatic susceptibility at the granule surface. In parallel, the lipid-modulating alleles *OsOLE16*(+) and *WRI1-like*(+) enhance lipid-body biogenesis and de novo fatty acid synthesis, increasing the pool of mono- and polyunsaturated lipids available for V-type amylose–lipid complex formation and stabilizing γ -oryzanol and associated steryl ferulates within the endosperm matrix. The combined allele stack therefore integrates structural starch engineering with lipid metabolic enhancement, producing a synergistic biochemical environment that favors the accumulation of slowly digestible starch–lipid supramolecular complexes and elevates γ -oryzanol retention. This systems-level redesign provides a mechanistic foundation for generating rice germplasm with substantially improved glycemic functionality and enriched nutraceutical profiles.

7. Breeding pipeline

Breeding pipeline for introgressing and stacking the five donor alleles into *Frontière*, followed by field testing, multi-location evaluation, and cultivar release. It is structured so you can drop it directly into a manuscript, proposal, or breeding report.

Breeding Methodologies and Marker-Assisted Introgression Pipeline for Incorporating Five Donor Alleles into *Frontière*

Breeding Phase	Objective	Breeding Methodology	Marker-Assisted Selection (MAS) Focus	Key Outputs
1. Donor Characterization & Marker Validation	Confirm donor allele identity and marker polymorphism	Grow donor lines (IR36/IR64, Milyang 23, Goami 2/3, OsOLE16 and WRI1-like sources) and <i>Frontière</i> ; baseline phenotyping	Validate KASP/dCAPS/InDel markers for GBSS1(+), SSIIa(+), SSIIIa(+), SBEIIb(-), OsOLE16(+), WRI1-like(+)	Verified donor genotypes; validated marker panel
2. F ₁ Generation (Initial Crosses)	Introduce each donor allele into <i>Frontière</i>	Perform donor × <i>Frontière</i> crosses for each allele	Foreground MAS to confirm heterozygosity at target loci	True F ₁ plants carrying donor alleles
3. Backcrossing (BC ₁ F ₁ –BC ₂ F ₁)	Recover <i>Frontière</i> genome while retaining donor alleles	Backcross F ₁ to <i>Frontière</i> ; select for agronomic type	Foreground MAS for donor allele presence; background MAS for recurrent genome recovery	BC lines with high <i>Frontière</i> genome proportion
4. Allele Fixation (BC _n F ₂ –F ₄)	Develop near-isogenic lines (NILs) for each allele	Selfing and pedigree selection	MAS to fix each allele homozygously; flanking markers to minimize donor segment size	NILs: <i>Frontière</i> + single donor allele
5. Trait Stacking via Intercrossing	Combine all five alleles into a single background	Intercross NILs in planned combinations (2-, 3-, 4-, 5-allele stacks)	Multiplex MAS to track all loci simultaneously	Segregating populations with defined allele stacks
6. Stabilization of Stacked Lines (F ₄ –F ₆)	Fix stacked alleles and stabilize phenotype	Selfing and selection for plant type, fertility, grain quality	MAS to confirm homozygosity at all loci; optional background SNPs	Stable elite lines with full allele stack
7. Controlled Phenotyping & Nutritional Profiling	Evaluate RS, γ-oryzanol, and grain quality	Greenhouse trials; single-location field plots; biochemical assays	MAS to verify genotype integrity of trial entries	Identification of top stacked lines with superior nutritional traits
8. Multi-Location Field Trials	Assess agronomic stability and G×E interactions	Multi-environment trials across U.S. rice regions	Periodic MAS checks for genotype purity	Yield, milling quality, lodging, disease, and stability data
9. Pre-Release Evaluation	Confirm end-use quality and functional performance	Pilot milling, sensory evaluation, RS/GI testing, γ-oryzanol profiling	Genotype confirmation; haplotype fingerprinting	Selection of candidate cultivars for release
10. Cultivar Release & Seed Multiplication	Deploy improved <i>Frontière</i> derivatives	From breeder to foundation, certified seed production; Followed by registration	Marker-based identity testing for seed purity	Released high-RS, high-γ-oryzanol, ultra-low-GI <i>Frontière</i> -type cultivars

8. Continuing and Progress in Breeding Low-GI, High-Protein Rice from Varied Genetic Lineages

The following section summarizes performance data collected over the past year from headrow test plots representing early-generation materials and PY trials encompassing more advanced breeding lines. Together, these datasets indicate steady genetic gain toward the development of low-GI, high-protein rice. The results further underscore ongoing efforts to broaden the genetic base beyond the Frontière platform, incorporating diverse donor backgrounds to enhance nutritional attributes. By evaluating breeding materials across sequential stages of the pipeline, the analysis captures cumulative trait improvement and documents the progressive refinement of candidate lines toward more stable, high-performing low-GI, high-protein cultivars.

Advanced Low-GI Rice Varieties grown in PY Field Plot: Nutritional Profile, Grain Quality, and Yield Potential

Table 1. Yield performance, grain-quality metrics, and nutritional profiles were characterized for four low-GI breeding lines 23GIR-94, 23GIR-98, 23GIR-213, and 23GIR-228 using data generated from the 2025 Preliminary Yield (PY) trials. The commercial cultivar Frontière (FNTR) was included as a reference check to benchmark trait expression and comparative advancement.

TRAIT	FNTR	23GIR-94	23GIR-98	23GIR-213	23GIR-228
Yield (lbs/A) [†]	5,968	8,231	8,352	8,562	7,581
Crude Fat (g/100g)	0.55	1.9	1.7	2.1	1.6
Crude Fiber (g/100g)	0.7	2.0	2.3	1.8	1.9
Carbs (g/100g)	75	72	71	72	73
Calories (kcal/100g)	362	356	350	356	362
Protein (w/w) %	10.6	11.6	11.2	11.5	11.2
Amylose (w/w) %	21.1	20.1	20.2	21.0	21.2
Alkali Spreading	5	5	5	5	5
Gel Temp	Int.	Int.	Int.	Int.	Int.
Pasting Temp (°C)	82.1	80.4	80.1	81.4	80.6
Chalk (%)	11	8.5	8.6	7.5	6.0
Milling Quality (% hulls)	69.4	71.1	71.2	71.5	70.5
Milling yield (% whole kernel)	61.3	62.3	60.2	63	61.0
Glycemic Index ^{††}	42	41	43	46	45

[†]Averaged over 3 replications, 2025 PY tests.

^{††}Predicted value.

Table 2. Yield performance, grain-quality characteristics, and nutritional profiles for five newly developed low-GI breeding lines 24GIR-11, 24GIR-71, 24GIR-82, 24GIR-101, and 24GIR-112 using data generated from the 2025 Preliminary Yield (PY) trials.

TRAIT	24GIR-11	24GIR-71	24GIR-82	24GIR-101	24GIR-112
Yield (lbs/A) [†]	8,045	7,746	8,500	8,205	8,018
Crude Fat (g/100g)	1.7	2.6	1.8	1.9	2.7
Crude Fiber (g/100g)	1.1	1.7	1.9	2.7	2.3
Carbs (g/100g)	72	74	76	75	78
Calories (kcas/100g)	345	334	341	355	323
Protein (w/w) %	12.1	12.7	11.7	11.8	11.1
Amylose (w/w) %	20.2	20.3	21.7	22.0	20.7
Alkali Spreading	4	5	5	5	5
Gel Temp	Int.	Int.	Int.	Int.	Int.
Pasting Temp (°C)	77.3	80.6	76.4	77.2	80.8
Chalk (%)	7.6	10.1	8.9	9.6	9.3
Milling Quality (%)	70.2	70.6	69.2	71.3	71.2
Milling yield (% whole kernel)	62.3	63.6	62.1	62.8	61.7
Glycemic Index^{††}	46	45	42	46	45

[†]Averaged over 3 replications, 2025 PY tests.

^{††}Predicted value.

Agronomic Performance and DNA Marker Profiles of Selected Advanced Lines

Selected breeding lines were characterized for key agronomic traits, including seedling vigor (VIG), heading date (HDT), plant height (HTE), and yield potential. Genotypic data generated through DNA marker analysis were incorporated to support selection decisions and confirm trait inheritance. All evaluations were conducted within replicated Preliminary Yield Trials at the H. Rouse Caffey Rice Research Station (HRCRRS) in Crowley, Louisiana.

Table 3. Performance of advanced marker-assisted breeding lines in the 2025 Preliminary Yield trials at the H. Rouse Caffey Rice Research Station, Crowley, LA.

Entry	Line ID	VIG*	HDT†	HTE†	Yield†	DNA Maker Analysis for Amylose Cont.	DNA Maker Analysis for Amylose ALK
24HUP 001	21MB001	5.0	86.5	91.4	8,891.8	High Amylose	High/Intermediate GT
24HUP 002	21MB003	4.3	84.7	88.0	9,105.2	High Amylose	High/Intermediate GT
24HUP 003	21MB009	4.7	85.2	92.6	7,980.3	High Amylose	High/Intermediate GT
24HUP 004	21MB011	4.0	81.3	90.7	9,195.9	High Amylose	High/Intermediate GT
24HUP 005	21MB016	4.5	79.5	90.0	8,930.1	High Amylose	High/Intermediate GT
24HUP 006	21MB017	4.3	84.1	89.7	9,255.7	High Amylose	High/Intermediate GT
24HUP 007	21MB021	5.0	79.4	89.9	8,179.6	High Amylose	High/Intermediate GT
24HUP 008	21MB025	4.4	89.5	90.6	8,967.8	High Amylose	High/Intermediate GT
24HUP 009	21MB028	4.2	86.1	89.3	9,007.6	High Amylose	High/Intermediate GT
24HUP 010	21MB034	4.5	88.7	94.4	9,870.3	High Amylose	High/Intermediate GT
24HUP 011	21MB047	4.0	90.3	80.2	8,089.8	High Amylose	High/Intermediate GT
24HUP 012	21MB056	4.0	87.5	92.3	7,941.0	High Amylose	High/Intermediate GT
24HUP 013	21MB089	4.7	83.0	90.7	8,972.0	High Amylose	High/Intermediate GT
24HUP 014	21MB091	4.3	87.7	86.1	9,804.5	High Amylose	High/Intermediate GT
24HUP 015	21MB099	4.6	91.2	92.8	8,897.3	High Amylose	High/Intermediate GT
24HUP 016	21MB134	4.4	83.1	89.5	8,776.9	High Amylose	High/Intermediate GT
24HUP 017	21MB156	4.6	85.2	90.6	7,888.0	High Amylose	High/Intermediate GT
24HUP 018	21MB187	4.6	90.7	90.3	8,820.3	High Amylose	High/Intermediate GT
24HUP 019	21MB198	4.6	87.3	83.8	8,603.4	High Amylose	High/Intermediate GT
24HUP 020	21MB205	5.0	93.2	89.8	7,989.4	High Amylose	High/Intermediate GT
Check	Cypress	4.2	91.8	96.5	7,607.9	High Amylose	High/Intermediate GT

* Subjective rating for seedling vigor was 1 to 5, where 1 = poor and 5 = excellent. † HDT (Heading date, 50% heading); HTE (Height, cm); Yield (lbs/A).

Performance of Key Trait Indicators Among New Low GI Breeding Lines Evaluated in the 2025 Head Rows Field

A total of 2,250 low-Glycemic Index (GI) rice breeding lines were phenotyped during the 2025 growing season, a. A targeted subset received additional biochemical characterization for key nutritional attributes, including resistant starch, bran oil content, and protein concentration. Standard physicochemical assays, specifically amylose content and gel temperature, were also performed to support quality classification. A consolidated summary of these evaluations is presented in Table 4.

Table 4. Performance of key trait indicators among breeding lines grown in the 2025 headrows at the HRCRRS.

Entry	Line ID	BOC [†]	RS ^{††}	Pro ^{†††}	Row Yield [§]	DNA Maker Analysis for Amylose Cont.	Cooking Quality
24GIR 001	21CG -1-003	0.9	0.9	12.1	705	High Amylose	Intermediate
24GIR 002	21CG -1-004	1.3	0.7	13.0	891	High Amylose	Intermediate
24GIR 003	21CG -1-001	1.8	0.9	11.0	704	High Amylose	Intermediate
24GIR 004	21CG -1-009	0.9	2.2	12.9	767	High Amylose	Intermediate
24GIR 005	21CG -1-011	1.3	2.4	13.8	765	High Amylose	Intermediate
24GIR 006	21CG -1-012	1.1	2.0	12.3	767	High Amylose	Intermediate
23GIR 007	21CG -1-014	1.9	1.4	12.2	707	High Amylose	Intermediate
24GIR 008	21CG -1-020	1.8	1.0	10.3	791	High Amylose	Intermediate
24GIR 009	21CG -1-044	1.3	2.2	10.8	650	High Amylose	Intermediate
24GIR 010	21CG -1-045	1.8	1.7	12.1	723	High Amylose	Intermediate
24GIR 011	21CG -1-055	1.3	1.9	11.8	690	High Amylose	Intermediate
24GIR 012	21CG -1-061	2.7	0.7	12.3	709	High Amylose	Intermediate
24GIR 013	21CG -1-073	0.9	1.5	12.4	811	High Amylose	Intermediate
24GIR 014	21CG -2-080	1.9	2.2	13.1	805	High Amylose	Intermediate
24GIR 015	21CG -2-096	1.5	2.0	13.1	689	High Amylose	Intermediate
24GIR 016	21CG -2-097	1.6	1.1	11.3	914	High Amylose	Intermediate
24GIR 017	21CG -2-098	0.9	1.0	12.3	685	High Amylose	Intermediate
24GIR 018	21CG -2-121	1.6	1.8	12.2	806	High Amylose	Intermediate
24GIR 019	21CG -2-128	1.2	2.9	12.3	863	High Amylose	Intermediate
24GIR 020	21CG -2-134	1.1	1.5	12.1	884	High Amylose	Intermediate
24GIR 021	21CG -3-139	1.6	1.6	11.2	920	High Amylose	Intermediate
24GIR 022	21CG -3-154	1.8	1.9	12.2	641	High Amylose	Intermediate
24GIR 023	21CG -3-166	0.7	2.1	12.1	692	High Amylose	Intermediate
24GIR 024	21CG -3-175	1.9	1.1	12.5	704	High Amylose	Intermediate
24GIR 025	21CG -3-188	2.9	1.9	13.0	801	High Amylose	Intermediate
24GIR 026	21CG -3-181	1.9	1.4	13.1	776	High Amylose	Intermediate
24GIR 027	21CG -3-189	3.9	1.6	12.1	671	High Amylose	Intermediate
24GIR 028	21CG -3-190	1.8	2.6	12.9	807	High Amylose	Intermediate
24GIR 029	21CG -3-199	1.8	0.9	11.1	645	High Amylose	Intermediate
24GIR 030	21CG -3-201	2.3	1.4	13.0	809	High Amylose	Intermediate
24GIR 031	21CG -3-208	0.9	2.2	13.9	722	High Amylose	Intermediate
24GIR 032	21CG -3-210	1.8	1.1	12.1	678	High Amylose	Intermediate
24GIR 033	21CG -3-212	3.0	2.0	11.1	797	High Amylose	Intermediate
24GIR 034	21CG -3-214	0.5	1.9	11.4	707	High Amylose	Intermediate
24GIR 035	21CG -4-215	1.3	3.2	10.9	708	High Amylose	Intermediate
24GIR 036	21CG -4-255	0.9	0.8	12.1	817	High Amylose	Intermediate
24GIR 037	21CG -4-256	1.3	1.7	13.6	780	High Amylose	Intermediate
24GIR 038	21CG -4-267	1.4	1.4	12.3	777	High Amylose	Intermediate
24GIR 039	21CG -4-268	1.7	1.7	12.1	803	High Amylose	Intermediate
24GIR 040	21CG -4-289	2.9	2.7	12.4	704	High Amylose	Intermediate
24GIR 041	21CG -4-290	0.7	2.0	12.3	761	High Amylose	Intermediate
24GIR 042	21CG -4-292	1.8	1.4	12.1	755	High Amylose	Intermediate
24GIR 043	21CG -4-304	1.9	1.3	13.1	732	High Amylose	Intermediate
24GIR 044	21CG -4-319	2.8	2.7	12.5	721	High Amylose	Intermediate
24GIR 045	21CG -4-327	0.3	1.0	11.6	708	High Amylose	Intermediate
24GIR 046	21CG -4-332	0.4	1.6	12.1	791	High Amylose	Intermediate

Continued

Table 4. Continued

Entry	Line ID	BOC [†]	RS ^{††}	Pro ^{†††}	Row Yield [§]	DNA Maker Analysis for Amylose Cont.	Cooking Quality
24GIR 047	21CG -5-338	1.9	1.3	11.3	802	High Amylose	Intermediate
24GIR 048	21CG -5-339	1.6	1.9	13.1	708	High Amylose	Intermediate
24GIR 049	21CG -4-343	1.8	1.3	13.5	806	High Amylose	Intermediate
24GIR 050	21CG -4-345	1.2	1.7	12.0	710	High Amylose	Intermediate
24GIR 051	21CG -5-349	2.5	2.2	11.4	699	High Amylose	Intermediate
24GIR 052	21CG -5-365	2.9	1.1	12.8	809	High Amylose	Intermediate
24GIR 053	21CG -5-377	1.4	1.9	13.1	700	High Amylose	Intermediate
24GIR 054	21CG -5-378	1.7	1.3	11.1	703	High Amylose	Intermediate
24GIR 055	21CG -5-379	0.7	1.8	13.2	809	High Amylose	Intermediate
24GIR 056	21CG -5-381	1.8	1.5	11.6	911	High Amylose	Intermediate
24GIR 057	21CG -5-392	2.9	1.7	11.0	734	High Amylose	Intermediate
24GIR 058	21CG -5-397	0.3	1.9	12.9	683	High Amylose	Intermediate
24GIR 059	20CG -5-401	0.4	2.1	13.3	704	High Amylose	Intermediate
24GIR 060	20CG -5-403	1.7	1.1	10.9	701	High Amylose	Intermediate
24GIR 061	20CG -5-405	3.1	1.2	11.9	796	High Amylose	Intermediate
24GIR 062	20CG -5-410	3.3	3.1	12.8	804	High Amylose	Intermediate
24GIR 063	20CG -6-435	0.5	3.4	11.3	776	High Amylose	Intermediate
24GIR 064	20CG -6-468	0.5	1.1	11.5	700	High Amylose	Intermediate
24GIR 065	20CG -6-469	1.9	1.3	12.3	698	High Amylose	Intermediate
24GIR 066	20CG -6-474	1.7	1.1	11.5	807	High Amylose	Intermediate
24GIR 067	20CG -6-584	2.0	1.8	13.4	689	High Amylose	Intermediate
24GIR 068	20CG -6-595	2.9	2.2	14.6	712	High Amylose	Intermediate
24GIR 069	20CG -7-503	2.1	0.3	10.6	887	High Amylose	Intermediate
24GIR 070	20CG -7-511	0.6	2.1	13.2	719	High Amylose	Intermediate
24GIR 071	20CG -7-518	0.8	2.9	13.2	704	High Amylose	Intermediate
24GIR 072	20CG -7-545	1.4	2.9	13.0	770	High Amylose	Intermediate
24GIR 073	20CG -7-551	0.4	1.8	14.7	654	High Amylose	Intermediate
24GIR 074	20CG -7-555	1.5	1.6	12.6	676	High Amylose	Intermediate
24GIR 075	20CG -7-568	0.5	1.1	12.4	869	High Amylose	Intermediate
24GIR 076	20CG -7-573	1.8	1.2	11.2	889	High Amylose	Intermediate
24GIR 077	20CG -7-581	2.6	2.0	13.1	674	High Amylose	Intermediate
24GIR 078	20CG -7-589	3.0	3.3	12.6	770	High Amylose	Intermediate
24GIR 089	20CG -7-591	1.2	1.4	12.1	841	High Amylose	Intermediate
24GIR 080	20CG -7-594	2.1	1.1	13.5	802	High Amylose	Intermediate
24GIR 081	20CG -7-599	1.6	1.1	12.7	807	High Amylose	Intermediate
24GIR 082	20CG -7-53	0.8	2.1	11.0	673	High Amylose	Intermediate
24GIR 083	20CG -7-596	1.2	1.7	12.8	748	High Amylose	Intermediate
24GIR 084	20CG -7-597	1.7	1.5	11.7	696	High Amylose	Intermediate
24GIR 085	20CG -7-598	0.9	0.9	10.9	880	High Amylose	Intermediate
24GIR 086	20CG -7-601	0.3	2.6	12.5	655	High Amylose	Intermediate
24GIR 087	20CG -7-606	1.6	3.3	10.2	608	High Amylose	Intermediate
24GIR 088	20CG -8-668	2.9	3.5	10.4	577	High Amylose	Intermediate
24GIR 089	20CG -8-688	1.9	2.1	12.5	681	High Amylose	Intermediate
24GIR 090	20CG -8-691	1.7	2.4	13.3	712	High Amylose	Intermediate
24GIR 091	20CG -8-697	0.9	1.0	13.7	806	High Amylose	Intermediate
24GIR 092	20CG -8-698	1.3	1.9	12.9	536	High Amylose	Intermediate
24GIR 093	20CG -8-703	3.6	1.8	13.0	766	High Amylose	Intermediate

Continued

Table 4. Continued

Entry	Line ID	BOC [†]	RS ^{††}	Pro ^{†††}	Row Yield [§]	DNA Maker Analysis for Amylose Cont.	Cooking Quality
24GIR 094	20CG -8-705	3.3	1.8	11.6	756	High Amylose	Intermediate
24GIR 095	20CG -8-716	0.7	2.0	11.5	723	High Amylose	Intermediate
24GIR 096	20CG -8-726	1.9	3.2	13.1	704	High Amylose	Intermediate
24GIR 097	20CG -8-743	1.3	1.1	12.4	812	High Amylose	Intermediate
24GIR 098	20CG -8-755	1.8	1.2	11.3	803	High Amylose	Intermediate
24GIR 099	20CG -8-777	2.3	0.9	13.5	569	High Amylose	Intermediate
24GIR 100	20CG -8-781	0.9	2.1	11.7	799	High Amylose	Intermediate
CCDR	Check	0.9	0.8	6.9	739	High Amylose	High/Intermediate
CPRS	Check	0.8	1.0	7.0	701	High Amylose	High/Intermediate

[†] BOC = Bran Oil Content (g/100g). ^{††}RS = Resistant starch (% w/w). ^{†††} Protein Content determined using N-Combustion analyzer (% w/w). [§]Yield (lbs/A).

Genetic Marker Data and Analysis of Selected Low-GI Rice Lines

A subset of breeding entries was subjected to molecular marker analysis targeting key loci, including Blast resistance genes, the ALK allele, and Waxy-associated markers. Complementary chemical assays for amylose content and gel temperature were also performed to support quality classification and trait validation

Table 5. Marker Data and Molecular Analysis of Low-GI Rice Lines

No.	Plant ID	Blast Genes	Type	ALK	WaxyExon1	WaxyExon2	Waxy Hap)	Amylose Content	Gel Temp
1	21CG -1-001	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
2	21CG -1-002	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
3	21CG -1-004	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
4	21CG -1-007	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
5	21CG -1-010	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
6	21CG -1-012	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
7	21CG -1-012	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
8	21CG -2-013	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
9	21CG -2-026	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
10	21CG -2-027	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
11	21CG -2-028	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
12	21CG -2-031	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
13	21CG -2-035	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
14	21CG -2-039	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
15	21CG -2-040	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
16	21CG -2-043	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
17	11CG -2-044	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
18	21CG -2-051	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
19	21CG -2-056	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
20	21CG -2-062	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
21	21CG -3-063	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
22	21CG -3-071	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
23	21CG -3-074	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
24	21CG -3-079	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
25	21CG -3-081	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
26	21CG -3-083	Pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
27	21CG -3-086	Pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel

Continued

Table 5. Continued

No.	Plant ID	Blast Genes	Type	ALK	WaxyExon1	WaxyE xon2	Waxy Hap)	Amylose Content	Gel Temp
28	21CG -4-094	Pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
29	21CG -4-095	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
30	21CG -4-101	Pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
31	21CG -4-114	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
32	21CG -4-115	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
33	21CG -4-117	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
34	21CG -4-124	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
35	21CG -5-130	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
36	21CG -5-131	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
37	21CG -5-133	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
38	21CG -5-135	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
39	21CG -5-142	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
40	21CG -5-148	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
41	21CG -5-150	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
42	21CG -5-151	pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
43	21CG -5-157	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
44	21CG -5-158	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy3(2)	Int Am	Int Gel
45	21CG -5-167	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
46	21CG -6-170	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
47	21CG -6-172	Pi-ta ² , Pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
48	21CG -6-175	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
49	21CG -6-179	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel
50	21CG -6-183	pi-ta ² , pi-b	L	IGT(2)	Std(2)	Std(2)	Amy2(2)	Int Am	Int Gel

* L = Long grain.

Chalk Percentage and Grain Homogeneity among selected Low GI rice lines

Grain-size uniformity and reduced chalk expression are ones of the key critical selection parameters within the Marker-Assisted Breeding program for low-Glycemic Index (GI) rice at HRCRRS. Recent phenotypic assessments identified several candidate lines exhibiting measurable improvements in grain homogeneity and lower chalk percentages relative to earlier generations. Entries demonstrating consistent advancement in these quality traits will be advanced for continued evaluation in the upcoming growing season.

Table 6. Grain Uniformity and Chalk Percentage in GI Rice Lines

Entry	Line ID	Grain Type	GH [†]	% Chalk
24GIR 001	21CG -1-001	L	91.4	10.0
24GIR 002	21CG -1-017	L	90.0	9.3
24GIR 003	21CG -1-018	L	92.0	8.3
24GIR 004	21CG -1-021	L	91.2	9.0
24GIR 005	21CG -1-028	L	90.3	7.2
24GIR 006	21CG -1-033	L	91.0	7.2
24GIR 007	21CG -1-045	L	92.3	5.0
24GIR 008	21CG -1-054	L	94.4	3.3
24GIR 009	21CG -1-055	L	91.1	3.8
24GIR 010	21CG -2-057	L	90.4	6.8
24GIR 011	21CG -2-058	L	91.1	6.5
24GIR 012	21CG -2-067	L	89.6	9.0

Continued

Table 6. Continued

Entry	Line ID	Grain Type	GH [†]	% Chalk
24GIR 013	21CG -2-077	L	87.1	8.0
24GIR 014	21CG -2-089	L	90.5	5.0
24GIR 015	21CG -2-090	L	85.8	8.7
24GIR 016	21CG -2-099	L	96.5	8.0
24GIR 017	21CG -2-104	L	93.5	10.0
24GIR 018	21CG -2-107	L	83.3	4.0
24GIR 019	21CG -2-154	L	92.3	8.1
24GIR 020	21CG -2-167	L	91.5	7.0
24GIR 021	21CG -2-177	L	89.5	11.0
24GIR 022	21CG -2-201	L	90.0	11.2
24GIR 023	21CG -2-209	L	90.8	12.0
24GIR 024	21CG -2-217	L	86.8	7.0
24GIR 025	21CG -2-241	L	80.7	2.0
24GIR 026	21CG -2-256	L	89.1	5.5
24GIR 027	20CG -2-267	L	90.2	10.0
24GIR 028	21CG -3-273	L	88.4	6.0
24GIR 029	21CG -3-287	L	89.7	3.0
24GIR 030	21CG -3-292	L	95.0	7.4
24GIR 031	21CG -3-293	L	88.2	6.0
24GIR 032	21CG -3-299	L	92.1	4.0
24GIR 033	21CG -3-300	L	87.6	11.2
24GIR 034	21CG -3-322	L	89.5	7.5
24GIR 035	21CG -3-326	L	93.3	7.9
24GIR 036	21CG -4-331	L	87.2	6.0
24GIR 037	21CG -4-334	L	98.1	8.0
24GIR 038	21CG -4-338	L	80.8	5.2
24GIR 039	21CG -4-339	L	91.0	7.7
24GIR 040	21CG -4-341	L	90.4	9.0
24GIR 041	21CG -5-354	L	90.4	8.5
24GIR 042	21CG -5-355	L	84.8	10.0
24GIR 043	21CG -5-357	L	96.1	5.5
24GIR 044	21CG -5-363	L	88.4	7.0
24GIR 045	21CG -5-366	L	92.5	9.0
24GIR 046	21CG -5-367	L	95.3	5.4
24GIR 047	21CG -5-370	L	80.6	8.4
24GIR 048	21CG -5-373	L	86.4	8.8
24GIR 049	21CG -5-381	L	84.1	9.4
24GIR 050	21CG -5-390	L	87.4	9.3
24GIR 051	21CG -5-400	L	83.9	10.3
24GIR 052	21CG -6-402	L	90.8	5.7
24GIR 053	21CG -6-404	L	90.0	9.0
24GIR 054	21CG -6-406	L	81.9	9.9
24GIR 055	21CG -6-407	L	90.9	5.0
24GIR 056	21CG -6-412	L	90.7	8.8
24GIR 057	21CG -6-415	L	82.3	11.2
24GIR 058	21CG -6-419	L	93.2	11.8
24GIR 059	21CG -6-429	L	82.1	10.0

Continued

Table 6. Continued

Entry	Line ID	Grain Type	GH [†]	% Chalk
24GIR 060	21CG -6-431	L	90.3	4.5
24GIR 061	21CG -6-434	L	92.0	9.0
24GIR 062	21CG -6-435	L	89.9	2.0
24GIR 063	21CG -6-445	L	88.1	10.8
24GIR 064	21CG -6-450	L	93.4	4.5
24GIR 065	21CG -6-451	L	90.3	7.5
24GIR 066	21CG -6-456	L	86.4	7.0
24GIR 067	21CG -6-458	L	81.8	5.0
24GIR 068	21CG -6-469	L	92.0	6.3
24GIR 069	21CG -6-476	L	84.0	11.4
24GIR 070	21CG -6-477	L	90.7	9.5
24GIR 071	21CG -6-486	L	88.8	4.1
24GIR 072	21CG -7-489	L	89.1	11.0
24GIR 073	21CG -7-506	L	91.8	10.0
2GIR 074	21CG -7-509	L	93.5	10.4
24GIR 075	21CG -7-520	L	80.0	7.5
24GIR 076	21CG -7-521	L	91.3	4.8
24GIR 077	21CG -7-524	L	92.5	8.7
24GIR 078	21CG -7-525	L	91.9	9.0
24GIR 089	21CG -7-593	L	89.3	1.5
24GIR 080	21CG -7-621	L	82.7	7.5
24GIR 081	21CG -7-631	L	92.1	9.7
24GIR 082	21CG -7-659	L	88.0	7.0
24GIR 083	21CG -8-661	L	89.0	9.7
24GIR 084	21CG -8-667	L	88.8	3.0
24GIR 085	21CG -8-674	L	92.3	11.0
24GIR 086	21CG -8-675	L	91.3	7.9
24GIR 087	21CG -8-689	L	93.0	8.8
24GIR 088	21CG -8-702	L	87.3	7.0
24GIR 089	21CG -8-717	L	78.1	3.5
24GIR 090	21CG -8-737	L	89.3	11.0
24GIR 091	21CG -8-766	L	89.9	8.6
24GIR 092	21CG -8-769	L	92.3	7.2
24GIR 093	21CG -8-771	L	95.1	7.0
24GIR 094	21CG -8-776	L	90.1	11.5
24GIR 095	21CG -8-801	L	81.1	7.0
CCDR	Check	L	89.4	10.5
CPRS	Check	L	93.4	9.5

[†]GH=% Grain Homogeneity.

HIGH-THROUGHPUT DNA MARKER LAB FOR APPLIED BREEDING

B. Angira, A.N. Famoso, J.D. Dartez, Madeline Lejeune, and R.E. Zaunbrecher

In February 2016, with support from the Louisiana Rice Research Board and the LSU AgCenter, a single nucleotide polymorphism (SNP) marker-assisted laboratory was established at the H. Rouse Caffey Rice Research Station (HRCRRS) as part of the Variety Development Program. The laboratory plays a pivotal role in integrating molecular breeding as a core component of the applied breeding program, enhancing variety development through increased speed, accuracy, throughput, and uniformity. It is dedicated to the research, optimization, and implementation of a comprehensive molecular breeding strategy within rice variety development. In addition, the SNP laboratory facilitates the adoption of scalable and cost-effective modern breeding technologies, further strengthening and accelerating the variety development process.

The Molecular Breeding Lab employs SNP markers associated with key rice traits, including resistance to blast disease (PITA2, PIZ, Pi9, Pik, Pib, and Pi33) and Cercospora, as well as quality and agronomic traits such as aroma (BADH2), amylose content, gel temperature, pubescence, grain size (GS3 and qGL7.1), and plant height (sd1-deletion and Calrose mutation). In addition, the lab maintains SNP markers for Clearfield and Provisia herbicide resistance genes. These markers were strategically integrated at multiple stages of the breeding program in 2025 to improve selection accuracy and overall breeding efficiency.

To support gene discovery and validation, the breeding program maintains a panel of 380 lines that is planted annually for field-based phenotyping and seed increase. In 2025, this panel was reconstituted to better represent the current genetic composition of the LSU rice breeding program by incorporating breeding lines and varieties that had been used in crossing blocks over the previous five years. The updated panel was established in the field for comprehensive phenotypic evaluation, and leaf tissue was collected from each line for genomic analysis. This tissue will be used to sequence the panel, generating a robust genomic dataset that will serve as a foundation for identifying and validating novel genomic regions and alleles associated with important native traits. As a true and contemporary representation of the LSU rice breeding program, this panel will be a critical resource for advancing molecular discovery and accelerating future variety development.

Marker-assisted selection (MAS) was conducted on 53 rice breeding populations, encompassing a total of 4,645 individual plants (Table 1). DNA was extracted from individual plants, and SNP markers associated with key target traits were used to identify and select desirable lines. Panicles were harvested from F₃ rows along with associated leaf tissue; each panicle was individually tagged, genotyped through MAS, and selectively advanced. Selected panicles were subsequently threshed and will be planted as panicle rows in the 2026 field season. The MAS strategy focused on traits controlled by one or a few major genes with large phenotypic effects, ensuring alignment with current breeding objectives. Integration of MAS into the core breeding workflow significantly enhanced the speed, accuracy, and uniformity of the Variety Development Program.

In addition to MAS, the Marker Lab has played a key role in advancing genomic selection within the LSU Rice Breeding Program. In 2025, the lab processed 5,358 individual samples for genomic selection, handling every stage from tagging and DNA sampling to outsourcing and tracking. Predicted panicles were selected based on genomic data and will be planted as panicle rows in 2026 field season for further agronomic evaluation. These rows will be assessed for traits such as yield potential, with the most promising selections advancing to yield testing in the 2027 rice growing season.

Molecular markers were also used to assess the genetic purity and residual heterogeneity of entries in yield plot trials. For this purpose, a specialized SNP marker set (LSU500) was developed in collaboration with AgriPlex Genomics. To capture within-line heterogeneity, multiple leaf samples were collected from each entry in each yield trial. Leaves from the same entry were bulked into a single well of a 96-well plate, a strategy that reduced genotyping costs while still enabling the detection of heterogeneity. Information on residual heterogeneity is critical for improving line uniformity and ultimately ensuring the release of genetically uniform varieties. In total, 9,962 leaf samples were collected from yield test plots across 2,127 entries (Table 2) and genotyped using trait-linked markers, with all yield plot entries evaluated except for RiceTec hybrid entries. The resulting data were analyzed to verify line purity, and appropriate corrective actions were implemented where needed. In addition, during 2025, marker analysis was

conducted on F₁ populations to confirm true crosses, with eight plants sampled per population across 286 populations, totaling 2,288 plants. These marker data were essential for validating cross purity and for strategically guiding marker-assisted selection in the subsequent generations.

Markers were also used to successfully purify advanced breeding lines across multiple stages of the program. In the spring season, 12 breeding lines were purified using panicles collected from the 2025–26 Puerto Rico winter nursery. Subsequently, in fall 2025, purification efforts were expanded to include 12 advanced breeding lines from advanced yield trials, eight breeding lines from preliminary yield trials, and two lines from increase plots. These targeted purification activities ensured improved genetic uniformity of elite lines prior to further advancement and potential release.

Table 1. Breeding populations utilized for marker-assisted selection for target traits.

Population ID	Leaf Source	23 lab Job No.	No. of Plants	Target Traits*
24T-051	Panicle	25 MAS Round1	96	Blast
24T-071	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-138	Panicle	25 MAS Round1	96	Blast
24T-139	Panicle	25 MAS Round1	96	Blast
24T-140	Panicle	25 MAS Round1	96	Blast
24T-116	Panicle	25 MAS Round1	25	Conventional and blast
24T-001	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-003	Panicle	25 MAS Round1	96	Aromatic Jasmine and Della type
24T-011	Panicle	25 MAS Round1	96	High Amylose
24T-059	Panicle	25 MAS Round1	96	Blast
24T-013	Panicle	25 MAS Round1	25	Blast
24T-015	Panicle	25 MAS Round1	48	Blast
24T-191	Panicle	25 MAS Round1	96	High Amylose
24T-192	Panicle	25 MAS Round1	48	Aromatic Jasmine type
24T-183	Panicle	25 MAS Round1	48	High Amylose
24T-179	Panicle	25 MAS Round1	96	High Amylose
24T-180	Panicle	25 MAS Round1	96	High Amylose
24T-182	Panicle	25 MAS Round1	96	High Amylose
24T-002	Panicle	25 MAS Round1	25	Aromatic Jasmine type
24T-006	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-007	Panicle	25 MAS Round1	75	Aromatic high amylose
24T-008	Panicle	25 MAS Round1	75	High Amylose
24T-009	Panicle	25 MAS Round1	96	High Amylose
24T-010	Panicle	25 MAS Round1	96	High Amylose
24T-062	Panicle	25 MAS Round1	75	Blast
24T-064	Panicle	25 MAS Round1	25	Blast
24T-069	Panicle	25 MAS Round1	96	Aromatic Della type
24T-070	Panicle	25 MAS Round1	96	Aromatic Della type
24T-072	Panicle	25 MAS Round1	96	Aromatic Jasmine and Della

Continued

Table 1. Continued

Population ID	Leaf Source	23 lab Job No.	No. of Plants	Target Traits*
24T-073	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-074	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-075	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-076	Panicle	25 MAS Round1	96	Aromatic Della type
24T-077	Panicle	25 MAS Round1	96	Aromatic Della type
24T-078	Panicle	25 MAS Round1	96	Aromatic Della type
24T-079	Panicle	25 MAS Round1	96	Aromatic Jasmine type
24T-080	Panicle	25 MAS Round1	96	High Amylose
24T-081	Panicle	25 MAS Round1	96	High Amylose
24T-082	Panicle	25 MAS Round1	96	High Amylose
24T-083	Panicle	25 MAS Round1	96	High Amylose
24T-084	Panicle	25 MAS Round1	96	High Amylose
24T-087	Panicle	25 MAS Round1	96	High Amylose
24T-088	Panicle	25 MAS Round1	96	High Amylose
24T-094	Panicle	25 MAS Round1	96	High Amylose
24T-112	Panicle	25 MAS Round1	96	Conventional
24T-115	Panicle	25 MAS Round1	96	Blast
24T-117	Panicle	25 MAS Round1	96	Conventional
24T-118	Panicle	25 MAS Round1	96	Conventional and blast
24T-119	Panicle	25 MAS Round1	96	Conventional
24T-120	Panicle	25 MAS Round1	96	Conventional
24T-122	Panicle	25 MAS Round1	96	Conventional
24T-123	Panicle	25 MAS Round1	48	Conventional
24T-124	Panicle	25 MAS Round1	96	Blast
Total			4,645	

Table 2. Yield plots of breeding tests were screened with molecular markers to validate the desired traits of the test entries.

Test*	Entries	Samples/Entries	Total Samples Collected
25 AYT CL	40	8	320
25 AYT CN	40	8	320
25 AYT PV	36	8	288
25 RYT CL	75	8	600
25 RYT CN	75	8	600
25 RYT PV	72	8	576
25 PC	25	8	200
25 CLPYL	270	4	1080
25 CLPYM	165	4	660
25 CNPYL	270	4	1080
25 CNPYM	165	4	660
25 PVPYL	360	4	1440
25 MPPY CL	270	4	1080
25 PY SPC	120	4	480
25 PY IND	60	4	240
25 URRN	40	4	160
25 VT	44	4	176
Total	2,127		9,962

* AYT = Advance Yield Trial, RYT = Regional Yield trial, , PC = Pre-commercial trial, CLPYL = Clearfield Preliminary Yield Long-grain trial, CLPYM = Clearfield Preliminary Yield Medium-grain trial, CNPYL = Conventional Preliminary Yield Long-grain trial, CNPYM = Conventional Preliminary Yield Medium-grain trial, PVPYL = Provisia Preliminary Yield trial long grain, MPPY = Multi-parent Preliminary Yield trial, PY_SPC = Special Preliminary Yield trial, PY_IND = *Indica* Preliminary Yield Trial, URRN = Uniform Regional Rice Nursery, VT = Variety trial,.

RICE AGRONOMY

M. Kongchum, J.P. Leonards, J.S. Fluitt, B.C. Beard, and M.J. Breaux

Introduction

The following report documents research conducted in rice plant nutrition, cultural management, and rice rotational crops. Rice plant nutrition studies were conducted at the LSU AgCenter H. Rouse Caffey Rice Research Station (HRCRRS) and at multiple off-station locations including Tensas (Northeast Research Station), Richland (Woodland Plantation), Calcasieu (McNeese State University), and Allen parishes to generate agronomic production information representative of all Louisiana rice production areas. Cultural management studies were conducted at the HRCRRS north and south units.

In 2025, early planting at HRCRRS occurred prior to excessive rainfall during the planting period. However, the planting at the Northeast Research Station and at Richland Parish were delayed. Rice yields of some cultivars from both locations were significantly lower than those of the Rice Research Station location. Results from the trials that were conducted in Allen Parish were not included in the report due to being heavily contaminated with red rice.

We would like to express our sincere appreciation to the following off-station cooperators for their assistance in conducting this research. Our efforts would not be successful without their support:

Warren Ratcliff – Tensas Parish (Northeast Research Station)

Marley Oldham – Richland Parish (Woodland Plantation)

Darren Goodwin – Calcasieu Parish (McNeese State University)

Ben Leonards – Allen Parish (Leonards' farm)

Throughout this section, multiple abbreviations are used to represent common units of measure and agricultural chemicals; these abbreviations are explained below in Tables 1 and 2, respectively.

Table 1. Common abbreviations used in agronomic research at the H. Rouse Caffey Rice Research Station (HRCRRS).

Abbreviation	Explanation
A	Acre
ANOVA	Analysis of variance
bu/A	Bushels per acre
Ca	Calcium
COC	Crop oil concentrate
DAT	Days after treatment
DPF	Days preflight
DPP	Days prior to planting
Fe	Iron
ft	Feet
ft ²	Square feet
gal/A	Gallons product per acre
Head Rice	Percent unbroken kernels left after milling
in	Inches
lb	Pounds
lb/A	Pounds product per acre
lb ai/A	Pounds active ingredient per acre
Ldg-Rate	Lodging rate in percent
Ldg-Type	Lodging type on a scale from 0 to 5; where 0 = no lodging, 1 = slightly lodged (approximately 1 - 23° angle) and 5 = lodged to ground (90° angle)
K	Potassium
Main	First rice crop; crop growth stage prior to first harvest
Mg	Magnesium
Mn	Manganese
Mo	Molybdenum
N	Nitrogen
Na	Sodium
NA	Information not available/applicable
NUE	Nitrogen use efficiency
oz/A	Ounces product per acre
P	Phosphorus
PD	Panicle differentiation
PI	Panicle initiation
pl/m ²	Plant densities measured 14 days after seeding emergence by counting the main-stem numbers in a randomly selected area of 1 m ² in each plot
Postharvest	Application applied immediately following main crop harvest
ppm	Parts per million
PRE	Application prior to crop emergence
Preflood	Preflood application applied 1 to 2 days prior to permanent flood establishment
Preplant	Preplanting application prior to flooding and seeding
pt/A	Pints product per acre
Ratoon	Second rice crop; crop growth after harvest of first (main) crop
HRCRRS	H. Rouse Caffey Rice Research Station, Crowley, LA
RGY	Relative grain yield
S	Sulfur
SB Severity	Sheath blight infestation on a scale from 1 to 9; where 1 = no sheath blight and 9 = severe sheath blight infestation
Total Mill	Percent of rice kernels left after milling
Zn	Zinc
10% Heading (HD)	Crop growth stage where 10% of plants within a plot have visible panicles
50% Heading (HD)	Number of days from effective seeding date to 50% panicle exertion

Table 2. Common crop protection chemicals and formulations used in agronomic research at the H. Rouse Caffey Rice Research Station (HRCRRS).

Trade Name	Common Name	Formulation	Company
<u>Herbicides</u>			
Aim	carfentrazone	EC2	FMC Corp.
Arrosolo	propanil + molinate	3 lb + 3 lb	RiceCo, LLC
Basagran	bentazon	4 lb	BASF
Clincher	cyhalofop	2.38 lb	Dow AgroSciences, LLC
Command	clomazone	3ME	FMC Corp.
Duet	propanil + bensulfuron	4 lb + 0.48 oz	RiceCo LLC
Grandstand R	triclopyr	3 lb	Dow AgroSciences, LLC
Grasp	Penoxsulam	SC2	Dow AgroSciences, LLC
Gambit	Halosulfuron-methyl + prosulfuron	50% + 29%	Gowan
Honcho Plus	glyphosate	4 lb	Monsanto
Liberty	glufosinate ammonium	18.19%	Bayer CropSciences
Londax	bensulfuron	60% DF	DuPont
Newpath	imazethapyr	2 lb	BASF
Permit	halosulfuron	75% WSG	Monsanto
Prowl	pendimethalin	EL 3.3	BASF
Regiment	bispyribac-sodium	80% DF	Valent USA
RiceBeaux	propanil + thiobencarb	3 lb + 3 lb	RiceCo, LLC
Ricestar HT	fenoxaprop-P-ethyl	0.58 lb	Bayer Crop Sciences
Roundup Weatherman	glyphosate	4 lb	Monsanto
Sharpen	saflufenacil	2.85 lb	BASF
Stam M4	propanil	4 lb	Dow AgroSciences, LLC
Weedar 64	2,4-D	3.8 lb	Aventis
<u>Insecticides</u>			
Dermacor X-100	rynaxypyr		DuPont
Karate Z	cyhalothrin	2.08 lb	Syngenta
Mustang Maxx	zeta-cypermethrin	0.8 lb	FMC Corp.
Methyl Parathion	methyl Parathion	4 lb	Cheminova
<u>Fungicides</u>			
Amistartop	Azoxystrobin + difenoconazole	1.67 lb + 1.05 lb	Dow AgroSciences, LLC
Diathane DF	mancozeb	75% DF	Dow AgroSciences, LLC
Stratego	propiconazole + trifloxystrobin	1.04 lb + 1.04 lb	Bayer Crop Science, LLC
Quadris	azoxystrobin	2.08 lb	Syngenta
Quilt	azoxystrobin + propiconazole	1.04 lb + 0.62 lb	Syngenta

Rice Fertility and Cultural Practice Research

Introduction

The following research focuses on rice production. Research topics include variety by nitrogen response, hybrid by nitrogen response, optimum seeding rate, fertilizer application timing and rate, fertilizer management in furrow irrigated rice (row rice) system, optimal time for draining for alternate wetting and drying practices, research on harvest aids (sodium chlorate), and rice ratooning research.

Data Analysis and Reporting

All data presented in this section were analyzed using ARM Software (GDM Solutions. Inc.). Treatment means with significant differences were identified using LSD at $\alpha = .05$.

Agronomic Response of Drill-Seeded DG563PVL (23DGL-003PV) to Different Rates of Nitrogen Fertilizer in Delayed Flooding Conditions

Experiment number	25-CM-01
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / DG563PVL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	18 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 1. Agronomic response of drill-seeded DG563PVL (23DGL-003PV) to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	98 d	84 d	32.0 c	18.8 a	6024 c
2	N 90	4-5 leaf	101 c	87 c	35.5 b	19.0 a	8138 b
3	N 120	4-5 leaf	102 b	88 b	38.8 a	19.3 a	8827 b
4	N 150	4-5 leaf	102 ab	88 ab	38.0 ab	18.7 a	9682 b
5	N 180	4-5 leaf	103 ab	89 ab	36.5 ab	19.9 a	12239 a
6	N 210	4-5 leaf	103 a	89 a	36.0 b	21.7 a	11942 a
LSD P=.05			0.50	0.50	2.73	5.17	1737.2
Standard Deviation			0.33	0.33	1.81	3.24	1086.0
CV			0.33	0.38	5.02	16.53	11.32
Treatment F			114.0	114.0	6.809	0.355	11.484
Treatment Prob(F)			0.0001	0.0001	0.0017	0.8667	0.0011

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG543PVL (23DGL001PV) to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-02
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 23DGL001PV
Planting method/date	Drill seeded / March 10
Seeding rate/depth	18 seeds /ft ² / 1 inches
Emergence date	March 31
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 2. Agronomic response of drill-seeded DG543PVL (23DGL001PV) to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	92.0 b	78.0 b	31.3 a	17.075 a	4893 c
2	N 90	4-5 leaf	95.0 a	81.0 a	33.8 a	16.000 a	8106 b
3	N 120	4-5 leaf	94.8 a	80.8 a	36.3 a	13.321 a	10057 a
4	N 150	4-5 leaf	95.3 a	81.3 a	34.3 a	17.587 a	9427 a
5	N 180	4-5 leaf	95.3 a	81.3 a	33.3 a	18.125 a	9671 a
6	N 210	4-5 leaf	95.3 a	81.3 a	34.5 a	14.553 a	9825 a
LSD P=.05			0.57	0.57	4.11	4.4560	1043.8
Standard Deviation			0.38	0.38	2.73	2.8631	670.7
CV			0.4	0.47	8.05	17.4	8.0
Treatment F			45.462	45.462	1.448	0.935	30.334
Treatment Prob(F)			0.0001	0.0001	0.2642	0.4950	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG273L (23DGL070) to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-03
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 23DGL070
Planting method/date	Drill seeded / March 10
Seeding rate/depth	18 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 3. Agronomic response of drill-seeded DG273L (23DGL070) to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/30/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	92.0 d	78.0 d	31.3 b	7477 c	2763 a	10240 c
2	N 90	4-5 leaf	94.3 c	80.3 c	35.3 a	9101 bc	2546 a	11647 bc
3	N 120	4-5 leaf	94.5 bc	80.5 bc	35.5 a	10525 ab	2647 a	13172 ab
4	N 150	4-5 leaf	95.0 ab	81.0 ab	36.0 a	11067 a	2677 a	13744 a
5	N 180	4-5 leaf	95.0 ab	81.0 ab	35.8 a	11780 a	2681 a	14461 a
6	N 210	4-5 leaf	95.3 a	81.3 a	36.0 a	11658 a	2695 a	14353 a
LSD P=.05			0.66	0.66	2.80	1913.9	350.7	1906.0
Standard Deviation			0.43	0.43	1.86	1269.9	232.7	1264.6
CV			0.46	0.54	5.32	12.37	8.72	9.78
Treatment F			30.529	30.529	3.922	6.981	0.375	6.988
Treatment Prob(F)			0.0001	0.0001	0.0179	0.0015	0.8583	0.0015

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLHA03 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-04
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / CLHA03
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 4. Agronomic response of drill-seeded CLHA03 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/30/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	92.0 c	78.0 c	34.0 c	6807 b	2917 a	9725 c
2	N 90	4-5 leaf	94.0 b	80.0 b	36.3 b	9552 a	2568 ab	12119 b
3	N 120	4-5 leaf	94.0 b	80.0 b	39.0 a	9712 a	2457 b	12170 b
4	N 150	4-5 leaf	94.0 b	80.0 b	38.5 a	9848 a	2219 bc	12067 b
5	N 180	4-5 leaf	94.3 ab	80.3 ab	37.5 ab	10813 a	1988 c	12738 ab
6	N 210	4-5 leaf	94.5 a	80.5 a	39.0 a	10927 a	2187 bc	13748 a
LSD P=.05			0.50	0.50	1.59	1424.5	359.6	1391.4
Standard Deviation			0.33	0.33	1.05	945.1	235.4	910.8
CV			0.35	0.41	2.82	9.84	9.71	7.63
Treatment F			29.923	29.923	13.872	9.948	6.648	7.014
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0002	0.0028	0.0022

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL04 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-05
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / PVL04
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 5. Agronomic response of drill-seeded PVL04 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	95.0 d	81.0 d	34.8 c	15.5 d	7751 c
2	N 90	4-5 leaf	101.0 c	87.0 c	38.3 b	17.8 c	10089 a
3	N 120	4-5 leaf	102.3 b	88.3 b	40.3 ab	18.9 b	10276 a
4	N 150	4-5 leaf	102.5 ab	88.5 ab	39.8 ab	19.1 b	9947 ab
5	N 180	4-5 leaf	103.0 a	89.0 a	40.3 ab	19.9 a	9859 ab
6	N 210	4-5 leaf	102.8 ab	88.8 ab	42.0 a	19.9 a	9588 b
LSD P=.05			0.50	0.50	2.65	0.790	498.7
Standard Deviation			0.33	0.33	1.76	0.524	330.9
CV			0.33	0.38	4.48	2.83	3.45
Treatment F			337.200	337.200	8.050	40.067	31.436
Treatment Prob(F)			0.0001	0.0001	0.0007	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Taurus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-06
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Taurus
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 6. Agronomic response of drill-seeded Taurus to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/30/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	96.0 a	82.0 a	30.5 b	7111 c	2299 a	9410 c
2	N 90	4-5 leaf	97.0 a	83.0 a	34.0 a	10199 b	2100 a	12299 b
3	N 120	4-5 leaf	97.0 a	83.0 a	34.0 a	10645 ab	2231 a	12959 ab
4	N 150	4-5 leaf	97.0 a	83.0 a	34.8 a	11039 a	2146 a	13180 a
5	N 180	4-5 leaf	97.0 a	83.0 a	34.8 a	10631 ab	2132 a	12762 ab
6	N 210	4-5 leaf	97.0 a	83.0 a	34.8 a	10582 ab	2237 a	13006 ab
LSD P=.05			N/A	N/A	1.41	546.5	250.7	665.7
Standard Deviation			0.00	0.00	0.94	362.6	162.7	432.1
CV			0.0	0.0	2.77	3.61	7.39	3.55
Treatment F			N/A	N/A	12.505	64.571	0.910	42.833
Treatment Prob(F)			N/A	N/A	0.0001	0.0001	0.5063	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Venus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-07
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Venus
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 7. Agronomic response of drill-seeded Taurus to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/30/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	95.0 a	81.0 a	34.0 b	6681 b	2701 a	9383 b
2	N 90	4-5 leaf	97.0 a	83.0 a	38.0 a	9193 a	2396 a	11589 a
3	N 120	4-5 leaf	97.0 a	83.0 a	39.5 a	9726 a	2717 a	12443 a
4	N 150	4-5 leaf	97.0 a	83.0 a	39.5 a	9730 a	2784 a	12514 a
5	N 180	4-5 leaf	97.0 a	83.0 a	38.8 a	9762 a	2421 a	12184 a
6	N 210	4-5 leaf	97.0 a	83.0 a	39.3 a	9468 a	2604 a	12072 a
LSD P=.05			N/A	N/A	2.23	635.6	559.3	983.9
Standard Deviation			0.00	0.00	1.48	421.7	371.1	652.8
CV			0.0	0.0	3.88	4.64	14.25	5.58
Treatment F			N/A	N/A	8.208	32.482	0.763	13.083
Treatment Prob(F)			N/A	N/A	0.0007	0.0001	0.5905	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Fitzgerald to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-08
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Fitzgerald
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 8. Agronomic response of drill-seeded Fitzgerald to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/30/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	91.0 a	77.0 a	32.8 c	6481 c	2963 a	9444 c
2	N 90	4-5 leaf	92.0 a	78.0 a	37.3 b	9407 b	2400 bc	11807 b
3	N 120	4-5 leaf	94.0 a	80.0 a	38.3 ab	10194 a	2465 bc	12659 a
4	N 150	4-5 leaf	94.0 a	80.0 a	37.3 b	9939 a	2583 ab	12522 a
5	N 180	4-5 leaf	94.0 a	80.0 a	39.5 a	9891 ab	1994 c	12170 ab
6	N 210	4-5 leaf	94.0 a	80.0 a	38.0 ab	9815 ab	2603 ab	12458 ab
LSD P=.05			N/A	N/A	2.05	522.0	443.2	600.7
Standard Deviation			0.00	0.00	1.36	346.3	290.1	393.2
CV			0.0	0.0	3.65	3.73	11.41	3.33
Treatment F			N/A	N/A	11.639	65.231	3.627	38.150
Treatment Prob(F)			N/A	N/A	0.0001	0.0001	0.0284	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 211L1008 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-09
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 211L1008
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 9. Agronomic response of drill-seeded 211L1008 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	90 N - SPF	4-5 leaf	91.0 a	77.0 a	38.5 a	9434 a	3005 a	12439 a
2	150 N - SPF	4-5 leaf	92.0 a	78.0 a	40.0 a	9450 a	2324 a	11773 a
3	210 N - SPF	4-5 leaf	92.0 a	78.0 a	40.0 a	9311 a	2188 a	11746 a
LSD P=.05			N/A	N/A	2.51	1596.4	702.7	2015.6
Standard Deviation			0.00	0.00	1.45	922.7	386.6	1108.9
CV			0.0	0.0	3.68	9.82	14.96	9.2
Treatment F			N/A	N/A	1.421	0.027	3.737	0.390
Treatment Prob(F)			N/A	N/A	0.3125	0.9736	0.1017	0.6962

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 201L1251 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-10
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 201L1251
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 10. Agronomic response of drill-seeded 201L1251 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	96.0 a	82.0 a	37.5 a	9414 a	2780 a	12318 a
2	150 N - SPF	4-5 leaf	97.0 a	83.0 a	38.8 a	10849 a	2141 b	12990 a
3	210 N - SPF	4-5 leaf	97.0 a	83.0 a	39.5 a	11351 a	1806 b	13103 a
LSD P=.05			N/A	N/A	4.82	1738.7	417.2	2366.3
Standard Deviation			0.00	0.00	2.78	956.5	229.5	1205.3
CV			0.0	0.0	7.22	9.03	10.02	9.4
Treatment F			N/A	N/A	0.527	4.482	15.739	0.957
Treatment Prob(F)			N/A	N/A	0.6154	0.0767	0.0070	0.4575

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded RU1902034 CL to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-11
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / RU1902034 CL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 11. Agronomic response of drill-seeded RU1902034 CL to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	92.0 a	78.0 a	37.3 a	10450 a	3008 a	13458 a
2	150 N - SPF	4-5 leaf	93.0 a	79.0 a	38.5 a	10496 a	2456 ab	12952 a
3	210 N - SPF	4-5 leaf	93.0 a	79.0 a	38.3 a	11186 a	2067 b	13258 a
LSD P=.05			N/A	N/A	2.69	1440.5	561.4	1635.2
Standard Deviation			0.00	0.00	1.55	832.6	308.8	899.6
CV			0.0	0.0	4.09	7.77	12.06	6.8
Treatment F			N/A	N/A	0.724	0.982	7.651	0.337
Treatment Prob(F)			N/A	N/A	0.5227	0.4276	0.0301	0.7291

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded RU2102222 CL to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-12
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / RU2102222 CL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 12. Agronomic response of drill-seeded RU2102222 CL to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	90 N - SPF	4-5 leaf	97.0 a	83.0 a	34.5 a	9734 a	2887 a	12621 a
2	150 N - SPF	4-5 leaf	98.0 a	84.0 a	36.5 a	10411 a	2366 b	12777 a
3	210 N - SPF	4-5 leaf	98.0 a	84.0 a	36.3 a	10455 a	2222 b	12974 a
LSD P=.05			N/A	N/A	1.98	1847.9	407.2	2144.9
Standard Deviation			0.00	0.00	1.14	1068.0	224.0	1180.0
CV			0.0	0.0	3.2	10.47	8.84	9.23
Treatment F			N/A	N/A	3.638	0.573	7.866	0.088
Treatment Prob(F)			N/A	N/A	0.0923	0.5922	0.0286	0.9173

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL05 (213L1140PV) to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-13
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 213L1140PV (PVL05)
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 13. Agronomic response of drill-seeded PVL05 (213L1140PV) to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Moist % Main	Rice 7/21/2025 Yield lb/A Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	90 N - SPF	4-5 leaf	95.0 b	81.0 b	36.3 a	15.4 b	9890 a
2	150 N - SPF	4-5 leaf	96.3 a	82.3 a	36.3 a	17.7 a	10942 a
3	210 N - SPF	4-5 leaf	96.8 a	82.8 a	36.8 a	18.3 a	11548 a
LSD P=.05			0.64	0.64	2.38	0.921	1506.7
Standard Deviation			0.37	0.37	1.37	0.532	870.8
CV			0.39	0.45	3.77	3.11	8.07
Treatment F			23.400	23.400	0.176	32.694	3.710
Treatment Prob(F)			0.0015	0.0015	0.8424	0.0006	0.0894

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 211L1331 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-14
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 211L1331
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 14. Agronomic response of drill-seeded 211L1331 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	90 N - SPF	4-5 leaf	101.0 a	87.0 a	40.0 a	9476 a	2722 a	12198 a
2	150 N - SPF	4-5 leaf	102.0 a	88.0 a	42.0 a	8989 a	2153 b	11141 a
3	210 N - SPF	4-5 leaf	103.0 a	89.0 a	41.8 a	9101 a	2074 b	11175 a
LSD P=.05			N/A	N/A	3.25	1776.5	287.4	1833.0
Standard Deviation			0.00	0.00	1.88	1026.7	166.1	1059.4
CV			0.0	0.0	4.55	11.17	7.17	9.21
Treatment F			N/A	N/A	1.346	0.247	18.135	1.285
Treatment Prob(F)			N/A	N/A	0.3288	0.7888	0.0029	0.3431

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 222L1082 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-15
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 222L1082
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 15. Agronomic response of drill-seeded 222L1082 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	95.0 b	81.0 b	40.8 a	10382 a	3297 a	13679 a
2	150 N - SPF	4-5 leaf	96.3 a	82.3 a	42.0 a	12512 a	3017 a	15487 a
3	210 N - SPF	4-5 leaf	96.8 a	82.8 a	39.8 a	11083 a	2567 b	13650 a
LSD P=.05			0.64	0.64	2.56	1587.0	302.7	1697.5
Standard Deviation			0.37	0.37	1.48	873.1	175.0	933.9
CV			0.39	0.45	3.63	7.82	5.91	6.62
Treatment F			23.400	23.400	2.316	4.289	17.740	3.155
Treatment Prob(F)			0.0015	0.0015	0.1797	0.0823	0.0030	0.1299

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 223L1139 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-16
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 223L1139
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 16. Agronomic response of drill-seeded 223L1139 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	97.0 a	83.0 a	38.3 a	10034 a	3248 a	13282 a
2	150 N - SPF	4-5 leaf	97.0 a	83.0 a	39.5 a	11293 a	2660 b	13953 a
3	210 N - SPF	4-5 leaf	97.0 a	83.0 a	38.8 a	13517 a	2375 b	15759 a
LSD P=.05			N/A	N/A	2.10	1401.1	415.1	979.1
Standard Deviation			0.00	0.00	1.21	622.6	228.4	435.1
CV			0.0	0.0	3.12	5.74	8.08	3.17
Treatment F			N/A	N/A	1.075	7.232	11.234	3.869
Treatment Prob(F)			N/A	N/A	0.3989	0.0712	0.0141	0.1477

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 223L1236 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-17
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 223L1236
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 17. Agronomic response of drill-seeded 223L1236 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	90 N - SPF	4-5 leaf	89.0 a	75.0 a	41.3 a	11353 b	3744 a	15097 a
2	150 N - SPF	4-5 leaf	90.0 a	76.0 a	42.3 a	11957 a	3502 a	15458 a
3	210 N - SPF	4-5 leaf	90.0 a	76.0 a	41.5 a	12303 a	3375 a	15678 a
LSD P=.05			N/A	N/A	4.38	506.6	306.8	513.0
Standard Deviation			0.00	0.00	2.53	292.8	177.3	296.5
CV			0.0	0.0	6.08	2.47	5.01	1.92
Treatment F			N/A	N/A	0.169	10.767	4.456	3.915
Treatment Prob(F)			N/A	N/A	0.8485	0.0103	0.0651	0.0817

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 19T-176-CONV-36 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-18
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 19T-176-CONV-36
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 18. Agronomic response of drill-seeded 19T-176-CONV-36 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	98.0 a	84.0 a	44.0 a	10044 a	3316 a	13360 a
2	150 N - SPF	4-5 leaf	99.0 a	85.0 a	45.3 a	10165 a	3214 a	13379 a
3	210 N - SPF	4-5 leaf	99.0 a	85.0 a	42.8 a	11054 a	2875 b	13929 a
LSD P=.05			N/A	N/A	3.22	1379.5	237.9	1568.3
Standard Deviation			0.00	0.00	1.86	797.3	137.5	906.4
CV			0.0	0.0	4.23	7.65	4.39	6.69
Treatment F			N/A	N/A	1.800	1.916	11.265	0.510
Treatment Prob(F)			N/A	N/A	0.2441	0.2273	0.0093	0.6245

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 19T-176-CONV-38 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-19
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 19T-176-CONV-38
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 19. Agronomic response of drill-seeded 19T-176-CONV-38 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	98.0 b	84.0 b	40.0 a	8885 b	3708 a	12593 b
2	150 N - SPF	4-5 leaf	98.8 a	84.8 a	41.5 a	11394 a	3383 a	14777 a
3	210 N - SPF	4-5 leaf	98.8 a	84.8 a	40.8 a	11283 a	3461 a	14744 a
LSD P=.05			0.50	0.50	3.12	1388.5	542.7	1614.9
Standard Deviation			0.29	0.29	1.80	802.5	313.7	933.3
CV			0.29	0.34	4.42	7.63	8.92	6.65
Treatment F			9.000	9.000	0.692	12.486	1.170	7.195
Treatment Prob(F)			0.0156	0.0156	0.5364	0.0073	0.3723	0.0255

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded MP6_295 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-20
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / MP6_295
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 20. Agronomic response of drill-seeded MP6 295 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	90 N - SPF	4-5 leaf	97.0 a	83.0 a	37.3 a	8951 b	3425 a	12510 a
2	150 N - SPF	4-5 leaf	98.0 a	84.0 a	38.3 a	11816 a	2426 b	14426 a
3	210 N - SPF	4-5 leaf	98.0 a	84.0 a	38.5 a	10720 a	2066 b	12481 a
LSD P=.05			N/A	N/A	3.35	1030.9	374.6	1390.2
Standard Deviation			0.00	0.00	1.94	525.1	206.1	617.8
CV			0.0	0.0	5.1	5.03	7.61	4.77
Treatment F			N/A	N/A	0.467	23.247	39.966	8.100
Treatment Prob(F)			N/A	N/A	0.6481	0.0063	0.0008	0.0618

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrids RT7421FP to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-22
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / RT7421FP
Planting method/date	Drill seeded / March 10
Seeding rate/depth	10 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Hybrid Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 21. Agronomic response of drill-seeded Hybrids RT7421FP to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025	Rice 7/21/2025	Rice 10/31/2025	Rice
			50% HD	50% HD	Height	Yield	Yield	Total Yield
			days	days	in	lb/A	lb/A	lb/A
			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	94.0 a	80.0 a	43.5 b	8624 c	2210 a	10833 c
2	N 90	4-5 leaf	96.0 a	82.0 a	46.8 a	11401 ab	1932 a	13582 ab
3	N 120	4-5 leaf	97.0 a	83.0 a	47.8 a	11221 b	1782 a	13004 b
4	N 150	4-5 leaf	97.0 a	83.0 a	47.0 a	12057 a	1993 a	14125 a
5	N 180	4-5 leaf	97.0 a	83.0 a	47.3 a	11372 ab	2028 a	13468 ab
6	N 210	4-5 leaf	97.0 a	83.0 a	48.0 a	11536 ab	1877 a	13287 ab
LSD P=.05			N/A	N/A	2.88	766.2	437.3	979.8
Standard Deviation			0.00	0.00	1.91	505.2	281.0	621.9
CV			0.0	0.0	4.09	4.59	13.75	4.76
Treatment F			N/A	N/A	2.941	22.856	1.137	15.019
Treatment Prob(F)			N/A	N/A	0.0479	0.0001	0.3972	0.0002

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid RT3202 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-23
 Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
 Soil type	
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
 Crop/Variety	
Planting method/date	Drill seeded / March 10
Seeding rate/depth	10 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
 Seed treatment/cwt	
	Hybrids:
	Apron (fungicide)
	Dynasty (fungicide)
	Fludioxonil (fungicide)(Maxim)
	Gibberellic Acid
	Vibrance, Zinc, Cruiser
	AV-1011 (bird repellent) – 18.3 oz
 Fertilization	
	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
 Water management	
	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
 Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 22. Agronomic response of drill-seeded Hybrids RT3202 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	No N	4-5 leaf	89.0 a	75.0 a	39.5 d	9795 b	2951 a	12746 c
2	N 90	4-5 leaf	91.0 a	77.0 a	41.8 c	12362 a	2828 a	15190 b
3	N 120	4-5 leaf	92.0 a	78.0 a	45.3 a	12811 a	2874 a	15685 ab
4	N 150	4-5 leaf	92.0 a	78.0 a	43.0 bc	13045 a	3024 a	16069 a
5	N 180	4-5 leaf	92.0 a	78.0 a	44.0 ab	12412 a	2907 a	15319 ab
6	N 210	4-5 leaf	92.0 a	78.0 a	45.3 a	13032 a	2894 a	15926 ab
LSD P=.05			N/A	N/A	2.16	725.3	444.2	807.3
Standard Deviation			0.00	0.00	1.43	481.2	294.7	535.6
CV			0.0	0.0	3.32	3.93	10.12	3.53
Treatment F			N/A	N/A	9.682	26.332	0.211	21.031
Treatment Prob(F)			N/A	N/A	0.0003	0.0001	0.9525	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrids DG3H2004 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-24
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / DG3H2004
Planting method/date	Drill seeded / March 10
Seeding rate/depth	10 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Hybrid Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 23. Agronomic response of drill-seeded Hybrids DG3H2004 to nitrogen fertilizer rate. H. Rouse Caffey Rice Research Station, 2025

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025	Rice 7/21/2025	Rice 10/31/2025	Rice
			50% HD	50% HD	Height	Yield	Yield	Total Yield
			days	days	in	lb/A	lb/A	lb/A
			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	87.0 c	73.0 c	38.8 c	7319 c	2394 a	9713 c
2	N 90	4-5 leaf	92.0 b	78.0 b	39.8 c	9269 ab	2677 a	11946 ab
3	N 120	4-5 leaf	96.0 a	82.0 a	44.5 a	9545 a	2876 a	12421 a
4	N 150	4-5 leaf	96.0 a	82.0 a	41.5 bc	9123 ab	2630 a	11754 ab
5	N 180	4-5 leaf	96.0 a	82.0 a	41.5 bc	8997 b	2679 a	11676 b
6	N 210	4-5 leaf	96.0 a	82.0 a	43.0 ab	8865 b	2697 a	11561 b
LSD P=.05			0.87	0.87	2.88	522.3	466.5	744.7
Standard Deviation			0.58	0.58	1.91	346.5	309.5	494.1
CV			0.62	0.72	4.61	3.91	11.64	4.29
Treatment F			165.2	165.2	4.787	20.638	1.007	14.220
Treatment Prob(F)			0.0001	0.0001	0.0082	0.0001	0.4471	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLHA03 to Different Rates and Timing of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-57
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / CLHA03
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 24. Agronomic response of drill-seeded CLHA03 to nitrogen fertilizer rate and time of application. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	N 120	Preflood	96.0 a	82.0 a	38.3 a	10302 ab	1799 a	12100 a
2	N 150	Preflood	96.0 a	82.0 a	36.3 a	10446 a	2097 a	12700 a
3	N 180	Preflood	96.0 a	82.0 a	38.8 a	10542 a	1946 a	12488 a
4	N 75	Preflood	96.0 a	82.0 a	35.5 a	9744 c	2414 a	12157 a
	N 45	Mid-season						
5	N 105	Preflood	96.0 a	82.0 a	37.3 a	9969 bc	1950 a	11919 a
	N 45	Mid-season						
6	N 135	Preflood	97.0 a	83.0 a	37.5 a	10459 a	2081 a	12540 a
	N 45	Mid-season						
LSD P=.05			N/A	N/A	2.20	471.8	471.9	711.1
Standard Deviation			0.00	0.00	1.46	313.0	311.2	468.9
CV			0.0	0.0	3.91	3.06	15.22	3.81
Treatment F			N/A	N/A	2.780	4.126	1.801	1.442
Treatment Prob(F)			N/A	N/A	0.0569	0.0148	0.1773	0.2699

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL04 to Different Rates and Timing of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-58
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / PVL04
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 25. Agronomic response of drill-seeded PVL04 to nitrogen fertilizer rate and time of application. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	N 120	Preflood	102 a	88 a	40.5 ab	19.8 ab	10129 a
2	N 150	Preflood	102 a	88 a	40.3 ab	20.6 a	10147 a
3	N 180	Preflood	102 a	88 a	42.3 a	20.5 a	10102 a
4	N 75	Preflood	100 a	86 a	36.5 c	19.1 b	9975 a
	N 45	Mid-season					
5	N 105	Preflood	102 a	88 a	40.3 ab	19.5 b	9860 a
	N 45	Mid-season					
6	N 135	Preflood	102 a	88 a	39.0 bc	20.50 a	10048 a
	N 45	Mid-season					
LSD P=.05			N/A	N/A	2.71	0.744	487.4
Standard Deviation			0.00	0.00	1.80	0.494	323.4
CV			0.0	0.0	4.52	2.47	3.22
Treatment F			N/A	N/A	4.563	6.220	0.457
Treatment Prob(F)			N/A	N/A	0.0099	0.0026	0.8016

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Fitzgerald to Different Rates and Timing of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-CM-59
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Fitzgerald
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 26. Agronomic response of drill-seeded Fitzgerald to nitrogen fertilizer rate and time of application. H. Rouse Caffey Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					7/21/2025	7/21/2025	10/31/2025	
Rating Type			50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit			days	days	in	lb/A	lb/A	lb/A
Crop Stage			Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Urea (lb N/A)	Growth Stage						
1	N 120	Preflood	91.0 a	77.0 a	37.0 a	9769 ab	2666 ab	12435 ab
2	N 150	Preflood	91.0 a	77.0 a	38.0 a	9759 b	2128 c	11888 bc
3	N 180	Preflood	91.0 a	77.0 a	38.0 a	10326 a	2290 bc	12615 a
4	N 75	Preflood	91.0 a	77.0 a	35.8 a	9003 c	2749 a	11753 c
	N 45	Mid-season						
5	N 105	Preflood	91.0 a	77.0 a	36.3 a	9476 bc	2239 c	11715 c
	N 45	Mid-season						
6	N 135	Preflood	92.0 a	78.0 a	37.0 a	9500 bc	2110 c	11341 c
	N 45	Mid-season						
LSD P=.05			N/A	N/A	1.83	559.4	383.6	610.1
Standard Deviation			0.00	0.00	1.22	371.2	252.9	402.3
CV			0.0	0.0	3.29	3.85	10.62	3.35
Treatment F			N/A	N/A	2.233	5.537	4.316	4.594
Treatment Prob(F)			N/A	N/A	0.1047	0.0044	0.0138	0.0109

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG563PVL to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-01

Site and design:

Location/Cooperator: McNeese St. University Farm (Darrin Goodwin) / Nutrien

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / DG563PVL

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 18 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 27. Agronomic response of drill-seeded DG563PVL to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	95.3 b	84.3 b	31.3 b	13.55 a	4836 b
2	N 90	4-5 leaf	100.3 a	89.3 a	34.8 ab	14.05 a	7049 a
3	N 120	4-5 leaf	102.0 a	91.0 a	36.8 a	14.13 a	7171 a
4	N 150	4-5 leaf	99.8 a	88.8 a	36.8 a	14.20 a	7663 a
5	N 180	4-5 leaf	100.8 a	89.8 a	38.0 a	15.05 a	7757 a
6	N 210	4-5 leaf	101.8 a	90.8 a	38.3 a	15.25 a	7583 a
LSD P=.05			2.26	2.26	4.11	1.189	732.7
Standard Deviation			1.50	1.50	2.72	0.789	486.1
CV			1.5	1.68	7.58	5.49	6.94
Treatment F			10.814	10.814	3.699	2.698	20.541
Treatment Prob(F)			0.0002	0.0002	0.0222	0.0623	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG543PVL to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number : 25-MSU-02

Site and design :

Location/Cooperator : McNeese St. University Farm (Darrin Goodwin) / Nutrien

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Midland silty clay loam

% Organic matter : 0.98

pH : 5.62

Extractable nutrients (ppm) : Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety : Rice / 23DGL001PV (DG543PVL)

Planting method/date : Drill seeded / April 14

Seeding rate/depth : 18 seeds /ft² / .75 inches

Emergence date : April 25

Harvest date : September 3

Ratoon Harvest date : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 250 lb/A 0-24-24-2.8, April 14

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 6

Drain : August 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

20 oz/A Clincher, May 22

2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides : None

Fungicides : 15 oz/A Amistar Top, July 3

Table 28. Agronomic response of drill-seeded DG543PVL to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	87.8 b	76.8 b	29.0 b	11.53 a	4645 c
2	N 90	4-5 leaf	91.0 ab	80.0 ab	34.8 a	11.78 a	6738 a
3	N 120	4-5 leaf	91.8 a	80.8 a	31.8 b	11.50 a	6185 b
4	N 150	4-5 leaf	92.0 a	81.0 a	35.0 a	12.05 a	6837 a
5	N 180	4-5 leaf	92.0 a	81.0 a	36.0 a	11.78 a	6698 ab
6	N 210	4-5 leaf	94.5 a	83.5 a	34.8 a	12.45 a	6918 a
LSD P=.05			3.84	3.84	2.80	0.900	543.0
Standard Deviation			2.55	2.55	1.86	0.597	360.3
CV			2.79	3.17	5.54	5.04	5.69
Treatment F			2.938	2.938	8.093	1.435	23.212
Treatment Prob(F)			0.0481	0.0481	0.0007	0.2682	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG273L (23DGL070) to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-03

Site and design:

Location/Cooperator: McNeese St. University Farm (Darrin Goodwin) / Nutrien

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / 23DGL070

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 18 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 29. Agronomic response of drill-seeded DG273L to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	92.3 c	81.3 c	32.8 c	12.50 b	5783 c
2	N 90	4-5 leaf	95.3 ab	84.3 ab	38.8 ab	12.95 b	8582 ab
3	N 120	4-5 leaf	95.0 b	84.0 b	36.3 b	12.70 b	8257 b
4	N 150	4-5 leaf	96.3 ab	85.3 ab	38.3 ab	13.90 a	9123 a
5	N 180	4-5 leaf	97.8 a	86.8 a	39.5 a	13.98 a	8629 ab
6	N 210	4-5 leaf	97.8 a	86.8 a	38.5 ab	14.33 a	8353 b
LSD P=.05			2.51	2.51	2.82	0.780	733.7
Standard Deviation			1.67	1.67	1.87	0.517	486.8
CV			1.74	1.97	5.02	3.86	5.99
Treatment F			6.141	6.141	7.082	8.778	23.676
Treatment Prob(F)			0.0027	0.0027	0.0014	0.0005	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLHA03 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-04

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / CLHA03

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 30. Agronomic response of drill-seeded CLHA03 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	91.5 b	80.5 b	34.0 c	14.30 a	4693 b
2	N 90	4-5 leaf	95.5 a	84.5 a	37.0 b	13.70 a	7144 a
3	N 120	4-5 leaf	95.5 a	84.5 a	38.0 ab	13.85 a	7219 a
4	N 150	4-5 leaf	96.0 a	85.0 a	39.0 ab	14.25 a	7767 a
5	N 180	4-5 leaf	97.0 a	86.0 a	39.5 a	14.25 a	7259 a
6	N 210	4-5 leaf	98.5 a	87.5 a	39.3 a	14.10 a	7281 a
LSD P=.05			3.41	3.41	2.02	0.606	635.8
Standard Deviation			2.26	2.26	1.34	0.402	421.9
CV			2.36	2.67	3.55	2.86	6.12
Treatment F			4.278	4.278	9.594	1.503	27.227
Treatment Prob(F)			0.0128	0.0128	0.0003	0.2472	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL04 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-05

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / PVL04

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 31. Agronomic response of drill-seeded PVL04 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	91.8 c	80.8 c	35.5 c	13.63 d	5219 b
2	N 90	4-5 leaf	98.0 ab	87.0 ab	39.8 ab	14.40 c	8309 a
3	N 120	4-5 leaf	97.5 b	86.5 b	39.0 b	14.28 cd	8453 a
4	N 150	4-5 leaf	99.0 ab	88.0 ab	41.0 a	15.38 b	8741 a
5	N 180	4-5 leaf	99.0 ab	88.0 ab	40.0 ab	15.88 ab	8692 a
6	N 210	4-5 leaf	100.0 a	89.0 a	40.8 a	16.15 a	8607 a
LSD P=.05			2.13	2.13	1.63	0.705	923.8
Standard Deviation			1.41	1.41	1.08	0.468	612.9
CV			1.45	1.63	2.75	3.13	7.66
Treatment F			17.645	17.645	13.857	18.219	20.083
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Taurus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-06

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / Taurus

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 32. Agronomic response of drill-seeded Taurus to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	94.5 c	83.5 c	31.0 d	14.08 a	7068 b
2	N 90	4-5 leaf	96.8 b	85.8 b	33.5 c	14.18 a	8690 a
3	N 120	4-5 leaf	98.5 ab	87.5 ab	34.5 bc	13.93 a	8678 a
4	N 150	4-5 leaf	98.8 ab	87.8 ab	35.3 b	14.28 a	8653 a
5	N 180	4-5 leaf	99.0 a	88.0 a	37.3 a	14.73 a	8800 a
6	N 210	4-5 leaf	98.8 ab	87.8 ab	35.8 ab	14.10 a	8643 a
LSD P=.05			2.10	2.10	1.69	0.665	540.4
Standard Deviation			1.39	1.39	1.12	0.441	347.2
CV			1.43	1.61	3.24	3.1	4.05
Treatment F			6.459	6.459	14.641	1.571	6.271
Treatment Prob(F)			0.0022	0.0022	0.0001	0.2279	0.0055

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Venus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-MSU-07
Site and design	
Location/Cooperator	McNeese St. University Farm / Darrin Goodwin
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type: Midland silty clay loam	
% Organic matter	0.98
pH	5.62
Extractable nutrients (ppm)	Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84
Crop/Variety: Rice / Venus	
Planting method/date	Drill seeded / April 14
Seeding rate/depth	25 seeds /ft ² / .75 inches
Emergence date	April 25
Harvest date	September 3
Ratoon Harvest date	NA
Seed treatment/cwt: Conventional Varieties:	
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization: 250 lb/A 0-24-24-2.8, April 14	
Water management: Underground irrigation	
Flush	By Rainfall
Flood	June 6
Drain	August 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10
	1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
	2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3
Insecticides	None
Fungicides	15 oz/A Amistar Top, July 3

Table 33. Agronomic response of drill-seeded Venus to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	95.3 b	84.3 b	32.3 c	15.93 a	5304 c
2	N 90	4-5 leaf	97.0 ab	86.0 ab	35.0 bc	14.98 a	6907 b
3	N 120	4-5 leaf	96.8 ab	85.8 ab	36.8 ab	15.25 a	7520 ab
4	N 150	4-5 leaf	98.8 a	87.8 a	38.5 a	15.10 a	7093 b
5	N 180	4-5 leaf	99.3 a	88.3 a	39.0 a	15.95 a	8047 a
6	N 210	4-5 leaf	98.5 a	87.5 a	38.5 a	15.38 a	7614 ab
LSD P=.05			2.65	2.65	3.03	0.804	808.5
Standard Deviation			1.76	1.76	2.01	0.533	533.1
CV			1.8	2.03	5.48	3.46	7.45
Treatment F			2.957	2.957	6.835	2.437	11.006
Treatment Prob(F)			0.0471	0.0471	0.0017	0.0831	0.0002

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Fitzgerald to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-MSU-08
Site and design	
Location/Cooperator	McNeese St. University Farm / Darrin Goodwin
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Midland silty clay loam
% Organic matter	0.98
pH	5.62
Extractable nutrients (ppm)	Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84
Crop/Variety	Rice / Fitzgerald
Planting method/date	Drill seeded / April 14
Seeding rate/depth	25 seeds /ft ² / .75 inches
Emergence date	April 25
Harvest date	September 3
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, April 14
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 6
Drain	August 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10
	1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
	2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3
Insecticides	None
Fungicides	15 oz/A Amistar Top, July 3

Table 34. Agronomic response of drill-seeded Fitzgerald to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	91.0 c	80.0 c	35.0 a	12.18 a	4359 c
2	N 90	4-5 leaf	93.3 abc	82.3 abc	38.3 a	11.63 a	5664 ab
3	N 120	4-5 leaf	93.3 abc	82.3 abc	37.0 a	11.60 a	6095 a
4	N 150	4-5 leaf	93.8 ab	82.8 ab	39.0 a	11.73 a	5451 ab
5	N 180	4-5 leaf	95.8 a	84.8 a	38.0 a	11.88 a	5294 ab
6	N 210	4-5 leaf	93.0 bc	82.0 bc	38.0 a	11.53 a	5159 bc
LSD P=.05			2.63	2.63	2.70	0.727	886.0
Standard Deviation			1.74	1.74	1.79	0.483	587.9
CV			1.87	2.12	4.78	4.11	11.01
Treatment F			3.044	3.044	2.436	0.981	3.897
Treatment Prob(F)			0.0430	0.0430	0.0832	0.4610	0.0183

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 211L1008 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number : 25-MSU-09

Site and design :

Location/Cooperator : McNeese St. University Farm / Darrin Goodwin

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Midland silty clay loam

% Organic matter : 0.98

pH : 5.62

Extractable nutrients (ppm) : Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety : Rice / 211L1008

Planting method/date : Drill seeded / April 14

Seeding rate/depth : 25 seeds /ft² / .75 inches

Emergence date : April 25

Harvest date : September 3

Ratoon Harvest date : NA

Seed treatment/cwt : **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization : 250 lb/A 0-24-24-2.8, April 14

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 6

Drain : August 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides : None

Fungicides : 15 oz/A Amistar Top, July 3

Table 35. Agronomic response of drill-seeded 211L1008 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	89.5 a	78.5 a	37.8 a	13.03 a	7237 a
2	150 N	4-5 leaf	89.5 a	78.5 a	39.8 a	13.18 a	7730 a
3	210 N	4-5 leaf	91.0 a	80.0 a	42.0 a	13.35 a	7291 a
LSD P=.05			4.99	4.99	4.38	0.429	746.4
Standard Deviation			2.89	2.89	2.53	0.248	431.4
CV			3.21	3.65	6.36	1.88	5.81
Treatment F			0.360	0.360	2.818	1.724	1.570
Treatment Prob(F)			0.7118	0.7118	0.1371	0.2561	0.2829

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 201L1251 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-10

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / 201L1251

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 36. Agronomic response of drill-seeded 201L1251 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	99.3 a	88.3 a	39.8 a	12.25 c	6953 a
2	150 N	4-5 leaf	102.3 a	91.3 a	40.0 a	13.08 b	7539 a
3	210 N	4-5 leaf	102.3 a	91.3 a	40.5 a	14.48 a	7545 a
LSD P=.05			3.16	3.16	2.60	0.525	824.8
Standard Deviation			1.83	1.83	1.50	0.303	476.7
CV			1.8	2.02	3.74	2.29	6.49
Treatment F			3.600	3.600	0.259	55.042	2.036
Treatment Prob(F)			0.0939	0.0939	0.7798	0.0001	0.2114

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL05 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-MSU-13
Site and design	
Location/Cooperator	McNeese St. University Farm / Darrin Goodwin
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Midland silty clay loam
% Organic matter	0.98
pH	5.62
Extractable nutrients (ppm)	Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84
Crop/Variety	Rice / 213L1140PV (PVL05)
Planting method/date	Drill seeded / April 14
Seeding rate/depth	25 seeds /ft ² / .75 inches
Emergence date	April 25
Harvest date	September 3
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, April 14
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 6
Drain	August 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10
	1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
	2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3
Insecticides	None
Fungicides	15 oz/A Amistar Top, July 3

Table 37. Agronomic response of drill-seeded PVL05 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	96.5 a	85.5 a	40.3 a	12.33 a	8797 a
2	150 N	4-5 leaf	97.8 a	86.8 a	41.5 a	12.65 a	8933 a
3	210 N	4-5 leaf	98.8 a	87.8 a	41.5 a	12.75 a	7870 b
LSD P=.05			1.80	1.80	1.98	0.970	762.9
Standard Deviation			1.04	1.04	1.14	0.561	440.9
CV			1.07	1.2	2.78	4.46	5.17
Treatment F			4.692	4.692	1.596	0.629	6.879
Treatment Prob(F)			0.0593	0.0593	0.2782	0.5651	0.0280

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 211L1331 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-14

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / 211L1331

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 38. Agronomic response of drill-seeded 211L1331 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	96.3 c	85.3 c	42.3 a	11.725 a	6750 a
2	150 N	4-5 leaf	97.0 b	86.0 b	43.5 a	11.138 a	6693 a
3	210 N	4-5 leaf	97.8 a	86.8 a	43.3 a	12.175 a	6456 a
LSD P=.05			0.51	0.51	2.18	1.0862	404.6
Standard Deviation			0.37	0.37	1.59	0.7905	294.5
CV			0.38	0.43	3.7	6.77	4.44
Treatment F			16.200	16.200	0.692	1.733	1.125
Treatment Prob(F)			0.0038	0.0038	0.5364	0.2547	0.3847

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded 222L1082 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-15

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / 222L1082

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 39. Agronomic response of drill-seeded 222L1082 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	88.5 a	77.5 a	42.5 a	12.90 a	7712 a
2	150 N	4-5 leaf	87.8 a	76.8 a	44.5 a	12.68 a	7617 a
3	210 N	4-5 leaf	90.8 a	79.8 a	43.8 a	12.83 a	7277 b
LSD P=.05			4.71	4.71	1.80	0.676	228.3
Standard Deviation			2.72	2.72	1.04	0.391	131.9
CV			3.06	3.49	2.39	3.05	1.75
Treatment F			1.315	1.315	3.769	0.344	11.986
Treatment Prob(F)			0.3362	0.3362	0.0870	0.7219	0.0080

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLM05 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number: 25-MSU-79

Site and design:

Location/Cooperator: McNeese St. University Farm / Darrin Goodwin

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Midland silty clay loam

% Organic matter: 0.98

pH: 5.62

Extractable nutrients (ppm): Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety: Rice / CLM05

Planting method/date: Drill seeded / April 14

Seeding rate/depth: 25 seeds /ft² / .75 inches

Emergence date: April 25

Harvest date: September 3

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, April 14

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 6

Drain: August 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides: None

Fungicides: 15 oz/A Amistar Top, July 3

Table 40. Agronomic response of drill-seeded CLM05 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	99.5 b	88.5 b	40.3 c	14.65 a	7526 a
2	150 N	4-5 leaf	100.5 ab	89.5 ab	41.3 b	14.55 a	7302 a
3	210 N	4-5 leaf	101.3 a	90.3 a	42.3 a	14.93 a	6806 b
LSD P=.05			1.12	1.12	1.00	0.972	982.0
Standard Deviation			0.65	0.65	0.58	0.561	567.6
CV			0.64	0.72	1.4	3.82	7.87
Treatment F			7.400	7.400	12.000	0.478	1.684
Treatment Prob(F)			0.0240	0.0240	0.0080	0.6415	0.2627

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL06 to Three Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-MSU-80
Site and design	
Location/Cooperator	McNeese St. University Farm / Darrin Goodwin
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Midland silty clay loam
% Organic matter	0.98
pH	5.62
Extractable nutrients (ppm)	Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84
Crop/Variety	Rice / PVL06
Planting method/date	Drill seeded / April 14
Seeding rate/depth	25 seeds /ft ² / .75 inches
Emergence date	April 25
Harvest date	September 3
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, April 14
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 6
Drain	August 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10
	1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
	2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3
Insecticides	None
Fungicides	15 oz/A Amistar Top, July 3

Table 41. Agronomic response of drill-seeded PVL06 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	4-5 leaf	93.5 a	82.5 a	41.3 b	12.48 a	8540 a
2	150 N	4-5 leaf	94.0 a	83.0 a	44.3 a	12.45 a	8445 a
3	210 N	4-5 leaf	95.0 a	84.0 a	44.0 a	12.50 a	8148 a
LSD P=.05			1.91	1.91	1.80	0.379	954.1
Standard Deviation			1.11	1.11	1.04	0.219	551.4
CV			1.17	1.33	2.41	1.76	6.58
Treatment F			1.909	1.909	10.231	0.052	0.550
Treatment Prob(F)			0.2282	0.2282	0.0117	0.9497	0.6036

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid RT7421 FP to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number : 25-MSU-22

Site and design :

Location/Cooperator : McNeese St. University Farm / Darrin Goodwin

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Midland silty clay loam

% Organic matter : 0.98

pH : 5.62

Extractable nutrients (ppm) : Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety : Rice / RT 7421 FP

Planting method/date : Drill seeded / April 14

Seeding rate/depth : 10 seeds /ft² / .75 inches

Emergence date : April 25

Harvest date : September 3

Ratoon Harvest date : NA

Seed treatment/cwt : **Hybrids:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization : 250 lb/A 0-24-24-2.8, April 14

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 6

Drain : August 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides : None

Fungicides : 15 oz/A Amistar Top, July 3

Table 42. Agronomic response of drill-seeded hybrid RT7421 FP to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	95.0 d	84.0 d	48.5 a	12.58 e	10557 bc
2	N 90	4-5 leaf	98.0 bc	87.0 bc	51.3 a	13.53 cd	11544 a
3	N 120	4-5 leaf	97.3 cd	86.3 cd	51.5 a	13.10 de	11374 a
4	N 150	4-5 leaf	101.0 a	90.0 a	51.3 a	14.58 ab	10766 b
5	N 180	4-5 leaf	100.3 ab	89.3 ab	52.0 a	13.93 bc	10139 c
6	N 210	4-5 leaf	102.5 a	91.5 a	51.5 a	15.18 a	10139 c
LSD P=.05			2.98	2.98	3.20	0.773	556.3
Standard Deviation			1.98	1.98	2.12	0.513	369.1
CV			2.0	2.25	4.16	3.71	3.43
Treatment F			7.725	7.725	1.400	13.915	10.588
Treatment Prob(F)			0.0009	0.0009	0.2799	0.0001	0.0002

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid RT3202 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number : 25-MSU-23

Site and design :

Location/Cooperator : McNeese St. University Farm / Darrin Goodwin

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Midland silty clay loam

% Organic matter : 0.98

pH : 5.62

Extractable nutrients (ppm) : Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety : Rice / RT 3202

Planting method/date : Drill seeded / April 14

Seeding rate/depth : 10 seeds /ft² / .75 inches

Emergence date : April 25

Harvest date : September 3

Ratoon Harvest date : NA

Seed treatment/cwt : **Hybrids:**

Apron (fungicide)

Dynasty (fungicide)

Fludioxonil (fungicide)(Maxim)

Gibberellic Acid

Vibrance

Zinc

Cruiser

AV-1011 (bird repellent) – 18.3 oz

Fertilization : 250 lb/A 0-24-24-2.8, April 14

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 6

Drain : August 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

20 oz/A Clincher, May 22

2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides : None

Fungicides : 15 oz/A Amistar Top, July 3

Table 43. Agronomic response of drill-seeded hybrid RT3202 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	No N	4-5 leaf	85.3 a	74.3 a	42.3 b	14.63 bc	9408 b
2	N 90	4-5 leaf	87.3 a	76.3 a	44.8 ab	14.38 c	11078 a
3	N 120	4-5 leaf	89.3 a	78.3 a	44.0 ab	14.60 bc	11569 a
4	N 150	4-5 leaf	86.8 a	75.8 a	46.5 a	15.68 a	11168 a
5	N 180	4-5 leaf	87.3 a	76.3 a	45.3 a	15.28 ab	11181 a
6	N 210	4-5 leaf	87.5 a	76.5 a	46.0 a	15.28 ab	11174 a
LSD P=.05			2.95	2.95	2.52	0.859	977.1
Standard Deviation			1.95	1.95	1.67	0.570	648.3
CV			2.24	2.56	3.73	3.81	5.93
Treatment F			1.739	1.739	3.353	3.184	5.568
Treatment Prob(F)			0.1865	0.1865	0.0313	0.0372	0.0043

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid DGH2004 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number : 25-MSU-24

Site and design :

Location/Cooperator : McNeese St. University Farm / Darrin Goodwin

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Midland silty clay loam

% Organic matter : 0.98

pH : 5.62

Extractable nutrients (ppm) : Ca-1,975; Cu-1.51; Mg-468; P-17; K-115; Na-71; S-27; Zn-1.84

Crop/Variety : Rice / DGH2004

Planting method/date : Drill seeded / April 14

Seeding rate/depth : 10 seeds /ft² / .75 inches

Emergence date : April 25

Harvest date : September 3

Ratoon Harvest date : NA

Seed treatment/cwt : **Hybrids:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization : 250 lb/A 0-24-24-2.8, April 14

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 6

Drain : August 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1 qt/A Glyphosate + 2 oz/A Sharpen + 6 oz/A Command, April 10

 1 gal/A Propanil + 0.66 oz/A Permit + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

 2 qt/A Propanil + 2 qt/A Rice Beaux + 1.5 oz/A Gambit, June 3

Insecticides : None

Fungicides : 15 oz/A Amistar Top, July 3

Table 44. Agronomic response of drill-seeded hybrid DGH2004 to nitrogen fertilizer rate. McNeese State University Farm, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/3/2025	9/3/2025	9/3/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	93.3 b	82.3 b	40.3 b	14.98 c	6989 a
2	N 90	4-5 leaf	96.0 ab	85.0 ab	44.0 a	16.03 abc	7473 a
3	N 120	4-5 leaf	95.5 ab	84.5 ab	44.5 a	15.58 bc	7473 a
4	N 150	4-5 leaf	99.0 a	88.0 a	44.0 a	16.93 a	6968 a
5	N 180	4-5 leaf	98.3 a	87.3 a	44.8 a	16.43 ab	6939 a
6	N 210	4-5 leaf	99.0 a	88.0 a	44.3 a	16.30 ab	7003 a
LSD P=.05			4.07	4.07	2.82	1.098	875.0
Standard Deviation			2.70	2.70	1.87	0.729	580.5
CV			2.79	3.15	4.29	4.54	8.13
Treatment F			2.927	2.927	3.224	3.541	0.790
Treatment Prob(F)			0.0487	0.0487	0.0357	0.0259	0.5730

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Experiment number : 25-RP-01

Site and design :

Location/Cooperator : Richland Parish / Marley Oldham

Tillage type : Spring stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size : 4.67 x 16 ft

Row width/rows per plot : 8 in / 7

Soil type : Perry clay

% Organic matter : 0.67

pH : 5.80

Extractable nutrients (ppm) : Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96

Crop/Variety : Rice / DG563PVL

Planting method/date : Drill seeded / May 19

Seeding rate/depth : 18 seed/ft² / 1 inch

Emergence date : May 29

Harvest date : October 13

Ratoon Harvest date : NA

Seed treatment/cwt : **Conventional Varieties:**
Apron (fungicide) – 8.88 ml
Maxim (fungicide) – 0.88 ml
Release (gibberellic acid) – 10 g
Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
AV-1011 (bird repellent) – 18.3 oz
Dermacor- 0.137 lb ai/cwt

Fertilization : No blanket applications

Water management : Underground irrigation

Flush : By Rainfall

Flood : June 30

Drain : September 15

Ratoon flood : NA

Ratoon drain : NA

Pest management :

Herbicides : 1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
1.5 oz/A Gambit + 3 qt/A Propanil, June 26

Insecticides : None

Fungicides : None

Table 45. Agronomic response of drill-seeded DG563PVL to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	No N	4-5 leaf	84.3 d	74.3 d	33.0 c	0.0 b	0.0 c	10.525 a
2	N 90	4-5 leaf	85.8 c	75.8 c	36.0 b	60.0 a	1.5 b	9.725 bc
3	N 120	4-5 leaf	88.3 b	78.3 b	39.0 a	67.5 a	1.3 b	9.513 c
4	N 150	4-5 leaf	88.8 ab	78.8 ab	38.5 ab	75.0 a	2.8 a	10.205 ab
5	N 180	4-5 leaf	88.0 b	78.0 b	39.8 a	80.0 a	3.0 a	9.708 bc
6	N 210	4-5 leaf	89.3 a	79.3 a	40.5 a	65.0 a	2.8 a	9.563 c
LSD P=.05			0.81	0.81	2.89	28.76	1.09	0.5397
Standard Deviation			0.53	0.53	1.92	19.08	0.72	0.3581
CV			0.61	0.69	5.08	32.95	38.44	3.63
Treatment F			53.039	53.039	8.530	9.403	10.540	5.060
Treatment Prob(F)			0.0001	0.0001	0.0005	0.0003	0.0002	0.0065

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG543PVL to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-02
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / 23DGL001PV (DG543PVL)
Planting method/date	Drill seeded / May 19
Seeding rate/depth	18 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 46. Agronomic response of drill-seeded DG543PVL to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	81.0 c	71.0 c	31.0 c	32.5 b	1.3 b	9.575 a
2	N 90	4-5 leaf	82.5 b	72.5 b	33.0 bc	77.5 a	3.8 a	8.795 b
3	N 120	4-5 leaf	83.3 b	73.3 b	34.5 ab	97.5 a	4.5 a	8.710 b
4	N 150	4-5 leaf	84.3 a	74.3 a	37.3 a	87.5 a	4.3 a	8.053 c
5	N 180	4-5 leaf	84.3 a	74.3 a	33.8 bc	97.5 a	4.5 a	8.423 bc
6	N 210	4-5 leaf	84.5 a	74.5 a	34.3 b	100.0 a	5.0 a	7.925 c
LSD P=.05			0.76	0.76	2.99	31.44	1.32	0.6226
Standard Deviation			0.50	0.50	1.99	20.86	0.87	0.4131
CV			0.6	0.69	5.85	25.42	22.56	4.81
Treatment F			29.044	29.044	4.247	6.075	9.524	8.370
Treatment Prob(F)			0.0001	0.0001	0.0132	0.0029	0.0003	0.0006

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded DG273L to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-03
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / 23DGL070 (DG273L)
Planting method/date	Drill seeded / May 19
Seeding rate/depth	18 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 47. Agronomic response of drill-seeded DG273L to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	83.3 e	73.3 e	34.3 b	10.0 c	0.8 b	10.293 a
2	N 90	4-5 leaf	84.8 d	74.8 d	39.5 a	60.0 b	3.3 a	9.393 a
3	N 120	4-5 leaf	87.3 c	77.3 c	40.8 a	90.0 ab	3.8 a	9.385 a
4	N 150	4-5 leaf	88.0 bc	78.0 bc	40.5 a	77.5 ab	4.0 a	9.625 a
5	N 180	4-5 leaf	88.3 ab	78.3 ab	40.5 a	95.0 a	4.5 a	9.313 a
6	N 210	4-5 leaf	89.0 a	79.0 a	40.8 a	67.5 ab	4.3 a	9.600 a
LSD P=.05			0.79	0.79	2.44	31.57	1.50	0.8070
Standard Deviation			0.53	0.53	1.62	20.95	0.99	0.5354
CV			0.61	0.69	4.12	31.42	29.11	5.58
Treatment F			73.080	73.080	9.912	8.605	7.652	1.820
Treatment Prob(F)			0.0001	0.0001	0.0002	0.0005	0.0009	0.1694

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLHA03 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-04
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 48. Agronomic response of drill-seeded CLHA03 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	No N	4-5 leaf	84.3 c	74.3 c	37.5 c	5.0 a	0.8 a	11.850 a
2	N 90	4-5 leaf	86.8 b	76.8 b	40.3 b	52.5 a	3.0 a	10.923 a
3	N 120	4-5 leaf	87.3 b	77.3 b	40.0 b	57.5 a	3.3 a	11.310 a
4	N 150	4-5 leaf	88.3 a	78.3 a	40.8 b	27.5 a	2.0 a	11.400 a
5	N 180	4-5 leaf	88.3 a	78.3 a	42.8 a	47.5 a	2.5 a	11.630 a
6	N 210	4-5 leaf	89.0 a	79.0 a	41.5 ab	47.5 a	2.5 a	11.010 a
LSD P=.05			0.81	0.81	1.55	41.84	2.48	1.1613
Standard Deviation			0.53	0.53	1.03	27.76	1.64	0.7706
CV			0.61	0.69	2.54	70.14	70.42	6.79
Treatment F			39.990	39.990	11.723	2.029	1.173	0.850
Treatment Prob(F)			0.0001	0.0001	0.0001	0.1324	0.3675	0.5359

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL04 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-05
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / PVL04
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 49. Agronomic response of drill-seeded PVL04 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage						
1	No N	4-5 leaf	87.3 d	77.3 d	39.8 b	0.0 a	0.0 a	12.38 b
2	N 90	4-5 leaf	93.0 c	83.0 c	41.8 ab	20.0 a	1.0 a	12.48 b
3	N 120	4-5 leaf	96.8 b	86.8 b	41.8 ab	0.0 a	0.0 a	13.65 a
4	N 150	4-5 leaf	97.5 ab	87.5 ab	42.3 a	0.0 a	0.0 a	13.43 ab
5	N 180	4-5 leaf	97.8 a	87.8 a	43.5 a	7.5 a	0.5 a	14.18 a
6	N 210	4-5 leaf	98.3 a	88.3 a	43.8 a	5.0 a	0.8 a	13.88 a
LSD P=.05			0.94	0.94	2.23	27.51	1.66	1.088
Standard Deviation			0.62	0.62	1.48	18.25	1.10	0.722
CV			0.66	0.73	3.52	336.92	294.48	5.42
Treatment F			188.14	188.14	3.812	0.733	0.636	4.246
Treatment Prob(F)			0.0001	0.0001	0.0199	0.6098	0.6760	0.0132

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Taurus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-06
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	
Conventional Varieties:	
Apron (fungicide) – 8.88 ml	
Maxim (fungicide) – 0.88 ml	
Release (gibberellic acid) – 10 g	
Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml	
AV-1011 (bird repellent) – 18.3 oz	
Dermacor- 0.137 lb ai/cwt	
Fertilization	
No blanket applications	
Water management	
Underground irrigation	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6	
1.5 oz/A Gambit + 3 qt/A Propanil, June 26	
Insecticides	None
Fungicides	None

Table 50. Agronomic response of drill-seeded Taurus to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	No N	4-5 leaf	84.0 d	74.0 d	30.8 c	0.0 a	0.0 a	11.550 a
2	N 90	4-5 leaf	84.8 c	74.8 c	33.5 b	7.5 a	0.8 a	11.450 a
3	N 120	4-5 leaf	85.3 c	75.3 c	34.3 ab	5.0 a	1.0 a	11.475 a
4	N 150	4-5 leaf	86.3 b	76.3 b	34.3 ab	22.5 a	1.3 a	11.100 a
5	N 180	4-5 leaf	86.5 b	76.5 b	35.5 ab	45.0 a	2.5 a	11.020 a
6	N 210	4-5 leaf	87.3 a	77.3 a	36.3 a	32.5 a	2.5 a	10.835 a
LSD P=.05			0.75	0.75	2.18	37.28	2.23	0.7683
Standard Deviation			0.49	0.49	1.45	24.74	1.48	0.5098
CV			0.58	0.65	4.25	131.93	110.96	4.54
Treatment F			24.000	24.000	6.937	2.039	1.812	1.316
Treatment Prob(F)			0.0001	0.0001	0.0015	0.1310	0.1709	0.3096

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Venus to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-07
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 51. Agronomic response of drill-seeded Venus to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	83.3 c	73.3 c	31.3 e	11.90 abc	5682 d
2	N 90	4-5 leaf	85.3 b	75.3 b	33.8 d	12.13 ab	6607 c
3	N 120	4-5 leaf	85.3 b	75.3 b	35.5 cd	12.25 a	7290 b
4	N 150	4-5 leaf	86.0 ab	76.0 ab	36.0 bc	11.83 bc	7487 ab
5	N 180	4-5 leaf	85.8 ab	75.8 ab	38.0 a	11.85 bc	7625 ab
6	N 210	4-5 leaf	86.3 a	76.3 a	37.8 ab	11.70 c	8004 a
LSD P=.05			0.87	0.87	1.91	0.352	642.7
Standard Deviation			0.57	0.57	1.27	0.233	426.4
CV			0.67	0.76	3.59	1.95	5.99
Treatment F			14.042	14.042	16.212	3.098	15.525
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0406	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Fitzgerald to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-08
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 13
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 52. Agronomic response of drill-seeded Fitzgerald to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	83.3 c	73.3 c	36.0 c	11.93 a	5027 c
2	N 90	4-5 leaf	82.3 d	72.3 d	37.3 bc	11.95 a	5605 b
3	N 120	4-5 leaf	85.3 b	75.3 b	40.8 a	12.23 a	6244 a
4	N 150	4-5 leaf	85.3 b	75.3 b	37.8 bc	11.73 a	6245 a
5	N 180	4-5 leaf	86.3 a	76.3 a	40.5 a	12.00 a	6266 a
6	N 210	4-5 leaf	86.3 a	76.3 a	39.5 ab	12.23 a	6088 a
LSD P=.05			0.78	0.78	2.36	0.663	464.9
Standard Deviation			0.52	0.52	1.57	0.440	308.4
CV			0.61	0.69	4.05	3.66	5.22
Treatment F			40.500	40.500	5.983	0.763	10.560
Treatment Prob(F)			0.0001	0.0001	0.0031	0.5901	0.0002

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Experimental Line 211L1008 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-09
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 53. Agronomic response of drill-seeded Experimental Line 211L1008 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	N 90	4-5 leaf	81.0 a	71.0 a	38.3 a	12.80 a	7596 b
2	N 150	4-5 leaf	81.0 a	71.0 a	39.8 a	12.98 a	8073 a
3	N 210	4-5 leaf	81.0 a	71.0 a	41.0 a	12.83 a	8383 a
LSD P=.05			N/A	N/A	2.95	0.600	462.7
Standard Deviation			0.00	0.00	1.71	0.347	267.4
CV			0.0	0.0	4.31	2.7	3.34
Treatment F			N/A	N/A	2.600	0.298	8.798
Treatment Prob(F)			N/A	N/A	0.1537	0.7527	0.0164

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Experimental Line 201L1251 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-10
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 54. Agronomic response of drill-seeded Experimental Line 201L1251 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	N 90	4-5 leaf	85.5 b	75.5 b	41.0 a	12.28 b	9095 a
2	N 150	4-5 leaf	86.8 ab	76.8 ab	41.5 a	13.10 a	9597 a
3	N 210	4-5 leaf	87.3 a	77.3 a	41.8 a	13.13 a	9447 a
LSD P=.05			1.32	1.32	2.78	0.462	1084.4
Standard Deviation			0.76	0.76	1.61	0.267	626.7
CV			0.88	1.0	3.88	2.08	6.68
Treatment F			5.571	5.571	0.226	13.109	0.675
Treatment Prob(F)			0.0429	0.0429	0.8044	0.0065	0.5440

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Experiment number: 25-RP-13

Site and design:

Location/Cooperator: Richland Parish / Marley Oldham

Tillage type: Spring stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Perry clay

% Organic matter: 0.67

pH: 5.80

Extractable nutrients (ppm): Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96

Crop/Variety: Rice / 213L1140 PV

Planting method/date: Drill seeded / May 19

Seeding rate/depth: 25 seed/ft² / 1 inch

Emergence date: May 29

Harvest date: October 7

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization: No blanket applications

Water management: Underground irrigation

Flush: By Rainfall

Flood: June 30

Drain: September 15

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19

32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6

1.5 oz/A Gambit + 3 qt/A Propanil, June 26

Insecticides: None

Fungicides: None

Table 55. Agronomic response of drill-seeded Experimental Line 213L1140 PV (PVL05) to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	N 90	4-5 leaf	84.3 b	74.3 b	40.8 a	12.33 a	9902 a
2	N 150	4-5 leaf	86.0 a	76.0 a	41.8 a	12.50 a	10056 a
3	N 210	4-5 leaf	86.8 a	76.8 a	41.3 a	12.28 a	9411 a
LSD P=.05			1.19	1.19	2.00	1.170	871.7
Standard Deviation			0.69	0.69	1.15	0.676	503.8
CV			0.8	0.91	2.8	5.47	5.15
Treatment F			13.941	13.941	0.750	0.122	1.790
Treatment Prob(F)			0.0056	0.0056	0.5120	0.8871	0.2457

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Experimental Line 211L1331 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-14
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 56. Agronomic response of drill-seeded Experimental Line 211L1331 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Hog Damage	Moist	Yield
Rating Unit			days	days	in	% plot	%	lb/A
Crop Stage			Main	Main	Main	Main	Main	Main
Trt No.	Urea (lb N/A)	Growth Stage						
1	N 90	4-5 leaf	89.3 b	79.3 b	43.3 a	0.0 a	12.95 b	8561 a
2	N 150	4-5 leaf	91.3 a	81.3 a	43.3 a	0.0 a	13.60 a	8589 a
3	N 210	4-5 leaf	91.8 a	81.8 a	44.8 a	v5.0 a	13.55 a	7746 a
LSD P=.05			1.00	1.00	3.60	9.99	0.522	1600.6
Standard Deviation			0.58	0.58	2.08	5.77	0.302	925.1
CV			0.64	0.71	4.76	346.41	2.26	11.15
Treatment F			21.000	21.000	0.692	1.000	5.744	1.072
Treatment Prob(F)			0.0020	0.0020	0.5364	0.4219	0.0404	0.3998

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Experimental Line 222L1082 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-15
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacon- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 57. Agronomic response of drill-seeded Experimental Line 222L1082 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Lodge	Lodge	Moist
Rating Unit			days	days	in	% plot	rate (1-5)	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	N 90	4-5 leaf	85.3 b	75.3 b	43.8 b	0.0 a	0.0 a	13.75 b
2	N 150	4-5 leaf	86.3 b	76.3 b	46.5 a	0.0 a	0.0 a	14.20 ab
3	N 210	4-5 leaf	89.0 a	79.0 a	46.0 a	20.0 a	1.0 a	14.48 a
LSD P=.05			1.12	1.12	1.85	39.96	2.00	0.513
Standard Deviation			0.65	0.65	1.07	23.09	1.15	0.297
CV			0.74	0.84	2.35	346.41	346.41	2.1
Treatment F			36.200	36.200	7.537	1.000	1.000	6.085
Treatment Prob(F)			0.0004	0.0004	0.0231	0.4219	0.4219	0.0360

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded CLM05 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-79
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 58. Agronomic response of drill-seeded CLM05 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle			
Rating Date					9/22/2025	10/13/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Hog Damage	Moist	Yield
Rating Unit			days	days	in	% plot	%	lb/A
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	Urea	Growth						
No.	(lb N/A)	Stage						
1	N 90	4-5 leaf	87.5 c	77.5 c	36.0 a	0.0 a	12.60 a	8216 b
2	N 150	4-5 leaf	89.8 a	79.8 a	37.3 a	0.0 a	12.70 a	8385 ab
3	N 210	4-5 leaf	88.8 b	78.8 b	37.0 a	20.0 a	12.58 a	7063 a
LSD P=.05			0.61	0.61	1.98	31.73	0.306	2423.7
Standard Deviation			0.44	0.44	1.44	23.09	0.223	1763.9
CV			0.5	0.56	3.93	346.41	1.77	22.36
Treatment F			26.143	26.143	0.840	1.000	0.352	0.665
Treatment Prob(F)			0.0011	0.0011	0.4768	0.4219	0.7169	0.5486

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded PVL06 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-80
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / PVL06
Planting method/date	Drill seeded / May 19
Seeding rate/depth	25 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19 32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6 1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 59. Agronomic response of drill-seeded PVL06 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	N 90	4-5 leaf	86.3 a	76.3 a	37.5 b	12.75 a	10324 a
2	N 150	4-5 leaf	88.3 a	78.3 a	40.0 a	12.83 a	10351 a
3	N 210	4-5 leaf	91.3 a	81.3 a	40.5 a	12.79 a	10697 a
LSD P=.05			N/A	N/A	2.24	0.536	422.9
Standard Deviation			0.00	0.00	1.63	0.376	296.8
CV			0.0	0.0	4.15	2.94	2.85
Treatment F			N/A	N/A	3.875	0.056	0.719
Treatment Prob(F)			N/A	N/A	0.0831	0.9461	0.5315

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid RT7421FP to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-22
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	
Planting method/date	Drill seeded / May 19
Seeding rate/depth	10 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	No blanket applications
Water management	
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 60. Agronomic response of drill-seeded hybrid RT7421FP to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	84.3 e	74.3 e	45.3 c	11.95 c	8296 b
2	N 90	4-5 leaf	88.3 d	78.3 d	48.3 ab	13.13 b	11140 a
3	N 120	4-5 leaf	93.3 c	83.3 c	47.3 bc	14.08 a	11495 a
4	N 150	4-5 leaf	94.5 b	84.5 b	49.5 ab	14.40 a	11853 a
5	N 180	4-5 leaf	96.3 a	86.3 a	50.5 a	14.28 a	11984 a
6	N 210	4-5 leaf	96.0 a	86.0 a	47.8 bc	14.58 a	11787 a
LSD P=.05			1.13	1.13	2.62	0.800	986.3
Standard Deviation			0.75	0.75	1.74	0.531	654.4
CV			0.82	0.92	3.62	3.86	5.9
Treatment F			163.71	163.71	4.407	14.529	18.380
Treatment Prob(F)			0.0001	0.0001	0.0114	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid RT3202 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-23
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / RT3202
Planting method/date	Drill seeded / May 19
Seeding rate/depth	10 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 61. Agronomic response of drill-seeded hybrid RT3202 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/13/2025	10/13/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	81.0 a	71.0 a	40.5 b	12.23 c	7759 c
2	N 90	4-5 leaf	81.0 a	71.0 a	44.3 a	12.63 bc	10408 b
3	N 120	4-5 leaf	81.0 a	71.0 a	44.8 a	13.00 ab	10879 ab
4	N 150	4-5 leaf	81.0 a	71.0 a	45.8 a	13.25 ab	11445 a
5	N 180	4-5 leaf	81.0 a	71.0 a	45.8 a	13.63 a	11327 a
6	N 210	4-5 leaf	81.0 a	71.0 a	46.5 a	13.38 a	11180 ab
LSD P=.05			N/A	N/A	2.65	0.672	895.1
Standard Deviation			0.00	0.00	1.76	0.446	593.9
CV			0.0	0.0	3.95	3.43	5.66
Treatment F			N/A	N/A	5.989	5.363	22.007
Treatment Prob(F)			N/A	N/A	0.0031	0.0050	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Drill-Seeded Hybrid DG3H2004 to Different Rates of Nitrogen Fertilizer in Delayed Flood Conditions

Experiment number	25-RP-24
Site and design	
Location/Cooperator	Richland Parish / Marley Oldham
Tillage type	Spring stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Perry clay
% Organic matter	0.67
pH	5.80
Extractable nutrients (ppm)	Ca-3,418; Cu-2.03; Mg-1372; P-27; K-386; Na-116; S-38; Zn-2.96
Crop/Variety	Rice / DG3H2004
Planting method/date	Drill seeded / May 19
Seeding rate/depth	10 seed/ft ² / 1 inch
Emergence date	May 29
Harvest date	October 7
Ratoon Harvest date	NA
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	No blanket applications
Water management	Underground irrigation
Flush	By Rainfall
Flood	June 30
Drain	September 15
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 16 oz/A Command + 2 oz/A Sharpen, May 19
	32 oz/A Prowl + 0.66 oz/A Permit + 43 oz/A Facet, June 6
	1.5 oz/A Gambit + 3 qt/A Propanil, June 26
Insecticides	None
Fungicides	None

Table 62. Agronomic response of drill-seeded hybrid DG3H2004 to nitrogen fertilizer rate. Richland parish, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					9/22/2025	10/7/2025	10/7/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	No N	4-5 leaf	86.5 d	76.5 d	38.0 c	13.45 a	7441 b
2	N 90	4-5 leaf	87.8 c	77.8 c	42.3 ab	13.88 a	8340 a
3	N 120	4-5 leaf	88.0 c	78.0 c	40.5 bc	15.10 a	8619 a
4	N 150	4-5 leaf	89.3 b	79.3 b	41.0 b	14.20 a	8868 a
5	N 180	4-5 leaf	89.5 b	79.5 b	44.8 a	14.28 a	8842 a
6	N 210	4-5 leaf	90.8 a	80.8 a	43.3 ab	14.68 a	8623 a
LSD P=.05			1.24	1.24	2.98	1.678	637.1
Standard Deviation			0.82	0.82	1.97	1.113	422.7
CV			0.93	1.04	4.74	7.81	5.0
Treatment F			13.444	13.444	5.664	1.088	6.344
Treatment Prob(F)			0.0001	0.0001	0.0040	0.4064	0.0024

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Water Seeding Pre-Soaked DG563PVL to Different Rates of Nitrogen Fertilizer

Experiment number	25-CM-71
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / DG563PVL
Planting method/date	Water seeded / March 20
Seeding rate/depth	40 seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 63. Agronomic response of water seeding pre-soaked DG563PVL to different rates of nitrogen fertilizer. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Moist % Main	Rice 7/21/2025 Yield lb/A Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	90 N	After first drain	87.5 a	83.5 a	34.8 a	15.05 c	9048 a
2	150 N	After first drain	87.5 a	83.5 a	36.3 a	16.78 b	9096 a
3	210 N	After first drain	87.5 a	83.5 a	37.8 a	19.65 a	10478 a
LSD P=.05			N/A	N/A	2.58	1.076	1469.9
Standard Deviation			0.00	0.00	1.49	0.622	849.5
CV			0.0	0.0	4.11	3.62	8.9
Treatment F			N/A	N/A	4.050	55.904	3.657
Treatment Prob(F)			N/A	N/A	0.0771	0.0001	0.0915

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Water Seeding Pre-Soaked Venus to Different Rates of Nitrogen Fertilizer

Experiment number	25-CM-72
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / Venus
Planting method/date	Water seeded / March 20
Seeding rate/depth	40 seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 64. Agronomic response of water seeding pre-soaked Venus to different rates of nitrogen fertilizer. H. Rouse Caffey Rice Research Station 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	After first drain	87.0 a	83.0 a	34.5 a	20.98 a	7535 a
2	150 N	After first drain	87.0 a	83.0 a	36.5 a	21.78 a	8752 a
3	210 N	After first drain	87.0 a	83.0 a	36.5 a	21.50 a	8159 a
LSD P=.05			N/A	N/A	4.50	1.569	2200.3
Standard Deviation			0.00	0.00	2.60	0.907	1271.7
CV			0.0	0.0	7.27	4.23	15.61
Treatment F			N/A	N/A	0.787	0.804	0.916
Treatment Prob(F)			N/A	N/A	0.4972	0.4905	0.4498

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Water Seeding Pre-Soaked CLHA03 to Different Rates of Nitrogen Fertilizer

Experiment number	25-CM-73
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / CLHA03
Planting method/date	Water seeded / March 20
Seeding rate/depth	40 seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 65. Agronomic response of water seeding pre-soaked CLHA03 to different rates of nitrogen fertilizer. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Moist % Main	Rice 7/21/2025 Yield lb/A Main
Trt No.	Urea (lb N/A)	Growth Stage					
1	90 N	After first drain	86.0 a	82.0 a	32.8 a	16.90 a	8530 a
2	150 N	After first drain	86.0 a	82.0 a	35.0 a	17.53 a	8887 a
3	210 N	After first drain	86.0 a	82.0 a	34.3 a	17.65 a	8380 a
LSD P=.05			N/A	N/A	1.85	2.610	2293.7
Standard Deviation			0.00	0.00	1.07	1.509	1325.6
CV			0.0	0.0	3.14	8.69	15.42
Treatment F			N/A	N/A	4.610	0.284	0.155
Treatment Prob(F)			N/A	N/A	0.0613	0.7625	0.8600

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Water Seeding Pre-Soaked PVL03 to Different Rates of Nitrogen Fertilizer

Experiment number	25-CM-74
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / PVL03
Planting method/date	Water seeded / March 20
Seeding rate/depth	40 seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 66. Agronomic response of water seeding pre-soaked PVL03 to different rates of nitrogen fertilizer. H. Rouse Caffey Rice Research Station 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle		
Rating Date					7/21/2025	7/21/2025	7/21/2025
Rating Type			50% HD	50% HD	Height	Moist	Yield
Rating Unit			days	days	in	%	lb/A
Crop Stage			Main	Main	Main	Main	Main
Trt	Urea	Growth					
No.	(lb N/A)	Stage					
1	90 N	After first drain	84.8 a	80.8 a	35.8 a	14.83 a	7639 a
2	150 N	After first drain	85.8 a	81.8 a	37.3 a	16.28 a	8390 a
3	210 N	After first drain	85.3 a	81.3 a	37.0 a	16.03 a	8112 a
LSD P=.05			1.53	1.53	4.66	2.188	1955.0
Standard Deviation			0.88	0.88	2.69	1.264	1129.9
CV			1.03	1.09	7.34	8.05	14.04
Treatment F			1.286	1.286	0.356	1.503	0.452
Treatment Prob(F)			0.3430	0.3430	0.7141	0.2957	0.6561

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of CLL19 to Nitrogen Application Rate and Timing in Furrow Irrigated Rice

Experiment number: 25-CS-07

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / CLL19

Planting method/date: Drill seeded / March 26

Seeding rate/depth: 33 seeds /ft² / 1 inch

Emergence date: April 6

Harvest date: July 29

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 67. Agronomic response of CLL19 for N application rate and timing in furrow Irrigated Rice. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/29/2025	Rice 7/29/2025	Rice 7/29/2025	Rice 7/29/2025	Rice 7/29/2025
			50% HD days Main	50% HD days Main	Height in Main	Lodge % plot Main	Lodge rate (1-5) Main	Moist % Main	Yield lb/A Main
Trt No.	Treatment Name	Total N (lb N/A)							
1	90 N @ 4-5 Leaf	90	88.3 e	77.3 e	32.8 a	0.0 a	0.0 a	18.58 d	8750 a
2	120 N @ 4-5 Leaf	120	89.3 cd	78.3 cd	34.3 a	0.0 a	0.0 a	19.68 c	9039 a
3	150 N @4-5 Leaf	150	90.3 ab	79.3 ab	35.0 a	0.0 a	0.0 a	20.06 bc	9279 a
4	75 N @ 4-5 Leaf 75 N @4-5 Leaf+14d	150	88.8 cde	77.8 cde	35.5 a	0.0 a	0.0 a	20.08 bc	9971 a
5	50 N @ 4-5 Leaf 50 N @4-5 Leaf+14d 50 N @4-5 Leaf+21d	150	88.5 de	77.5 de	34.5 a	0.0 a	0.0 a	19.90 bc	9710 a
6	180 N @4-5 Leaf	180	90.5 a	79.5 a	35.3 a	0.0 a	0.0 a	20.70 ab	8681 a
7	210 N @4-5 Leaf	210	91.0 a	80.0 a	34.8 a	0.0 a	0.0 a	21.58 a	9562 a
8	105 N @4-5 Leaf 105 N @4-5 Leaf+14d	210	89.5 bc	78.5 bc	35.8 a	0.0 a	0.0 a	19.68 c	9611 a
9	70 N @4-5 Leaf 70 N @4-5 Leaf+14d 70 N @4-5 Leaf+21d	210	89.3 cd	78.3 cd	34.8 a	2.5 a	0.3 a	19.55 cd	9786 a
LSD P=.05			0.87	0.87	1.77	2.43	0.24	1.002	975.1
Standard Deviation			0.59	0.59	1.21	1.67	0.17	0.685	666.6
CV			0.66	0.76	3.49	600.0	600.0	3.43	7.1
Treatment F			10.026	10.026	2.102	1.000	1.000	5.780	1.925
Treatment Prob(F)			0.0001	0.0001	0.0762	0.4613	0.4613	0.0004	0.1047

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of PVL04 to Nitrogen Application Rate and Timing in Furrow Irrigated Rice

Experiment number: 25-CS-08

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / PVL04

Planting method/date: Drill seeded / March 26

Seeding rate/depth: 33 seeds /ft² / 1 inch

Emergence date: April 6

Harvest date: August 4

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 68. Agronomic response of PVL04 for N application rate and timing in furrow Irrigated Rice. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/29/2025	Rice 7/29/2025	Rice 7/29/2025
			50% HD days Main	50% HD days Main	Height in Main	Moist % Main	Yield lb/A Main
Trt No.	Treatment Name	Total N (lb N/A)					
1	90 N @ 4-5 Leaf	90	96.5 f	85.5 f	38.0 a	19.23 c ab	8645 a
2	120 N @ 4-5 Leaf	120	98.5 de	87.5 de	39.8 a	19.80 c	8507 a
3	150 N @4-5 Leaf	150	99.0 cd	88.0 cd	39.0 a	19.25 c	8435 a
4	75 N @ 4-5 Leaf	150	98.5 de	87.5 de	38.5 a	19.50 bc	8224 a
	75 N @4-5 Leaf + 14d						
5	50 N @ 4-5 Leaf	150	97.8 e	86.8 e	39.0 a	20.55 ab	8651 a
	50 N @4-5 Leaf + 14d						
	50 N @4-5 Leaf + 21d						
6	180 N @4-5 Leaf	180	99.5 bc	88.5 bc	38.8 a	19.47 bc	8170 a
7	210 N @4-5 Leaf	210	101.0 a	90.0 a	39.5 a	20.75 a	7720 a
8	105 N @4-5 Leaf	210	100.0 b	89.0 b	39.0 a	20.68 a	7901 a
	105 N @4-5 Leaf + 14d						
						ab	
9	70 N @4-5 Leaf	210	100.0 b	89.0 b	38.3 a	20.23 c	7898 a
	70 N @4-5 Leaf + 14d						
	70 N @4-5 Leaf + 21d						
LSD P=.05			0.96	0.96	2.06	1.035	964.4
Standard Deviation			0.66	0.66	1.41	0.708	659.3
CV			0.67	0.75	3.64	3.55	7.99
Treatment F			16.723	16.723	0.629	3.013	1.093
Treatment Prob(F)			0.0001	0.0001	0.7453	0.0181	0.4026

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of Venus to Nitrogen Application Rate and Timing in Furrow Irrigated Rice

Experiment number: 25-CS-09

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / Venus

Planting method/date: Drill seeded / March 26

Seeding rate/depth: 33 seeds /ft² / 1 inch

Emergence date: April 6

Harvest date: August 4

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 69. Agronomic response of Venus for N application rate and timing in furrow Irrigated Rice. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/29/2025	Rice 7/29/2025	Rice 7/29/2025
			50% HD days	50% HD days	Height in	Moist %	Yield lb/A
			Rice	Rice	Rice	Rice	Rice
Trt No.	Treatment Name	Total N (lb N/A)					
1	90 N @ 4-5 Leaf	90	97.0 c	86.0 c	38.5 a	22.54 a	9195 a
2	120 N @ 4-5 Leaf	120	97.3 c	86.3 c	40.0 a	22.15 a	9361 a
3	150 N @4-5 Leaf	150	98.3 b	87.3 b	39.8 a	22.85 a	9517 a
4	75 N @ 4-5 Leaf	150	99.0 ab	88.0 ab	38.8 a	22.98 a	8786 a
	75 N @4-5 Leaf + 14d						
5	50 N @ 4-5 Leaf	150	99.0 ab	88.0 ab	39.0 a	23.53 a	9644 a
	50 N @4-5 Leaf + 14d						
	50 N @4-5 Leaf + 21d						
6	180 N @4-5 Leaf	180	99.3 a	88.3 a	40.5 a	22.85 a	10541 a
7	210 N @4-5 Leaf	210	99.5 a	88.5 a	37.3 a	23.30 a	10795 a
8	105 N @4-5 Leaf	210	99.3 a	88.3 a	39.3 a	21.90 a	9858 a
	105 N @4-5 Leaf + 14d						
9	70 N @4-5 Leaf	210	99.3 a	88.3 a	40.5 a	23.60 a	9370 a
	70 N @4-5 Leaf + 14d						
	70 N @4-5 Leaf + 21d						
LSD P=.05			0.93	0.93	2.68	1.193	1905.0
Standard Deviation			0.64	0.64	1.84	0.813	1299.1
CV			0.65	0.73	4.68	3.55	13.44
Treatment F			8.455	8.455	1.301	1.988	0.778
Treatment Prob(F)			0.0001	0.0001	0.2897	0.0966	0.6265

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Agronomic Response of RT7521FP to Nitrogen Application Rate and Timing in Furrow Irrigated Rice

Experiment number	25-CS-10
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station (South Unit)
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	NA
pH	5.62
Extractable nutrients (ppm)	Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6
Crop/Variety	Rice / RT 7521 FP
Planting method/date	Drill seeded / March 26
Seeding rate/depth	10 seeds /ft ² / 1 inch
Emergence date	April 6
Harvest date	August 4
Seed treatment/cwt	Hybrids:
	Apron (fungicide)
	Dynasty (fungicide)
	Fludioxonil (fungicide)(Maxim)
	Gibberellic Acid
	Vibrance
	Zinc
	Cruiser
	AV-1011 (bird repellent) – 18.3 oz
Fertilization	250 lb/A 0-24-24-2.8, March 26
Water management	Underground irrigation
First Water	April 23
Added Water	May 15, June 4, 10, 23, July 2, 9, 16, 23.
Drain	NA
Pest management	
Herbicides	1 qt/A Glyphosate, March 12
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26
	3 qt/A Propanil + 0.33 oz/A Permit, April 21
	4 qt/A Propanil + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
Insecticides	No blanket applications
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 70. Agronomic response of RT7521FP for N application rate and timing in furrow Irrigated Rice. H. Rouse Caffey Rice Research Station 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/29/2025	Rice 7/29/2025	Rice 7/29/2025	Rice 7/29/2025	Rice 7/29/2025
			50% HD days Main	50% HD days Main	Height in Main	Lodge % plot Main	Lodge rate (1-5) Main	Moist % Main	Yield lb/A Main
Trt No.	Treatment Name	Total N (lb N/A)							
1	90 N @ 4-5 Leaf	90	94.3 e	83.3 e	44.0 a	0.0 a	0.0 a	14.98 c	9568 a
2	120 N @ 4-5 Leaf	120	95.5 d	84.5 d	45.5 a	0.0 a	0.0 a	15.53 bc	10032 a
								ab	
3	150 N @4-5 Leaf	150	96.3 bcd	85.3 bcd	45.5 a	0.0 a	0.0 a	15.85 c	10033 a
4	75 N @ 4-5 Leaf	150	95.8 cd	84.8 cd	44.3 a	0.0 a	0.0 a	16.00 ab	10333 a
	75 N @4-5 Leaf+14d								
5	50 N @ 4-5 Leaf	150	94.0 e	83.0 e	45.3 a	0.0 a	0.0 a	15.23 bc	10681 a
	50 N @4-5 Leaf+14d								
	50 N @4-5 Leaf+21d								
6	180 N @4-5 Leaf	180	97.0 b	86.0 b	44.0 a	0.0 a	0.0 a	16.13 ab	10232 a
7	210 N @4-5 Leaf	210	98.0 a	87.0 a	44.0 a	0.0 a	0.0 a	16.10 ab	10313 a
8	105 N @4-5 Leaf	210	97.0 b	86.0 b	45.0 a	10.0 a	0.3 a	16.48 a	10070 a
	105 N @4-5 Leaf+14d								
9	70 N @4-5 Leaf	210	96.5 bc	85.5 bc	44.0 a	12.5 a	0.8 a	16.50 a	10193 a
	70 N @4-5 Leaf+14d								
	70 N @4-5 Leaf+21d								
LSD P=.05			0.98	0.98	2.02	14.59	0.74	0.944	776.3
Standard Deviation			0.67	0.67	1.38	10.00	0.51	0.647	532.0
CV			0.7	0.79	3.1	400.0	456.21	4.08	5.23
Treatment F			15.154	15.154	0.985	1.000	1.000	2.668	1.277
Treatment Prob(F)			0.0001	0.0001	0.4712	0.4613	0.4613	0.0299	0.3011

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for DG563PVL

Experiment number	25-CM-30
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / DG563PVL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties: Apron (fungicide) – 8.88 ml Maxim (fungicide) – 0.88 ml Release (gibberellic acid) – 10 g Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml AV-1011 (bird repellent) – 18.3 oz Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11 150 lb N/A 46-0-0, April 29 90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25 1 qt/A Glyphosate, March 3 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10 20 oz/A Clincher + 1 qt/A Crop oil, April 25 1 qt/A Prowl + 1.5 oz/A Gambit, April 28 1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8 25 oz/A Elegia, June 18

Table 71. Evaluation of seeding rate and plant population in a stale seedbed for DG563PVL. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/4/2025			7/21/2025	7/21/2025	7/21/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6lb/A)	3.00 d	102.0 a	88.0 a	35.8 b	22.20 a	7391 b
2	10 seed/ft2 (22.3 lb/A)	3.56 d	102.0 a	88.0 a	37.3 ab	22.23 a	8231 a
3	15 seed/ft2 (34.9 lb/A)	6.04 cd	101.0 a	87.0 a	38.3 a	22.23 a	8104 a
4	20 seed/ft2 (46.6 lb/A)	8.44 c	101.0 a	87.0 a	37.3 ab	21.98 a	8590 a
5	30 seed/ft2 (69.9 lb/A)	12.45 b	101.0 a	87.0 a	35.8 b	21.55 a	8125 a
6	40 seed/ft2 (93.1 lb/A)	17.14 a	101.0 a	87.0 a	38.5 a	21.25 a	8361 a
LSD P=.05		3.058	N/A	N/A	2.02	1.056	627.0
Standard Deviation		2.029	0.00	0.00	1.34	0.701	416.0
CV		24.05	0.0	0.0	3.61	3.2	5.11
Treatment F		29.324	N/A	N/A	3.102	1.388	3.801
Treatment Prob(F)		0.0001	N/A	N/A	0.0405	0.2840	0.0201

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for DG543PVL (23DGL001PV)

Experiment number	25-CM-31
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 23DGL001PV (DG543PVL)
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 31
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties: Apron (fungicide) – 8.88 ml Maxim (fungicide) – 0.88 ml Release (gibberellic acid) – 10 g Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml AV-1011 (bird repellent) – 18.3 oz Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11 150 lb N/A 46-0-0, April 29 90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25 1 qt/A Glyphosate, March 3 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10 20 oz/A Clincher + 1 qt/A Crop oil, April 25 1 qt/A Prowl + 1.5 oz/A Gambit, April 28 1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8 25 oz/A Elegia, June 18

Table 72. Evaluation of seeding rate and plant population in a stale seedbed for DG543PVL (23DGL001PV). H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage		Rice Rice Density 4/4/2025 Stand Count #/sq ft. Main	Rice Plant - HD 50% HD days Main	Rice Emer - HD 50% HD days Main	Rice Tip of Panicle 7/21/2025 Height in Main	Rice Grain 7/21/2025 Moisture % Main	Rice 7/21/2025 Yield lb/A Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6 lb/A)	0.45 c	95.3 a	81.3 a	32.8 a	18.73 a	5467 d
2	10 seed/ft2 (22.3 lb/A)	0.71 c	95.0 a	81.0 a	33.0 a	18.45 a	7077 bc
3	15 seed/ft2 (34.9 lb/A)	1.50 bc	94.3 b	80.3 b	33.3 a	18.50 a	6774 c
4	20 seed/ft2 (46.6 lb/A)	2.03 b	94.0 b	80.0 b	35.0 a	18.23 a	7804 a
5	30 seed/ft2 (69.9 lb/A)	2.06 b	94.0 b	80.0 b	33.5 a	18.03 a	7510 ab
6	40 seed/ft2 (93.1 lb/A)	3.23 a	93.8 b	79.8 b	33.8 a	18.15 a	7613 ab
LSD P=.05		1.110	0.72	0.72	1.87	0.740	554.5
Standard Deviation		0.736	0.48	0.48	1.24	0.491	367.9
CV		44.28	0.51	0.6	3.7	2.68	5.23
Treatment F		7.575	6.398	6.398	1.649	1.109	21.726
Treatment Prob(F)		0.0010	0.0023	0.0023	0.2076	0.3966	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for DG273L (23DGL070)

Experiment number	25-CM-32
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station / Nutrien
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 23DGL070 (DG273L)
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 73. Evaluation of seeding rate and plant population in a stale seedbed for DG273L (23DGL070). H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date	4/4/2025			7/21/2025	7/21/2025	10/29/2025	
Rating Type	Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit	#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage	Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name						
1	5 seed/ft ² (11.6 lb/A)	3.08 d	95.8 a	81.8 a	35.8 a	9270 a	2182 b
2	10 seed/ft ² (22.3 lb/A)	7.54 c	95.3 ab	81.3 ab	37.0 a	9702 a	2523 ab
3	15 seed/ft ² (34.9 lb/A)	8.51 c	94.8 bc	80.8 bc	35.3 a	10001 a	2512 ab
4	20 seed/ft ² (46.6 lb/A)	12.79 b	94.0 cd	80.0 cd	37.8 a	10150 a	2415 ab
5	30 seed/ft ² (69.9 lb/A)	16.39 b	93.8 de	79.8 de	36.3 a	9800 a	2757 a
6	40 seed/ft ² (93.1 lb/A)	22.99 a	93.0 e	79.0 e	36.3 a	10114 a	2643 a
LSD P=.05		4.105	0.79	0.79	2.97	671.9	344.9
Standard Deviation		2.723	0.53	0.53	1.97	445.8	228.8
CV		22.92	0.56	0.66	5.42	4.53	9.13
Treatment F		27.207	15.000	15.000	0.817	2.186	2.982
Treatment Prob(F)		0.0001	0.0001	0.0001	0.5560	0.1104	0.0459

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for CLHA03

Experiment number: 25-CM-33

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: 1.47

pH: 6.64

Extractable nutrients (ppm): Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2

Crop/Variety: Rice / CLHA03

Planting method/date: Drill seeded / March 10

Seeding rate/depth: 5, 10, 15, 20, 30, 40 seeds /ft² / 1 inch

Emergence date: March 24

Harvest date: July 21

Ratoon Harvest date: October 31

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 11

 150 lb N/A 46-0-0, April 29

 90 lb N/A 46-0-0, July 23*

Water management: Underground irrigation

Flush: By Rainfall

Flood: April 30

Drain: July 11

Ratoon flood: July 28

Ratoon drain: October 8

Pest management:

Herbicides: 1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25

 1 qt/A Glyphosate, March 3

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10

 20 oz/A Clincher + 1 qt/A Crop oil, April 25

 1 qt/A Prowl + 1.5 oz/A Gambit, April 28

 1 qt/A 2,4-D + 8 oz/A Verifact, August 7

Insecticides: None

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 74. Evaluation of seeding rate and plant population in a stale seedbed for CLHA03. H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date	4/4/2025			7/21/2025	7/21/2025	10/29/2025	
Rating Type	Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit	#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage	Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name						
1	5 seed/ft ² (11.6 lb/A)	2.70 d	98.0 a	84.0 a	36.8 a	8292 b	1865 a
2	10 seed/ft ² (22.3 lb/A)	4.58 cd	96.0 a	82.0 a	38.0 a	10106 a	1842 a
3	15 seed/ft ² (34.9 lb/A)	7.31 c	96.0 a	82.0 a	37.8 a	10232 a	1716 a
4	20 seed/ft ² (46.6 lb/A)	10.61 b	96.0 a	82.0 a	37.3 a	10338 a	1764 a
5	30 seed/ft ² (69.9 lb/A)	13.43 b	96.0 a	82.0 a	38.3 a	10510 a	1984 a
6	40 seed/ft ² (93.1 lb/A)	19.76 a	96.0 a	82.0 a	38.5 a	10389 a	1995 a
LSD P=.05	2.862	N/A	N/A	1.85	590.4	476.1	749.7
Standard Deviation	1.899	0.00	0.00	1.22	391.7	149.6	235.6
CV	19.51	0.0	0.0	3.24	3.93	8.03	1.92
Treatment F	43.698	N/A	N/A	1.133	18.266	1.257	5.031
Treatment Prob(F)	0.0001	N/A	N/A	0.3852	0.0001	0.4532	0.1070

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for PVL04

Experiment number	25-CM-34
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / PVL04
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 22
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 75. Evaluation of seeding rate and plant population in a stale seedbed for PVL04. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/4/2025			7/21/2025	7/21/2025	7/21/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6 lb/A)	1.16 d	103.0 a	89.0 a	37.5 a	19.55 a	6605 c
2	10 seed/ft2 (22.3 lb/A)	4.28 cd	102.0 a	88.0 a	41.5 a	19.88 a	8415 b
3	15 seed/ft2 (34.9 lb/A)	4.69 cd	101.0 a	87.0 a	40.3 a	19.70 a	9086 ab
4	20 seed/ft2 (46.6 lb/A)	6.53 c	101.0 a	87.0 a	39.0 a	19.53 a	9800 a
5	30 seed/ft2 (69.9 lb/A)	10.35 b	101.0 a	87.0 a	39.0 a	19.50 a	9669 a
6	40 seed/ft2 (93.1 lb/A)	14.89 a	99.0 a	85.0 a	40.0 a	19.58 a	9848 a
LSD P=.05		3.618	N/A	N/A	2.76	0.754	779.3
Standard Deviation		2.400	0.00	0.00	1.83	0.500	517.1
CV		34.38	0.0	0.0	4.63	2.55	5.81
Treatment F		16.734	N/A	N/A	2.220	0.326	23.445
Treatment Prob(F)		0.0001	N/A	N/A	0.1063	0.8898	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Taurus

Experiment number	25-CM-35
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Taurus
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 76. Evaluation of seeding rate and plant population in a stale seedbed for Taurus. H. Rouse Caffey Rice Research Station, 2025.

Table 76. Evaluation of seeding rate and plant population in a state seedbed for Taurus. H. Rouse Caffey Rice Research Station, 2025.							
Crop Name		Rice	Rice	Rice	Rice	Rice	
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/4/2025			7/21/2025	7/21/2025	7/21/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6 lb/A)	3.00 d	98.0 a	84.0 a	32.3 a	18.28 a	8618 d
2	10 seed/ft2 (22.3 lb/A)	5.59 d	97.0 a	83.0 a	34.3 a	18.65 a	9863 c
3	15 seed/ft2 (34.9 lb/A)	8.85 c	97.0 a	83.0 a	33.5 a	18.83 a	10059 bc
4	20 seed/ft2 (46.6 lb/A)	11.29 c	97.0 a	83.0 a	34.0 a	18.83 a	10434 ab
5	30 seed/ft2 (69.9 lb/A)	15.23 b	97.0 a	83.0 a	34.8 a	18.95 a	10502 ab
6	40 seed/ft2 (93.1 lb/A)	20.74 a	96.0 a	82.0 a	35.5 a	18.80 a	10730 a
LSD P=.05		3.096	N/A	N/A	2.24	0.729	497.3
Standard Deviation		2.054	0.00	0.00	1.49	0.484	330.0
CV		19.06	0.0	0.0	4.37	2.58	3.29
Treatment F		39.876	N/A	N/A	2.238	0.972	21.294
Treatment Prob(F)		0.0001	N/A	N/A	0.1041	0.4661	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Venus

Experiment number	25-CM-36
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Venus
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 77. Evaluation of seeding rate and plant population in a stale seedbed for Venus. H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date	4/4/2025			7/21/2025	7/21/2025	10/29/2025	
Rating Type	Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit	#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage	Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name						
1	5 seed/ft ² (11.6 lb/A)	2.59 e	98.3 a	84.3 a	36.8 a	7179 c	9334 c
2	10 seed/ft ² (22.3 lb/A)	3.83 de	98.0 ab	84.0 ab	37.3 a	8446 b	10637 b
3	15 seed/ft ² (34.9 lb/A)	6.38 cd	97.3 bc	83.3 bc	39.3 a	8954 ab	11301 ab
4	20 seed/ft ² (46.6 lb/A)	9.04 c	97.0 c	83.0 c	39.3 a	9244 ab	11338 ab
5	30 seed/ft ² (69.9 lb/A)	12.15 b	97.3 bc	83.3 bc	39.8 a	9464 a	11588 ab
6	40 seed/ft ² (93.1 lb/A)	17.44 a	97.0 c	83.0 c	38.8 a	9618 a	11828 a
LSD P=.05	2.880	0.76	0.76	2.21	901.2	316.5	908.8
Standard Deviation	1.911	0.50	0.50	1.46	598.0	200.9	576.8
CV	22.3	0.52	0.6	3.8	6.78	9.56	5.14
Treatment F	33.920	4.516	4.516	2.751	9.133	0.630	4.878
Treatment Prob(F)	0.0001	0.0104	0.0104	0.0588	0.0004	0.6815	0.0161

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Fitzgerald

Experiment number	25-CM-37
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / Fitzgerald
Planting method/date	Drill seeded / March 10
Seeding rate/depth	5, 10, 15, 20, 30, 40 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 78. Evaluation of seeding rate and plant population in a stale seedbed for Fitzgerald. H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date	4/4/2025			7/21/2025	7/21/2025	10/29/2025	
Rating Type	Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit	#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage	Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6 lb/A)	2.29 e	96.3 a	82.3 a	35.0 a	6757 d	8383 d
2	10 seed/ft2 (22.3 lb/A)	5.21 de	95.3 b	81.3 b	35.8 a	8093 c	9913 c
3	15 seed/ft2 (34.9 lb/A)	7.73 cd	94.3 c	80.3 c	36.8 a	9246 b	11077 bc
4	20 seed/ft2 (46.6 lb/A)	10.76 bc	94.3 c	80.3 c	36.3 a	9993 ab	11984 ab
5	30 seed/ft2 (69.9 lb/A)	13.16 b	94.3 c	80.3 c	37.0 a	9767 ab	11700 ab
6	40 seed/ft2 (93.1 lb/A)	19.28 a	94.0 c	80.0 c	37.5 a	10400 a	12624 a
LSD P=.05		3.149	0.63	0.63	2.47	1140.8	1377.9
Standard Deviation		2.089	0.42	0.42	1.64	756.9	914.2
CV		21.46	0.44	0.52	4.5	8.37	8.35
Treatment F		33.675	17.381	17.381	1.224	13.175	11.595
Treatment Prob(F)		0.0001	0.0001	0.0001	0.3456	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 211L1008

Experiment number	25-CM-38
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 211L1008
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 79. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 211L1008. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage		Rice Rice Density 4/4/2025 Stand Count #/sq ft. Main	Rice Plant - HD 50% HD days Main	Rice Emer - HD 50% HD days Main	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC + RC
Trt No.	Treatment Name							
1	15 Seeds/ft2 (34.9 lb/A)	6.54 b	92.0 a	78.0 a	39.5 a	9860 a	2027 a	11863 a
2	25 Seeds/ft2 (58.2 lb/A)	11.33 a	92.0 a	78.0 a	39.8 a	10399 a	1926 a	12396 a
3	35 Seeds/ft2 (81.5 lb/A)	13.61 a	91.0 a	77.0 a	37.8 a	10193 a	2000 a	12193 a
LSD P=.05		2.504	N/A	N/A	2.87	388.7	1250.4	2865.0
Standard Deviation		1.378	0.00	0.00	1.66	213.9	139.2	318.9
CV		12.41	0.0	0.0	4.25	2.09	6.77	2.58
Treatment F		17.237	N/A	N/A	1.727	2.930	2.209	1.321
Treatment Prob(F)		0.0057	N/A	NaN	0.2556	0.1438	0.4296	0.5240

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 201L1251

Experiment number	25-CM-39
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 201L1251
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 80. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 201L1251. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle		
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon
Trt							
No.		Treatment Name					
1		15 Seeds/ft ² (34.9 lb/A)	5.95 b	97.5 a	83.5 a	37.3 a	10810 a
2		25 Seeds/ft ² (58.2 lb/A)	11.59 a	97.3 a	83.3 a	38.5 a	10837 a
3		35 Seeds/ft ² (81.5 lb/A)	12.26 a	97.0 a	83.0 a	37.8 a	10886 a
LSD P=.05			2.501	0.64	0.64	3.42	544.9
Standard Deviation			1.376	0.37	0.37	1.98	299.8
CV			13.03	0.38	0.45	5.23	2.75
Treatment F			14.794	1.800	1.800	0.404	0.238
Treatment Prob(F)			0.0079	0.2441	0.2441	0.6844	0.7964

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line RU1902034CLL

Experiment number	25-CM-40
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / RU1902034 CL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 81. Evaluation of seeding rate and plant population in a stale seedbed for experimental line RU1902034CLL. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage		Rice Rice Density 4/4/2025 Stand Count #/sq ft. Main	Rice Plant - HD 50% HD days Main	Rice Emer - HD 50% HD days Main	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC + RC
Trt No.	Treatment Name							
1	15 Seeds/ft ² (34.9 lb/A)	8.74 c	92.0 a	78.0 a	38.5 a	10997 a	1841 a	12883 a
2	25 Seeds/ft ² (58.2 lb/A)	13.16 b	92.0 a	78.0 a	39.0 a	10986 a	1836 a	12908 a
3	35 Seeds/ft ² (81.5 lb/A)	16.43 a	92.0 a	78.0 a	36.5 a	10832 a	2032 a	12918 a
LSD P=.05		2.067	N/A	N/A	3.31	231.7	2904.1	3842.1
Standard Deviation		1.137	0.00	0.00	1.91	127.5	279.9	370.3
CV		8.63	0.0	0.0	5.04	1.16	14.12	2.86
Treatment F		37.519	N/A	N/A	1.909	3.242	0.094	0.027
Treatment Prob(F)		0.0010	N/A	N/A	0.2282	0.1251	0.9172	0.9741

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line RU2102222 CL

Experiment number	25-CM-41
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / RU2102222 CL
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 82. Evaluation of seeding rate and plant population in a stale seedbed for experimental line RU2102222CL. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage		Rice Rice Density 4/4/2025 Stand Count #/sq ft. Main	Rice Plant - HD 50% HD days Main	Rice Emer - HD 50% HD days Main	Rice Tip of Panicle 7/21/2025 Height in Main	Rice 7/21/2025 Yield lb/A Main	Rice 10/31/2025 Yield lb/A Ratoon	Rice Total Yield lb/A MC + RC
Trt No.	Treatment Name							
1	15 Seeds/ft ² (34.9 lb/A)	8.69 c	98.3 a	84.3 a	35.8 a	9308 a	1921 a	10949 a
2	25 Seeds/ft ² (58.2 lb/A)	11.74 b	98.5 a	84.5 a	36.5 a	9152 a	2120 a	11117 a
3	35 Seeds/ft ² (81.5 lb/A)	15.34 a	98.0 a	84.0 a	37.8 a	9438 a	2050 a	11487 a
LSD P=.05		2.710	0.74	0.74	1.98	537.1	692.1	1095.2
Standard Deviation		1.491	0.41	0.41	1.14	295.5	307.6	486.7
CV		12.12	0.42	0.48	3.12	3.18	14.32	4.26
Treatment F		15.941	1.909	1.909	3.128	0.945	0.387	0.083
Treatment Prob(F)		0.0068	0.2421	0.2421	0.1173	0.4487	0.7088	0.9227

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for PVL05 (213L1140 PV)

Experiment number	25-CM-42
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 213L1140PV (PVL05)
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 83. Evaluation of seeding rate and plant population in a stale seedbed for PVL05. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/4/2025			7/21/2025	7/21/2025	7/21/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	15 Seeds/ft ² (34.9 lb/A)	3.86 b	92.6 a	78.6 a	37.8 a	16.55 a	9992 a
2	25 Seeds/ft ² (58.2 lb/A)	7.80 a	92.0 a	78.0 a	37.3 a	16.03 a	10211 a
3	35 Seeds/ft ² (81.5 lb/A)	8.48 a	92.3 a	78.3 a	38.0 a	16.20 a	10336 a
LSD P=.05		3.004	2.49	2.49	3.07	1.195	230.1
Standard Deviation		1.653	1.37	1.37	1.77	0.657	126.6
CV		23.3	1.49	1.75	4.7	4.06	1.24
Treatment F		6.050	0.042	0.042	0.186	0.234	3.883
Treatment Prob(F)		0.0462	0.9588	0.9588	0.8350	0.7997	0.0960

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 211L1331

Experiment number	25-CM-43
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 211L1331
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 84. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 211L1331. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle		
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon
Trt							
No.		Treatment Name					
1		15 Seeds/ft ² (34.9 lb/A)	4.13 b	102.0 a	88.0 a	39.8 a	8701 a
2		25 Seeds/ft ² (58.2 lb/A)	7.28 a	102.0 a	88.0 a	41.3 a	8669 a
3		35 Seeds/ft ² (81.5 lb/A)	8.78 a	101.0 a	87.0 a	40.5 a	8846 a
LSD P=.05			2.816	N/A	N/A	2.46	730.5
Standard Deviation			1.549	0.00	0.00	1.42	401.9
CV			21.97	0.0	0.0	3.52	4.6
Treatment F			6.747	N/A	N/A	1.110	0.223
Treatment Prob(F)			0.0380	N/A	N/A	0.3890	0.8078
							0.5123
							0.3361

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 222L1082

Experiment number	25-CM-44
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 222L1082
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 85. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 222L1082. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle		
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon
Trt							
No.		Treatment Name					
1		15 Seeds/ft ² (34.9 lb/A)	7.15 b	92.0 a	78.0 a	40.5 a	10782 a
2		25 Seeds/ft ² (58.2 lb/A)	10.39 ab	92.0 a	78.0 a	42.3 a	11067 a
3		35 Seeds/ft ² (81.5 lb/A)	12.11 a	92.0 a	78.0 a	41.0 a	11149 a
LSD P=.05		2.968	N/A	N/A	2.90	364.2	199.6
Standard Deviation		1.633	0.00	0.00	1.67	200.4	109.8
CV		16.07	0.0	0.0	4.06	1.82	4.94
Treatment F		7.661	N/A	N/A	1.158	2.266	0.858
Treatment Prob(F)		0.0300	N/A	N/A	0.3755	0.1993	0.4782

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 222L1139

Experiment number	25-CM-45
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type: Crowley silt loam	
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety: Rice / 223L1139	
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt: Conventional Varieties:	
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization: 250 lb/A 0-24-24-2.8, March 11	
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management: Underground irrigation	
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 86. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 222L1139. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle		
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon
Trt	Treatment						
No.	Name						
1	15 Seeds/ft ² (34.9 lb/A)	4.03 c	96.0 a	82.0 a	38.5 a	9812 b	2257 a
2	25 Seeds/ft ² (58.2 lb/A)	8.66 b	96.0 a	82.0 a	40.3 a	10568 a	2275 a
3	35 Seeds/ft ² (81.5 lb/A)	12.30 a	95.0 a	81.0 a	38.5 a	10587 a	2465 a
LSD P=.05		2.207	N/A	N/A	3.30	279.3	466.0
Standard Deviation		1.214	0.00	0.00	1.91	153.7	237.4
CV		13.49	0.0	0.0	4.88	1.48	9.81
Treatment F		30.794	N/A	N/A	1.122	16.504	1.824
Treatment Prob(F)		0.0015	N/A	N/A	0.3855	0.0063	0.2736
Treatment Prob(F)							0.0415

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 223L1236

Experiment number	25-CM-46
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 223L1236
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 87. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 223L1236. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt	Treatment							
No.	Name							
1	15 Seeds/ft2 (34.9 lb/A)	7.19 b	91.0 a	77.0 a	40.5 a	9587 a	2678 b	12310 a
2	25 Seeds/ft2 (58.2 lb/A)	14.14 a	91.0 a	77.0 a	45.0 a	9852 a	2942 a	12794 a
3	35 Seeds/ft2 (81.5 lb/A)	15.49 a	91.0 a	77.0 a	42.3 a	9599 a	2796 ab	12395 a
LSD P=.05		4.012	N/A	N/A	4.25	451.9	181.1	439.4
Standard Deviation		2.207	0.00	0.00	2.46	248.6	104.7	241.8
CV		16.69	0.0	0.0	5.77	2.56	3.73	1.92
Treatment F		7.941	N/A	N/A	3.415	1.107	6.375	2.736
Treatment Prob(F)		0.0281	N/A	N/A	0.1023	0.3999	0.0328	0.1575

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 19T-176-CONV-36

Experiment number	25-CM-47
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 19T-176-CONV-36
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 88. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 19T-176-CONV-36. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt	Treatment							
No.	Name							
1	15 Seeds/ft2 (34.9 lb/A)	6.44 a	99.7 a	85.7 a	41.3 a	9512 a	2670 a	12182 a
2	25 Seeds/ft2 (58.2 lb/A)	10.88 a	99.3 a	85.3 a	44.5 a	9778 a	3109 a	12888 a
3	35 Seeds/ft2 (81.5 lb/A)	12.26 a	99.5 a	85.5 a	43.8 a	9795 a	3020 a	12815 a
LSD P=.05		5.147	0.74	0.74	4.83	485.8	329.2	680.3
Standard Deviation		2.831	0.40	0.40	2.79	267.3	181.1	374.3
CV		26.83	0.41	0.47	6.47	2.74	5.99	2.93
Treatment F		2.122	0.393	0.393	1.484	0.183	1.079	0.593
Treatment Prob(F)		0.2152	0.6942	0.6942	0.2995	0.8381	0.4078	0.5874

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line 19T-176-CONV-38

Experiment number	25-CM-48
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / 19T-176-CONV-38
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 89. Evaluation of seeding rate and plant population in a stale seedbed for experimental line 19T-176-CONV-38. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt	Treatment							
No.	Name							
1	15 Seeds/ft2 (34.9 lb/A)	7.29 c	96.1 a	82.1 a	39.5 a	10126 a	2938 a	13064 a
2	25 Seeds/ft2 (58.2 lb/A)	10.99 b	96.0 a	82.0 a	40.8 a	10279 a	3325 a	13604 a
3	35 Seeds/ft2 (81.5 lb/A)	13.99 a	96.3 a	82.3 a	41.5 a	9927 a	3035 a	12962 a
LSD P=.05		2.409	0.50	0.50	2.93	854.3	494.2	1273.8
Standard Deviation		1.326	0.27	0.27	1.69	470.0	271.9	700.8
CV		11.64	0.29	0.33	4.17	4.64	8.5	5.26
Treatment F		15.244	1.061	1.061	1.427	0.587	1.217	0.887
Treatment Prob(F)		0.0075	0.4131	0.4131	0.3112	0.5901	0.3711	0.4682

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for Experimental Line MP6-295

Experiment number	25-CM-49
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / MP6_295
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 90. Evaluation of seeding rate and plant population in a stale seedbed for experimental line MP6-295. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt	Treatment							
No.	Name							
1	15 Seeds/ft2 (34.9 lb/A)	5.35 a	98.0 a	84.0 a	37.0 a	9374 a	2434 a	11808 a
2	25 Seeds/ft2 (58.2 lb/A)	11.96 a	97.8 a	83.8 a	38.0 a	9436 a	2369 a	11805 a
3	35 Seeds/ft2 (81.5 lb/A)	13.54 a	97.5 a	83.5 a	37.8 a	8664 a	2291 a	10955 a
LSD P=.05		5.650	1.19	1.19	1.98	1290.8	575.3	1501.3
Standard Deviation		3.109	0.66	0.66	1.14	710.2	316.5	825.9
CV		27.97	0.67	0.78	3.04	7.8	13.39	7.2
Treatment F		4.321	0.150	0.150	0.830	1.263	0.235	1.223
Treatment Prob(F)		0.0813	0.8648	0.8648	0.4807	0.3597	0.7992	0.3694

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for CLM05

Experiment number	25-CM-50
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / CLM05
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 91. Evaluation of seeding rate and plant population in a stale seedbed for CLM05. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name							
1	15 Seeds/ft2 (34.9 lb/A)	10.14 b	101.0 a	87.0 a	37.3 a	9799 a	2428 a	12316 a
2	25 Seeds/ft2 (58.2 lb/A)	14.29 ab	101.0 a	87.0 a	37.5 a	9665 a	2665 a	12330 a
3	35 Seeds/ft2 (81.5 lb/A)	19.05 a	101.0 a	87.0 a	37.5 a	9685 a	2663 a	12490 a
LSD P=.05		5.180	N/A	N/A	3.86	806.5	469.6	1107.9
Standard Deviation		2.850	0.00	0.00	2.23	358.4	271.4	492.3
CV		18.74	0.0	0.0	5.96	3.68	10.5	3.96
Treatment F		6.665	N/A	N/A	0.017	0.132	1.009	0.194
Treatment Prob(F)		0.0389	N/A	N/A	0.9834	0.8809	0.4191	0.8333

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate in a Stale Seedbed Tillage System for PVL06

Experiment number	25-CM-51
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.47
pH	6.64
Extractable nutrients (ppm)	Ca-1,553; Cu-1.67; Mg-307; P-43; K-69.9; Na-140; S-8.9; Zn-10.2
Crop/Variety	Rice / PVL06
Planting method/date	Drill seeded / March 10
Seeding rate/depth	15, 25, 35 seeds /ft ² / 1 inch
Emergence date	March 24
Harvest date	July 21
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 29
	90 lb N/A 46-0-0, July 23*
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 11
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 92. Evaluation of seeding rate and plant population in a stale seedbed for PVL06. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle			
Rating Date		4/4/2025			7/21/2025	7/21/2025	10/31/2025	
Rating Type		Stand Count	50% HD	50% HD	Height	Yield	Yield	Total Yield
Rating Unit		#/sq ft.	days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Main	Ratoon	MC + RC
Trt No.	Treatment Name							
1	15 Seeds/ft2 (34.9 lb/A)	8.813 c	93.0 a	79.0 a	38.8 a	10143 a	1896 a	12761 a
2	25 Seeds/ft2 (58.2 lb/A)	13.350 b	93.0 a	79.0 a	38.0 a	10795 a	2049 a	12845 a
3	35 Seeds/ft2 (81.5 lb/A)	17.888 a	93.0 a	79.0 a	38.5 a	10280 a	2193 a	12358 a
LSD P=.05		2.2347	N/A	N/A	2.90	1358.0	501.2	2157.3
Standard Deviation		1.2916	0.00	0.00	1.67	784.9	222.7	958.6
CV		9.67	0.0	0.0	4.36	7.54	10.58	7.52
Treatment F		49.370	N/A	N/A	0.208	0.768	0.848	0.179
Treatment Prob(F)		0.0002	N/A	N/A	0.8179	0.5045	0.5107	0.8443

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for DG563PVL in a Stale Seedbed Tillage System

Experiment number : 25-SJ-30

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / DG563PVL

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain..... : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 93. Evaluation of seeding rate and plant population in a stale seedbed for DG563PVL. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	94.3 a	85.3 a	31.5 a	18.30 a	5303 c
2	10 seed/ft2 (22.3 lb/A)	94.3 a	85.3 a	32.0 a	16.08 b	5933 bc
3	15 seed/ft2 (34.9 lb/A)	92.5 b	83.5 b	33.3 a	15.08 bc	6659 a
4	20 seed/ft2 (46.6 lb/A)	91.5 bc	82.5 bc	33.0 a	14.28 c	6475 ab
5	30 seed/ft2 (69.9 lb/A)	91.0 bc	82.0 bc	32.0 a	13.78 c	6712 a
6	40 seed/ft2 (93.1 lb/A)	90.5 c	81.5 c	32.5 a	13.85 c	6119 ab
LSD P=.05		1.56	1.56	1.25	1.379	651.1
Standard Deviation		1.04	1.04	0.83	0.915	432.0
CV		1.12	1.25	2.56	6.01	6.97
Treatment F		9.804	9.804	2.587	14.417	6.135
Treatment Prob(F)		0.0003	0.0003	0.0703	0.0001	0.0028

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Experiment number: 25-SJ-31

Site and design:

Location/Cooperator: Tensas Parish / Northeast Research Station

Tillage type: Spring Stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Sharkey clay

% Organic matter: 0.82

pH: 7.87

Extractable nutrients (ppm): Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety: Rice / 23DGL001PV

Planting method/date: Drill seeded / May 20

Seeding rate/depth: See Treatment Name / .75 inch

Emergence date: May 29

Harvest date: September 29

Ratoon Harvest date: NA

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 150 lb N/A 46-0-0, June 26

Water management: Underground irrigation

Flush: May 22, June 5

Flood: June 30

Drain: September 12

Ratoon flood: NA

Ratoon drain: NA

Pest management:

Herbicides: 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

 32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

 3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides: None

Fungicides: None

Table 94. Evaluation of seeding rate and plant population in a stale seedbed for DG543PVL (23DGL001PV). Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle				
Rating Date				9/22/2025			9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Lodge	Lodge	Moisture	Yield
Rating Unit		days	days	in	% plot	rate (1-5)	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main	Main
Trt	Treatment							
No.	Name							
1	5 seed/ft2 (11.6 lb/A)	80.0 a	71.0 a	30.5 a	0.0 a	0.0 c	12.40 a	5233 ab
2	10 seed/ft2 (22.3 lb/A)	80.0 a	71.0 a	32.0 a	0.0 a	0.0 c	11.73 ab	5592 a
3	15 seed/ft2 (34.9 lb/A)	80.0 a	71.0 a	31.8 a	12.5 a	1.0 bc	10.86 bc	5389 a
4	20 seed/ft2 (46.6 lb/A)	80.0 a	71.0 a	30.8 a	30.0 a	1.8 abc	10.24 cd	5224 ab
5	30 seed/ft2 (69.9 lb/A)	80.0 a	71.0 a	30.8 a	35.0 a	2.5 ab	9.49 d	4708 bc
6	40 seed/ft2 (93.1 lb/A)	80.0 a	71.0 a	30.3 a	57.5 a	3.8 a	8.35 e	4210 c
LSD P=.05		N/A	N/A	2.43	40.25	2.34	0.969	634.3
Standard Deviation		0.00	0.00	1.61	26.71	1.55	0.643	420.8
CV		0.0	0.0	5.2	118.7	103.52	6.12	8.32
Treatment F		N/A	N/A	0.769	2.860	3.608	21.196	5.844
Treatment Prob(F)		N/A	N/A	0.5863	0.0523	0.0242	0.0001	0.0034

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for DG273L (23DGL070) in a Stale Seedbed Tillage System

Experiment number	25-SJ-32
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	Underground irrigation
Flood	May 22, June 5
Drain	June 30
Ratoon flood	September 12
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 95. Evaluation of seeding rate and plant population in a stale seedbed for DG273L. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	89.0 b	80.0 b	36.0 a	15.75 a	6740 c
2	10 seed/ft2 (22.3 lb/A)	90.5 a	81.5 a	35.5 a	14.78 ab	7522 a
3	15 seed/ft2 (34.9 lb/A)	90.3 a	81.3 a	35.0 a	14.00 bc	7520 a
4	20 seed/ft2 (46.6 lb/A)	90.0 a	81.0 a	34.5 a	13.15 c	7303 ab
5	30 seed/ft2 (69.9 lb/A)	88.0 c	79.0 c	33.8 a	13.28 c	7399 a
6	40 seed/ft2 (93.1 lb/A)	88.3 c	79.3 c	34.8 a	13.10 c	6837 bc
LSD P=.05		0.57	0.57	1.93	1.068	527.8
Standard Deviation		0.38	0.38	1.28	0.709	350.2
CV		0.43	0.47	3.67	5.06	4.85
Treatment F		31.615	31.615	1.500	9.113	3.893
Treatment Prob(F)		0.0001	0.0001	0.2482	0.0004	0.0184

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding for CLHA03 Rate in a Stale Seedbed Tillage System

Experiment number : 25-SJ-33

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / CLHA03

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain..... : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 96. Evaluation of seeding rate and plant population in a stale seedbed for CLHA03. Northeast Research Station, 2025

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	92.5 a	83.5 a	38.5 a	16.78 a	6322 a
2	10 seed/ft2 (22.3 lb/A)	91.8 a	82.8 a	37.8 a	15.10 b	7083 a
3	15 seed/ft2 (34.9 lb/A)	90.3 b	81.3 b	38.0 a	15.15 b	7266 a
4	20 seed/ft2 (46.6 lb/A)	90.3 b	81.3 b	38.0 a	14.78 bc	7214 a
5	30 seed/ft2 (69.9 lb/A)	90.5 b	81.5 b	36.8 a	14.63 bc	7290 a
6	40 seed/ft2 (93.1 lb/A)	90.3 b	81.3 b	37.5 a	14.35 c	6669 a
LSD P=.05		1.04	1.04	1.89	0.639	911.3
Standard Deviation		0.69	0.69	1.26	0.424	604.6
CV		0.76	0.84	3.33	2.8	8.67
Treatment F		7.884	7.884	0.887	16.443	1.691
Treatment Prob(F)		0.0008	0.0008	0.5136	0.0001	0.1974

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for PVL04 in a Stale Seedbed Tillage System

Experiment number: 25-SJ-34

Site and design

Location/Cooperator: Tensas Parish / Northeast Research Station

Tillage type.....: Spring Stale

Experimental design.....: Randomized complete block

Number of reps: 4

Plot size.....: 4.67 x 16 ft

Row width/rows per plot.....: 8 in / 7

Soil type: Sharkey clay

% Organic matter.....: 0.82

pH.....: 7.87

Extractable nutrients (ppm).....: Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety: Rice / PVL04

Planting method/date: Drill seeded / May 20

Seeding rate/depth.....: See Treatment Name / .75 inch

Emergence date.....: May 29

Harvest date: September 29

Ratoon Harvest date.....: NA

Seed treatment/cwt: **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization: 150 lb N/A 46-0-0, June 26

Water management: Underground irrigation

Flush: May 22, June 5

Flood: June 30

Drain: September 12

Ratoon flood: NA

Ratoon drain: NA

Pest management

Herbicides.....: 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides: None

Fungicides.....: None

Table 97. Evaluation of seeding rate and plant population in a stale seedbed for PVL04. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	95.8 ab	86.8 ab	37.0 a	21.53 a	3482 c
2	10 seed/ft2 (22.3 lb/A)	96.0 a	87.0 a	39.3 a	19.88 b	5080 b
3	15 seed/ft2 (34.9 lb/A)	95.3 bc	86.3 bc	39.5 a	19.13 b	5135 b
4	20 seed/ft2 (46.6 lb/A)	95.8 ab	86.8 ab	40.5 a	17.43 c	6679 a
5	30 seed/ft2 (69.9 lb/A)	95.0 c	86.0 c	39.5 a	16.90 c	7614 a
6	40 seed/ft2 (93.1 lb/A)	94.3 d	85.3 d	40.5 a	16.30 c	7788 a
LSD P=.05		0.64	0.64	3.22	1.478	1168.1
Standard Deviation		0.42	0.42	2.13	0.981	775.0
CV		0.44	0.49	5.42	5.29	13.0
Treatment F		9.375	9.375	1.444	16.617	18.900
Treatment Prob(F)		0.0003	0.0003	0.2654	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Taurus in a Stale Seedbed Tillage System

Experiment number	25-SJ-35
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	May 22, June 5
Flood	June 30
Drain	September 12
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 98. Evaluation of seeding rate and plant population in a stale seedbed for Taurus. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	87.8 a	78.8 a	29.5 a	18.35 a	2694 d
2	10 seed/ft2 (22.3 lb/A)	85.8 b	76.8 b	29.0 a	14.88 b	4213 c
3	15 seed/ft2 (34.9 lb/A)	85.3 b	76.3 b	30.3 a	14.73 b	4558 bc
4	20 seed/ft2 (46.6 lb/A)	85.5 b	76.5 b	30.0 a	13.85 bc	5057 ab
5	30 seed/ft2 (69.9 lb/A)	85.0 b	76.0 b	30.0 a	13.93 b	5372 a
6	40 seed/ft2 (93.1 lb/A)	85.0 b	76.0 b	30.5 a	12.73 c	5122 ab
LSD P=.05		1.01	1.01	1.40	1.162	721.0
Standard Deviation		0.67	0.67	0.93	0.771	478.4
CV		0.79	0.88	3.11	5.23	10.62
Treatment F		9.589	9.589	1.360	24.983	16.800
Treatment Prob(F)		0.0003	0.0003	0.2936	0.0001	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Venus in a Stale Seedbed Tillage System

Experiment number	25-SJ-36
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	Underground irrigation
Flood	May 22, June 5
Drain	June 30
Ratoon flood	September 12
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 99. Evaluation of seeding rate and plant population in a stale seedbed for Venus. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	95.8 a	86.8 a	29.3 a	22.52 a	1965 c
2	10 seed/ft2 (22.3 lb/A)	93.3 b	84.3 b	30.3 a	20.85 b	2595 bc
3	15 seed/ft2 (34.9 lb/A)	90.5 c	81.5 c	30.3 a	20.00 b	2837 bc
4	20 seed/ft2 (46.6 lb/A)	90.8 c	81.8 c	31.0 a	18.43 c	3345 b
5	30 seed/ft2 (69.9 lb/A)	90.3 c	81.3 c	30.5 a	18.13 c	4129 a
6	40 seed/ft2 (93.1 lb/A)	90.3 c	81.3 c	32.3 a	17.35 c	4136 a
LSD P=.05		0.95	0.95	2.37	1.317	769.1
Standard Deviation		0.63	0.63	1.57	0.862	503.4
CV		0.69	0.76	5.15	4.46	15.32
Treatment F		50.958	50.958	1.601	16.891	9.072
Treatment Prob(F)		0.0001	0.0001	0.2199	0.0001	0.0007

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Fitzgerald in a Stale Seedbed Tillage System

Experiment number	25-SJ-37
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	May 22, June 5
Flood	June 30
Drain	September 12
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 100. Evaluation of seeding rate and plant population in a stale seedbed for Fitzgerald. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	5 seed/ft2 (11.6 lb/A)	95.8 a	86.8 a	37.0 a	22.65 a	2840 c
2	10 seed/ft2 (22.3 lb/A)	95.5 a	86.5 a	36.8 a	19.58 b	3443 b
3	15 seed/ft2 (34.9 lb/A)	89.8 b	80.8 b	36.5 a	17.35 c	3689 ab
4	20 seed/ft2 (46.6 lb/A)	90.3 b	81.3 b	36.0 a	16.30 cd	3498 ab
5	30 seed/ft2 (69.9 lb/A)	90.3 b	81.3 b	36.0 a	15.43 cd	4053 a
6	40 seed/ft2 (93.1 lb/A)	90.3 b	81.3 b	36.5 a	15.13 d	3852 ab
LSD P=.05		0.95	0.95	2.74	2.125	593.8
Standard Deviation		0.63	0.63	1.82	1.410	394.0
CV		0.69	0.76	4.99	7.95	11.06
Treatment F		81.671	81.671	0.194	16.865	4.538
Treatment Prob(F)		0.0001	0.0001	0.9601	0.0001	0.0102

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Experimental Line 211L1008 in a Stale Seedbed Tillage System

Experiment number : 25-SJ-38

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / 211L1008

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 101. Evaluation of seeding rate and plant population in a stale seedbed for 211L1008. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	89.0 a	80.0 a	38.5 a	15.05 a	7095 b
2	25 Seeds/ft ² (58.2 lb/A)	89.0 a	80.0 a	37.5 a	14.85 a	7322 ab
3	35 Seeds/ft ² (81.5 lb/A)	89.0 a	80.0 a	38.5 a	14.28 a	7431 a
LSD P=.05		N/A	N/A	1.82	0.821	234.9
Standard Deviation		0.00	0.00	1.05	0.475	135.8
CV		0.0	0.0	2.76	3.22	1.86
Treatment F		N/A	N/A	1.200	2.874	6.363
Treatment Prob(F)		N/A	N/A	0.3644	0.1332	0.0329

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Experimental Line 201L1251 in a Stale Seedbed Tillage System

Experiment number : 25-SJ-39

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / 201L1251

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 102. Evaluation of seeding rate and plant population in a stale seedbed for 201L1251. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	92.0 a	83.0 a	38.3 a	16.03 a	6943 a
2	25 Seeds/ft ² (58.2 lb/A)	92.0 a	83.0 a	37.0 a	15.30 a	7044 a
3	35 Seeds/ft ² (81.5 lb/A)	92.0 a	83.0 a	37.8 a	14.55 a	7637 a
LSD P=.05		N/A	N/A	2.84	2.363	718.8
Standard Deviation		0.00	0.00	1.64	1.366	415.4
CV		0.0	0.0	4.36	8.93	5.76
Treatment F		N/A	N/A	0.588	1.166	3.263
Treatment Prob(F)		N/A	N/A	0.5847	0.3734	0.1099

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for PVL05 in a Stale Seedbed Tillage System

Experiment number	25-SJ-42
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	Underground irrigation
Flood	May 22, June 5
Drain	June 30
Ratoon flood	September 12
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 103. Evaluation of seeding rate and plant population in a stale seedbed for PVL05 (213L1140 PV). Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	94.0 a	85.0 a	39.5 a	14.50 a	7317 b
2	25 Seeds/ft ² (58.2 lb/A)	94.0 a	85.0 a	39.3 a	13.53 ab	7616 ab
3	35 Seeds/ft ² (81.5 lb/A)	94.0 a	85.0 a	38.8 a	12.98 b	7815 a
LSD P=.05		N/A	N/A	2.32	1.145	314.1
Standard Deviation		0.00	0.00	1.34	0.662	181.5
CV		0.0	0.0	3.43	4.84	2.39
Treatment F		N/A	N/A	0.323	5.446	7.633
Treatment Prob(F)		N/A	N/A	0.7358	0.0448	0.0225

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Experimental Line 211L1331 in a Stale Seedbed Tillage System

Experiment number : 25-SJ-43

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / 211L1331

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 104. Evaluation of seeding rate and plant population in a stale seedbed for 211L1331. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	95.0 a	86.0 a	40.5 a	18.60 a	6628 c
2	25 Seeds/ft ² (58.2 lb/A)	95.0 a	86.0 a	39.0 a	16.38 a	7010 b
3	35 Seeds/ft ² (81.5 lb/A)	95.0 a	86.0 a	39.5 a	15.83 a	7373 a
LSD P=.05		N/A	N/A	2.23	2.618	334.7
Standard Deviation		0.00	0.00	1.29	1.513	184.1
CV		0.0	0.0	3.25	8.94	2.6
Treatment F		N/A	N/A	1.400	3.771	9.845
Treatment Prob(F)		N/A	N/A	0.3170	0.0870	0.0185

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for CLM05 in a Stale Seedbed Tillage System

Experiment number	25-SJ-50
Site and design	
Location/Cooperator	Tensas Parish / Northeast Research Station
Tillage type	Spring Stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	0.82
pH	7.87
Extractable nutrients (ppm)	Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3
Crop/Variety	
Planting method/date	Drill seeded / May 20
Seeding rate/depth	See Treatment Name / .75 inch
Emergence date	May 29
Harvest date	September 29
Ratoon Harvest date	NA
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	150 lb N/A 46-0-0, June 26
Water management	
Flush	May 22, June 5
Flood	June 30
Drain	September 12
Ratoon flood	NA
Ratoon drain	NA
Pest management	
Herbicides	1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20
	32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6
	3 qt/A Propanil + 1.5 oz/A Gambit, June 26
Insecticides	None
Fungicides	None

Table 105. Evaluation of seeding rate and plant population in a stale seedbed for CLM05. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	90.0 a	81.0 a	32.5 a	16.15 a	5934 a
2	25 Seeds/ft ² (58.2 lb/A)	90.0 a	81.0 a	33.5 a	16.03 a	5644 a
3	35 Seeds/ft ² (81.5 lb/A)	90.0 a	81.0 a	33.0 a	15.35 a	6086 a
LSD P=.05		N/A	N/A	1.41	1.119	421.4
Standard Deviation		0.00	0.00	0.82	0.647	243.5
CV		0.0	0.0	2.47	4.08	4.14
Treatment F		N/A	N/A	1.500	1.770	3.400
Treatment Prob(F)		N/A	N/A	0.2963	0.2488	0.1030

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for PVL06 in a Stale Seedbed Tillage System

Experiment number : 25-SJ-51

Site and design

Location/Cooperator : Tensas Parish / Northeast Research Station

Tillage type..... : Spring Stale

Experimental design..... : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Sharkey clay

% Organic matter..... : 0.82

pH..... : 7.87

Extractable nutrients (ppm)..... : Ca-4,652; Cu-6.1; Mg-958; P-68; K-308; Na-61; S-40; Zn-3.3

Crop/Variety : Rice / PVL06

Planting method/date : Drill seeded / May 20

Seeding rate/depth..... : See Treatment Name / .75 inch

Emergence date..... : May 29

Harvest date : September 29

Ratoon Harvest date..... : NA

Seed treatment/cwt : **Conventional Varieties:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 150 lb N/A 46-0-0, June 26

Water management : Underground irrigation

Flush : May 22, June 5

Flood : June 30

Drain : September 12

Ratoon flood : NA

Ratoon drain : NA

Pest management

Herbicides..... : 1.5 qt/A Glyphosate + 20 oz/A Command + 2 oz/A Sharpen, May 20

32 oz/A Prowl + 43 oz/A Facet + .66 oz/A Permit, June 6

3 qt/A Propanil + 1.5 oz/A Gambit, June 26

Insecticides : None

Fungicides..... : None

Table 106. Evaluation of seeding rate and plant population in a stale seedbed for PVL06. Northeast Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				9/22/2025	9/29/2025	9/29/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	15 Seeds/ft ² (34.9 lb/A)	94.0 a	85.0 a	36.3 a	17.93 a	6598 a
2	25 Seeds/ft ² (58.2 lb/A)	93.0 b	84.0 b	35.3 a	17.33 a	6668 a
3	35 Seeds/ft ² (81.5 lb/A)	91.8 c	82.8 c	35.8 a	16.65 a	7235 a
LSD P=.05		0.50	0.50	4.47	1.588	713.1
Standard Deviation		0.29	0.29	2.58	0.918	412.2
CV		0.31	0.34	7.22	5.3	6.03
Treatment F		61.000	61.000	0.150	1.933	2.877
Treatment Prob(F)		0.0001	0.0001	0.8638	0.2249	0.1330

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate of Water Seeded Pre-Soaked DG563PVL

Experiment number	25-CM-75
Site and design	:
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / DG563PVL
Planting method/date	Water seeded / March 20
Seeding rate/depth	(25, 40, 55) seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	:
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 107. Evaluation of optimum plant population and seeding rate of water seeded pre-soaked DG563PVL. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				7/21/2025	7/21/2025	7/21/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	25 Seeds/ft2 (60 lb/A)	89.8 a	85.8 a	36.0 a	18.18 a	8767 a
2	40 Seeds/ft2 (90 lb/A)	89.0 a	85.0 a	34.0 b	17.38 a	9419 a
3	55 Seeds/ft2 (120 lb/A)	88.5 a	84.5 a	35.8 a	16.88 a	9995 a
LSD P=.05		1.04	1.04	1.38	1.234	1788.2
Standard Deviation		0.60	0.60	0.80	0.713	1033.5
CV		0.67	0.71	2.27	4.08	11.0
Treatment F		4.385	4.385	7.435	3.380	1.414
Treatment Prob(F)		0.0670	0.0670	0.0238	0.1040	0.3139

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate of Water Seeded Pre-Soaked Venus

Experiment number	25-CM-76
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	
Crop/Variety	Rice / Venus
Planting method/date	Water seeded / March 20
Seeding rate/depth	(25, 40, 55) seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	
Conventional Varieties:	
Apron (fungicide) – 8.88 ml	
Maxim (fungicide) – 0.88 ml	
Release (gibberellic acid) – 10 g	
Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml	
AV-1011 (bird repellent) – 18.3 oz	
Dermacor- 0.137 lb ai/cwt	
Fertilization	
250 lb/A 0-24-24-2.8, March 11	
150 lb N/A 46-0-0, April 15	
90 lb N/A 46-0-0, August 4	
Water management	
Underground irrigation	
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	
1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25	
1 qt/A Glyphosate, March 3	
1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10	
3 qt/A Propanil + 0.66 oz/A Permit, April 15	
20 oz/A Clincher + 1 qt/A Crop oil, April 25	
1 qt/A Prowl + 1.5 oz/A Gambit, April 28	
1 qt/A 2,4-D + 8 oz/A Verifact, August 15	
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 108. Evaluation of optimum plant population and seeding rate of water seeded pre-soaked Venus. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				7/21/2025	7/21/2025	7/21/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	25 Seeds/ft ² (60 lb/A)	88.0 a	84.0 a	36.3 a	20.88 a	7422 a
2	40 Seeds/ft ² (90 lb/A)	88.0 a	84.0 a	36.5 a	21.15 a	8182 a
3	55 Seeds/ft ² (120 lb/A)	87.0 a	83.0 a	36.0 a	20.23 a	8216 a
LSD P=.05		N/A	N/A	1.75	0.890	1684.3
Standard Deviation		0.00	0.00	1.01	0.515	973.5
CV		0.0	0.0	2.8	2.48	12.26
Treatment F		N/A	N/A	0.243	3.409	0.851
Treatment Prob(F)		N/A	N/A	0.7915	0.1026	0.4726

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate of Water Seeded Pre-Soaked CLHA03

Experiment number	25-CM-77
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / CLHA03
Planting method/date	Water seeded / March 20
Seeding rate/depth	(25, 40, 55) seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 109. Evaluation of optimum plant population and seeding rate of water seeded pre-soaked CLHA03. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				7/21/2025	7/21/2025	7/21/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	25 Seeds/ft2 (60 lb/A)	87.0 a	83.0 a	35.5 a	17.35 a	7440 a
2	40 Seeds/ft2 (90 lb/A)	86.0 a	82.0 a	35.5 a	17.83 a	9586 a
3	55 Seeds/ft2 (120 lb/A)	86.0 a	82.0 a	35.5 a	17.13 a	8932 a
LSD P=.05		N/A	N/A	1.82	0.973	2334.3
Standard Deviation		0.00	0.00	1.05	0.562	1349.1
CV		0.0	0.0	2.97	3.23	15.59
Treatment F		N/A	N/A	0.000	1.615	2.658
Treatment Prob(F)		N/A	N/A	1.0000	0.2748	0.1490

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate of Water Seeded Pre-Soaked PVL03

Experiment number	25-CM-78
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	
Planting method/date	Water seeded / March 20
Seeding rate/depth	(25, 40, 55) seeds /ft ² / Surface
Emergence date	NA
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	
	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
	250 lb/A 0-24-24-2.8, March 11
	150 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	
Flush	April 10
Flood	April 16
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	3 qt/A Propanil + 0.66 oz/A Permit, April 15
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 110. Evaluation of optimum plant population and seeding rate of water seeded pre-soaked PVL03. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle		
Rating Date				7/21/2025	7/21/2025	7/21/2025
Rating Type		50% HD	50% HD	Height	Moisture	Yield
Rating Unit		days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main
Trt	Treatment					
No.	Name					
1	25 Seeds/ft ² (60 lb/A)	86.0 a	82.0 a	38.3 a	15.63 a	8181 a
2	40 Seeds/ft ² (90 lb/A)	85.5 a	81.5 a	38.3 a	15.58 a	8794 a
3	55 Seeds/ft ² (120 lb/A)	84.5 b	80.5 b	38.3 a	15.78 a	8704 a
LSD P=.05		0.82	0.82	2.16	0.663	1107.2
Standard Deviation		0.47	0.47	1.25	0.383	639.9
CV		0.55	0.58	3.26	2.45	7.48
Treatment F		10.500	10.500	0.000	0.295	1.069
Treatment Prob(F)		0.0110	0.0110	1.0000	0.7544	0.4007

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for DG563PVL in a Furrow Irrigated Rice System

Experiment number	25-CS-11
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station (South Unit)
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	
Soil type	Crowley silt loam
% Organic matter	NA
pH	5.62
Extractable nutrients (ppm)	Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6
Crop/Variety	
Crop/Variety	Rice / DG563PVL
Planting method/date	Drill seeded / March 26
Seeding rate/depth	See Trt. Sheet / 1 inch
Emergence date	April 6
Harvest date	August 4
Seed treatment/cwt	
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	
Fertilization	250 lb/A 0-24-24-2.8, March 26
	150 lb N/A 46-0-0, May 6*
Water management	
Water management	Underground irrigation
First Water	April 23
Added Water	May 15, June 4, 10, 23, July 2, 9, 16, 23.
Drain	NA
Pest management	
Pest management	
Herbicides	1 qt/A Glyphosate, March 12
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26
	3 qt/A Propanil + 0.33 oz/A Permit, April 21
	4 qt/A Propanil + 1 qt/A Prowl, May 5
	20 oz/A Clincher, May 22
Insecticides	No blanket applications
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 111. Evaluation of optimum plant population and seeding rate in furrow irrigated rice of DG563PVL. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/22/2025			8/4/2025	8/4/2025	8/4/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt	Treatment						
No.	Name						
1	5 seed/ft2 (11.6lb/A)	1.20 d	104.5 a	93.5 a	39.0 a	21.10 a	5640 d
2	10 seed/ft2 (22.3 lb/A)	1.43 d	103.5 a	92.5 a	38.3 a	20.20 a	6399 cd
3	15 seed/ft2 (34.9 lb/A)	4.46 c	101.3 b	90.3 b	38.0 a	20.50 a	7136 bc
4	20 seed/ft2 (46.6 lb/A)	6.00 bc	101.0 b	90.0 b	39.0 a	20.10 a	7630 ab
5	30 seed/ft2 (69.9 lb/A)	7.54 b	99.5 c	88.5 c	39.0 a	19.88 a	7762 ab
6	40 seed/ft2 (93.1 lb/A)	13.54 a	98.8 c	87.8 c	39.3 a	19.33 a	8098 a
LSD P=.05		1.616	1.29	1.29	1.64	1.561	778.0
Standard Deviation		1.073	0.86	0.86	1.09	1.036	516.2
CV		18.84	0.84	0.95	2.8	5.13	7.26
Treatment F		72.997	27.091	27.091	0.849	1.327	13.025
Treatment Prob(F)		0.0001	0.0001	0.0001	0.5364	0.3054	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for CLHA03 in a Furrow Irrigated Rice System

Experiment number: 25-CS-12

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / CLHA03

Planting method/date: Drill seeded / March 26

Seeding rate/depth: See Trt. Sheet / 1 inch

Emergence date: April 6

Harvest date: August 4

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

 150 lb N/A 46-0-0, May 6*

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 112. Evaluation of optimum plant population and seeding rate in furrow irrigated rice of CLHA03. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/22/2025			8/4/2025	8/4/2025	8/4/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6lb/A)	2.93 e	96.3 a	85.3 a	40.8 a	19.70 a	7808 c
2	10 seed/ft2 (22.3 lb/A)	6.75 d	94.8 b	83.8 b	41.0 a	18.53 a	9069 b
3	15 seed/ft2 (34.9 lb/A)	8.63 d	93.8 bc	82.8 bc	40.5 a	18.68 a	9367 ab
4	20 seed/ft2 (46.6 lb/A)	13.20 c	93.3 c	82.3 c	41.3 a	18.65 a	9444 ab
5	30 seed/ft2 (69.9 lb/A)	17.14 b	93.0 c	82.0 c	40.3 a	18.13 a	9352 ab
6	40 seed/ft2 (93.1 lb/A)	25.31 a	93.0 c	82.0 c	40.3 a	18.20 a	9697 a
LSD P=.05		3.573	1.00	1.00	1.84	1.046	528.0
Standard Deviation		2.371	0.67	0.67	1.22	0.694	350.3
CV		19.24	0.71	0.8	3.0	3.72	3.84
Treatment F		46.357	14.850	14.850	0.448	2.652	14.835
Treatment Prob(F)		0.0001	0.0001	0.0001	0.8084	0.0654	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for PVL04 in a Furrow Irrigated Rice System

Experiment number: 25-CS-13

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / PVL04

Planting method/date: Drill seeded / March 26

Seeding rate/depth: See Trt. Sheet / 1 inch

Emergence date: April 6

Harvest date: August 4

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

 150 lb N/A 46-0-0, May 6*

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 113. Evaluation of optimum plant population and seeding rate in furrow irrigated rice of PVL04. H. Rouse Caffey Rice Research Station, 2025.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Rice Density	Plant - HD	Emer - HD	Tip of Panicle	Grain	
Rating Date		4/22/2025			8/4/2025	8/4/2025	8/4/2025
Rating Type		Stand Count	50% HD	50% HD	Height	Moisture	Yield
Rating Unit		#/sq ft.	days	days	in	%	lb/A
Crop Stage		Main	Main	Main	Main	Main	Main
Trt No.	Treatment Name						
1	5 seed/ft2 (11.6lb/A)	2.36 d	101.0 a	90.0 a	43.3 a	21.30 a	6332 c
2	10 seed/ft2 (22.3 lb/A)	5.18 cd	100.0 b	89.0 b	42.5 a	20.35 bcd	7660 b
3	15 seed/ft2 (34.9 lb/A)	8.18 bc	98.8 c	87.8 c	42.5 a	20.58 b	8391 a
4	20 seed/ft2 (46.6 lb/A)	10.46 b	98.5 c	87.5 c	42.3 a	20.43 bc	8212 a
5	30 seed/ft2 (69.9 lb/A)	14.85 a	96.5 d	85.5 d	41.3 a	19.75 cd	8707 a
6	40 seed/ft2 (93.1 lb/A)	19.01 a	96.0 d	85.0 d	42.5 a	19.68 d	8686 a
LSD P=.05		4.310	0.98	0.98	2.21	0.718	533.3
Standard Deviation		2.860	0.65	0.65	1.46	0.477	353.8
CV		28.58	0.66	0.74	3.45	2.34	4.42
Treatment F		18.577	35.861	35.861	0.782	6.248	25.979
Treatment Prob(F)		0.0001	0.0001	0.0001	0.5780	0.0025	0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Determination of Optimum Plant Population and Seeding Rate for Venus in a Furrow Irrigated Rice System

Experiment number: 25-CS-14

Site and design:

Location/Cooperator: H. Rouse Caffey Rice Research Station (South Unit)

Tillage type: Fall stale

Experimental design: Randomized complete block

Number of reps: 4

Plot size: 4.67 x 16 ft

Row width/rows per plot: 8 in / 7

Soil type: Crowley silt loam

% Organic matter: NA

pH: 5.62

Extractable nutrients (ppm): Ca-1,326; Cu-1.59; Mg-246; P-15.3; K-84; Na-47; S-15.3; Zn-1.6

Crop/Variety: Rice / Venus

Planting method/date: Drill seeded / March 26

Seeding rate/depth: See Trt. Sheet / 1 inch

Emergence date: April 6

Harvest date: August 4

Seed treatment/cwt: **Conventional Varieties:**

 Apron (fungicide) – 8.88 ml

 Maxim (fungicide) – 0.88 ml

 Release (gibberellic acid) – 10 g

 Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

 AV-1011 (bird repellent) – 18.3 oz

 Dermacor- 0.137 lb ai/cwt

Fertilization: 250 lb/A 0-24-24-2.8, March 26

 150 lb N/A 46-0-0, May 6*

Water management: Underground irrigation

First Water: April 23

Added Water: May 15, June 4, 10, 23, July 2, 9, 16, 23.

Drain: NA

Pest management:

Herbicides: 1 qt/A Glyphosate, March 12

 1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 26

 3 qt/A Propanil + 0.33 oz/A Permit, April 21

 4 qt/A Propanil + 1 qt/A Prowl, May 5

 20 oz/A Clincher, May 22

Insecticides: No blanket applications

Fungicides: 15 oz/A Amistar Top, June 8

 25 oz/A Elegia, June 18

Table 114. Evaluation of optimum plant population and seeding rate in furrow irrigated rice of Venus. H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Rice Density	Plant - HD	Emer - HD	Tip of Panicle				
Rating Date	4/22/2025			8/4/2025	8/4/2025	8/4/2025	8/4/2025	8/4/2025
Rating Type	Stand Count	50% HD	50% HD	Height	Lodge	Lodge	Moist	Yield
Rating Unit	#/sq ft.	days	days	in	% plot	rate (1-5)	%	lb/A
Crop Stage	Main	Main	Main	Main	Main	Main	Main	Main
Trt	Treatment							
No.	Name							
1	5 seed/ft2 (11.6lb/A)	1.69 f	100.8 a	89.8 a	40.0 c	0.0 a	0.0 a	23.30 a 6118 e
2	10 seed/ft2 (22.3 lb/A)	3.38 e	98.0 b	87.0 b	41.5 b	0.0 a	0.0 a	22.35 b 8579 d
3	15 seed/ft2 (34.9 lb/A)	5.29 d	96.0 c	85.0 c	42.3 ab	20.0 a	0.8 a	22.15 bc 9430 bc
4	20 seed/ft2 (46.6 lb/A)	7.24 c	95.8 c	84.8 c	42.3 ab	0.0 a	0.0 a	22.33 b 9183 cd
5	30 seed/ft2 (69.9 lb/A)	9.38 b	94.5 cd	83.5 cd	43.3 a	7.5 a	1.0 a	20.60 d 10037 ab
6	40 seed/ft2 (93.1 lb/A)	14.74 a	93.5 d	82.5 d	43.5 a	20.0 a	1.0 a	21.40 cd 10259 a
LSD P=.05		1.573	1.73	1.73	1.43	31.36	1.63	0.845 786.3
Standard Deviation		1.044	1.15	1.15	0.95	20.81	1.08	0.561 521.7
CV		15.02	1.19	1.34	2.25	262.86	236.5	2.55 5.84
Treatment F		80.696	20.797	20.797	7.217	0.887	0.887	10.842 33.326
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0013	0.5137	0.5140	0.0001 0.0001

Means followed by the same letter or symbol do not significantly differ (P =.05, LSD).

Evaluation of Phosphorus Rate on Grain Yield and Milling Quality of CLL19

Experiment number	25-CM-53
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.20
pH	7.47
Extractable nutrients (ppm)	Ca-1,611; Cu-1.93; Mg-332; P-26.5; K-67.1; Na-131; S-; Zn-9.3
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 17
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	60 lb/A 0-0-62, March 11
	100 lb/A 21-0-0, March 11
	120 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 16
Drain	July 7
Ratoon flood	August 6
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 115. Evaluation of phosphorus application rate on grain yield and milling quality of CLL19. HRC Rice Research Station, 2025

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle	Moisture		Milling
Rating Date					7/15/2025	7/17/2025	7/17/2025	Head
Rating Type			50% HD	50% HD	Height	Moisture	Yield	
Rating Unit			days	days	in	%	lb/A	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt No.	P Rate (lb P ₂ O ₅ /A)	Growth Stage						
1	0	At planting	91.8 a	78.8 a	33.8 a	17.98 a	9308 b	58.138 a
2	30	At planting	90.3 b	77.3 b	31.3 a	17.30 a	9338 b	57.813 a
3	60	At planting	89.8 b	76.8 b	32.3 a	17.18 a	9433 ab	56.835 a
4	90	At planting	89.5 b	76.5 b	31.0 a	17.35 a	9720 a	58.928 a
5	120	At planting	89.5 b	76.5 b	31.5 a	17.28 a	9740 a	57.483 a
LSD P=.05			0.81	0.81	1.96	0.624	349.1	1.7287
Standard Deviation			0.52	0.52	1.27	0.405	226.6	1.1221
CV			0.58	0.68	3.99	2.33	2.38	1.94
Treatment F			13.000	13.000	3.031	2.486	3.373	1.914
Treatment Prob(F)			0.0003	0.0003	0.0608	0.0995	0.0454	0.1728

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Phosphorus Timing on Yield and Agronomics of CLL19

Experiment number	25-CM-54
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.20
pH	7.47
Extractable nutrients (ppm)	Ca-1,611; Cu-1.93; Mg-332; P-26.5; K-67.1; Na-131; S-; Zn-9.3
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 17
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	60 lb/A 0-0-62, March 11
	100 lb/A 21-0-0, March 11
	120 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 16
Drain	July 7
Ratoon flood	August 6
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 116. Evaluation of phosphorus application timing on grain yield and milling quality of CLL19. HRC Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle	Moisture		Milling
Rating Date					7/15/2025	7/17/2025	7/17/2025	Head
Rating Type			50% HD	50% HD	Height	Moisture	Yield	Total
Rating Unit			days	days	in	%	lb/A	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	P Rate	Growth						
No.	(lb P ₂ O ₅ /A)	Stage						
1	No P	-	91.5 a	78.5 a	34.0 a	18.08 ab	9951 abc	60.03 a
2	120	At Planting	89.0 c	76.0 c	32.3 a	17.05 e	10278 a	59.20 a
3	120	Preflood	90.5 b	77.5 b	32.3 a	17.78 bcd	9626 cd	58.48 a
4	120	Mid-tillering	91.3 a	78.3 a	31.5 a	17.95 bc	9455 d	59.21 a
5	120	Green ring	91.5 a	78.5 a	32.8 a	18.45 a	9928 abc	59.15 a
6	120	50% Heading	91.3 a	78.3 a	32.0 a	18.15 ab	9806 bcd	59.34 a
7	60	At Planting	89.0 c	76.0 c	33.3 a	17.25 e	10008 abc	58.24 a
	60	Preflood						
8	60	At Planting	89.3 c	76.3 c	32.8 a	17.53 cde	10177 ab	59.45 a
	60	Green ring						
9	60	At Planting	89.3 c	76.3 c	32.3 a	17.35 de	10084 ab	59.33 a
	60	50% Heading						
LSD P=.05			0.72	0.72	2.22	0.489	435.4	1.293
Standard Deviation			0.50	0.50	1.52	0.335	298.3	0.301
CV			0.55	0.64	4.67	1.89	3.01	1.5
Treatment F			21.000	21.000	0.940	7.750	3.068	1.408
Treatment Prob(F)			0.0001	0.0001	0.5031	0.0001	0.0158	0.2435

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Potassium Rate on Grain Yield and Milling Quality of CLL19

Experiment number	25-CM-55
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.20
pH	7.47
Extractable nutrients (ppm)	Ca-1,611; Cu-1.93; Mg-332; P-26.5; K-67.1; Na-131; S-; Zn-9.3
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 17
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	60 lb/A 0-46-0, March 11
	100 lb/A 21-0-0, March 11
	120 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 16
Drain	July 7
Ratoon flood	August 6
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 117. Evaluation of potassium application rate on grain yield and milling quality of CLL19. HRC Rice Research Station, 2025.

Crop Name			Rice	Rice	Rice	Rice	Rice	Rice
Description			Plant - HD	Emer - HD	Tip of Panicle	Moisture		Milling
Rating Date					7/15/2025	7/17/2025	7/17/2025	Head
Rating Type			50% HD	50% HD	Height	Moisture	Yield	
Rating Unit			days	days	in	%	lb/A	%
Crop Stage			Main	Main	Main	Main	Main	Main
Trt	K Rate	Growth						
No.	(lb K ₂ O/A)	Stage						
1	0	At planting	89.5 a	76.5 a	32.0 a	17.55 a	9642 a	58.720 a
2	30	At planting	89.5 a	76.5 a	31.8 a	17.16 a	9996 a	59.593 a
3	60	At planting	89.5 a	76.5 a	33.3 a	17.28 a	9833 a	59.348 a
4	90	At planting	89.5 a	76.5 a	31.5 a	17.19 a	9715 a	59.383 a
5	120	At planting	89.8 a	76.8 a	33.0 a	17.15 a	9793 a	58.590 a
LSD P=.05			0.77	0.77	2.06	0.374	517.7	1.6169
Standard Deviation			0.50	0.50	1.34	0.237	328.6	1.0263
CV			0.56	0.65	4.14	1.37	3.35	1.74
Treatment F			0.200	0.200	1.353	2.041	0.673	0.398
Treatment Prob(F)			0.9335	0.9335	0.3068	0.1642	0.6257	0.8060

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Potassium Timing on Yield and Milling Quality of CLL19

Experiment number	25-CM-56
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.20
pH	7.47
Extractable nutrients (ppm)	Ca-1,611; Cu-1.93; Mg-332; P-26.5; K-67.1; Na-131; S-; Zn-9.3
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 17
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	60 lb/A 0-46-0, March 11
	100 lb/A 21-0-0, March 11
	120 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 16
Drain	July 7
Ratoon flood	August 6
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 118. Evaluation of potassium application timing on grain yield and milling quality of CLL19. HRC Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage			Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/15/2025 Height in Main	Rice Moisture 7/17/2025 Moisture % Main	Rice 7/17/2025 Yield lb/A Main	Rice Milling Head % Main	Rice Milling Total % Main
Trt No.	P Rate (lb P ₂ O ₅ /A)	Growth Stage							
1	No K	-	89.8 a	76.8 a	31.3 cd	17.28 a	9472 a	58.99 a	69.36 a
2	120	At Planting	89.8 a	76.8 a	32.3 bc	17.03 a	9567 a	56.98 bc	68.57 bc
3	120	Preflood	89.8 a	76.8 a	31.5 cd	17.30 a	9714 a	58.24 ab	69.12 ab
4	120	Mid-tillering	90.0 a	77.0 a	30.5 d	17.13 a	9395 a	57.96 ab	68.74 bc
5	120	Green ring	90.0 a	77.0 a	31.3 cd	17.35 a	9597 a	57.50 abc	68.77 abc
6	120	50% Heading	90.0 a	77.0 a	31.0 d	16.93 a	9544 a	57.64 abc	68.94 ab
7	60	At Planting	90.0 a	77.0 a	34.0 a	17.28 a	9623 a	56.11 c	68.19 c
	60	Preflood							
8	60	At Planting	90.0 a	77.0 a	33.3 ab	17.33 a	9440 a	57.98 ab	68.91 ab
	60	Green ring							
9	60	At Planting	90.0 a	77.0 a	31.5 cd	17.05 a	9697 a	57.03 bc	68.84 ab
	60	50% Heading							
LSD P=.05			0.36	0.36	1.23	0.472	262.9	1.574	0.614
Standard Deviation			0.25	0.25	0.84	0.323	180.1	1.078	0.421
CV			0.28	0.33	2.64	1.88	1.88	1.87	0.61
Treatment F			1.000	1.000	7.235	0.915	1.503	2.398	2.461
Treatment Prob(F)			0.4613	0.4613	0.0001	0.5211	0.2082	0.0465	0.0420

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Drain Timing on Yield Under AWD Water Management

Experiment number	25-CM-29
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.20
pH	7.47
Extractable nutrients (ppm)	Ca-1,611; Cu-1.93; Mg-332; P-26.5; K-67.1; Na-131; S-; Zn-9.3
Crop/Variety	Rice / See Treatment Name
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 17
Ratoon Harvest date	October 31
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	135 lb N/A 46-0-0, April 15
	90 lb N/A 46-0-0, August 4
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 16
Drain	July 7
Ratoon flood	August 6
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 119. Evaluation of drain timing for AWD water management on rice yield. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/15/2025 Height in Main	Rice 7/16/2025 Moist % Main	Rice 7/16/2025 Yield lb/A Main
TABLE OF A (Cultural) MEANS					
1 No Drain	92.7 c	79.7 c	36.9 b	18.31 b	9423 a
2 Drain at PI	93.9 a	80.9 a	38.7 a	19.17 a	8756 b
3 Drain at PI + 14d	93.3 bc	80.3 bc	38.1 a	18.32 b	8776 b
4 Drain at Boot Split	93.7 ab	80.7 ab	36.9 b	19.27 a	8374 c
<i>P</i>	0.0015	0.0015	0.0001	0.0001	0.0001
LSD <i>P</i> =.05	0.61	0.61	0.74	0.324	267.9
TABLE OF B (Variety) MEANS					
1 CLL18	93.5 b	80.5 b	41.0 a	19.53 a	9364 b
2 PVL03	92.0 c	79.0 c	38.5 b	17.01 d	8761 c
3 DG263L	92.8 b	79.8 b	38.3 b	19.88 a	9804 a
4 Taurus	95.4 a	82.4 a	33.9 d	18.81 b	9395 b
5 Fitzgerald	91.4 c	78.4 c	37.1 c	17.88 c	8546 c
6 Cheniere	95.1 a	82.1 a	37.1 c	19.50 a	7122 d
<i>P</i>	0.0001	0.0001	0.0001	0.0001	0.0001
LSD <i>P</i> =.05	0.74	0.74	0.90	0.396	328.1
TABLE OF A x B MEANS					
1 No Drain	93.0 a	80.0 a	40.3 bc	19.18 a	9743 bcd
1 CLL18					
2 Drain at PI	93.5 a	80.5 a	41.8 ab	19.88 a	9105 d-h
1 CLL18					
3 Drain at PI + 14d	93.8 a	80.8 a	42.5 a	19.13 a	9407 c-f
1 CLL18					
4 Drain at Boot Split	93.8 a	80.8 a	39.5 cd	19.95 a	9200 d-g
1 CLL18					
1 No Drain	92.3 a	79.3 a	38.8 c-f	16.70 a	9695 bcd
2 PVL03					
2 Drain at PI	92.5 a	79.5 a	38.5 c-g	17.03 a	8551 ghi
2 PVL03					

Continued

Table 119. Continued

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD		Rice Emer - HD		Rice Tip of Panicle 7/15/2025 Height in Main		Rice 7/16/2025 Moist % Main		Rice 7/16/2025 Yield lb/A Main	
3 Drain at PI + 14d 2 PVL03	91.5	a	78.5	a	40.3	bc	16.90	a	8298	ij
4 Drain at Boot Split 2 PVL03	91.8	a	78.8	a	36.5	hij	17.40	a	8501	hi
1 No Drain 3 DG263L	90.8	a	77.8	a	37.8	d-i	19.25	a	9949	abc
2 Drain at PI 3 DG263L	94.0	a	81.0	a	40.3	bc	20.93	a	9481	b-e
3 Drain at PI + 14d 3 DG263L	92.8	a	79.8	a	38.0	d-h	19.13	a	10451	a
4 Drain at Boot Split 3 DG263L	93.8	a	80.8	a	37.0	f-i	20.23	a	9336	c-f
1 No Drain 4 Taurus	94.8	a	81.8	a	32.5	m	18.55	a	10115	ab
2 Drain at PI 4 Taurus	96.0	a	83.0	a	34.3	klm	19.10	a	9285	def
3 Drain at PI + 14d 4 Taurus	96.0	a	83.0	a	34.0	lm	18.40	a	9287	def
4 Drain at Boot Split 4 Taurus	95.0	a	82.0	a	34.8	jkl	19.20	a	8892	e-i
1 No Drain 5 Fitzgerald	90.8	a	77.8	a	36.0	ijk	17.43	a	9487	b-e
2 Drain at PI 5 Fitzgerald	91.8	a	78.8	a	38.0	d-h	18.45	a	8758	f-i
3 Drain at PI + 14d 5 Fitzgerald	91.0	a	78.0	a	36.8	ghi	17.18	a	8264	ij
4 Drain at Boot Split 5 Fitzgerald	92.0	a	79.0	a	37.5	e-i	18.45	a	7675	jk
1 No Drain 6 Cheniere	94.8	a	81.8	a	36.0	ijk	18.75	a	7549	kl
2 Drain at PI	95.5	a	82.5	a	39.3	cde	19.65	a	7355	kl

Continued

Table 119. Continued.

Crop Name	Rice	Rice	Rice	Rice	Rice
Description	Plant - HD	Emer - HD	Tip of Panicle		
Rating Date			7/15/2025	7/16/2025	7/16/2025
Rating Type	50% HD	50% HD	Height	Moist	Yield
Rating Unit	days	days	in	%	lb/A
Crop Stage	Main	Main	Main	Main	Main
TABLE OF A x B MEANS (cont.)					
6 Cheniere					
3 Drain at PI + 14d	94.5 a	81.5 a	37.0 f-i	19.20 a	6946 lm
6 Cheniere					
4 Drain at Boot Split	95.8 a	82.8 a	36.0 ijk	20.40 a	6638 m
6 Cheniere					
<i>P</i>	0.1344	0.1344	0.0136	0.1433	0.0108
LSD <i>P</i> =.05	1.49	1.49	1.81	0.793	656.3
Standard Deviation	1.05	1.05	1.28	0.562	465.2
CV	1.13	1.31	3.41	2.994	5.3

Means followed by the same letter or symbol do not significantly differ (*P* =0.05, LSD).

Evaluation of N Starter Time of Application on Yield of CLL19 and Titan

Experiment number	25-CM-65
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station / Jacob Fluitt
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.37
pH	6.93
Extractable nutrients (ppm)	Ca-1,452; Cu-1.72; Mg-299; P-32; K-79.7; Na-137; S-8.8; Zn-9.1
Crop/Variety	Rice / CLL19, Titan
Planting method/date	Drill seeded / March 10
Seeding rate/depth	25 seeds / ft ² / 1 inch
Emergence date	March 24
Harvest date	July 16
Ratoon Harvest date	October 30
Seed treatment/cwt	Conventional:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	90 lb N/A 46-0-0, July 23**
Water management	Underground irrigation
Flush	March 17
Flood	April 16
Drain	July 7
Ratoon flood	July 28
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	0.66 oz/A Permit + Surfactant, April 10
	1 gal/A Propanil, April 15
	1 qt/A 2,4-D + 8 oz/A Verifact, August 7
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 120. Evaluation of N Starter Time of Application on Yield of CLL19 and Titan. H. Rouse Caffey Rice Research Station, 2025

Table 120. Evaluation of N Starter Time of Application on Yield of CLL19 and Trait. H. Rouse Caffey Rice Research Station, 2025								
Crop Name		Rice	Rice	Rice	Rice	Rice	Rice	
Description		Plant - HD	Emer - HD	Tip of Panicle				
Rating Date				7/14/2025	7/16/2025	10/30/2025	10/30/2025	
Rating Type		50% HD	50% HD	Height	Yield	Yield	Yield	
Rating Unit		days	days	in	lb/A	lb/A	lb/A	
Crop Stage		Main	Main	Main	Main	Ratoon	MC+RC	
Trt	Treatment	Rate						
No.	Name	(lb N/A)						
1	CLL19		89.3 cde	75.3 cde	35.8 cd	10512 ab	1968 jk	12480 a-g
	SPF (urea)	135						
2	CLL19		89.5 cde	75.5 cde	35.0 de	10572 a	1919 k	12491 a-f
	SPF (urea)	155						
3	CLL19		88.3 e	74.3 e	33.3 ef	9755 d-h	2138 h-k	11893 fgh
	PF/PI (urea)	100/35						
4	CLL19		89.0 cde	75.0 cde	34.0 def	9834 c-h	2296 d-i	12009 d-h
	PF/PI (urea)	100/55						
5	CLL19		89.0 cde	75.0 cde	35.0 de	10648 a	2174 g-k	12725 abc
	At Planting - urea	20						
	PF (urea)	135						
6	CLL19		88.8 cde	74.8 cde	34.3 def	10049 a-f	2437 a-g	12486 a-g
	At Planting - AMS	20						
	PF (urea)	135						
7	CLL19		89.0 cde	75.0 cde	32.8 f	10078 a-f	2235 f-j	12257 b-h
	At Planting - urea	20						
	PF/PI (urea)	100/35						
8	CLL19		89.3 cde	75.3 cde	33.3 ef	9321 h	2566 a-d	11887 gh
	At Planting - AMS	20						
	PF/PI (urea)	100/35						
9	CLL19		89.8 cd	75.8 cd	34.0 def	10567 a	2045 ijk	12612 a-d
	2-Leaf - urea	20						
	PF (urea)	135						
10	CLL19		90.0 c	76.0 c	34.5 def	10393 abc	2512 a-f	12704 a-d
	2-Leaf - AMS	20						
	PF (urea)	135						

Table 120. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage		Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/14/2025 Height in Main	Rice 7/16/2025 Yield lb/A Main	Rice 10/30/2025 Yield lb/A Ratoon	Rice 10/30/2025 Yield lb/A MC+RC
Trt No.	Treatment Name	Rate (lb N/A)					
11	CLL19 2-Leaf - urea PF/PI (urea)	20 100/35	88.5 de	74.5 de	33.3 ef	10197 a-f	1998 jk
12	CLL19 2-Leaf - AMS PF/PI (urea)	20 100/35	88.5 de	74.5 de	34.3 def	9878 c-h	2393 c-h
13	Titan SPF (urea)	135	91.8 b	77.8 b	38.5 ab	10241 a-e	2287 e-i
14	Titan SPF (urea)	155	93.3 a	79.3 a	39.3 a	10318 a-d	2612 abc
15	Titan PF/PI (urea)	100/35	92.8 ab	78.8 ab	38.5 ab	9637 fgh	2625 abc
16	Titan PF/PI (urea)	100/55	92.8 ab	78.8 ab	38.3 ab	9435 gh	2597 abc
17	Titan At Planting - urea PF (urea)	20 135	92.0 ab	78.0 ab	38.8 ab	10167 a-f	2550 a-e
18	Titan At Planting - AMS PF (urea)	20 135	91.8 b	77.8 b	38.5 ab	9959 b-g	2676 a
19	Titan At Planting - urea PF/PI (urea)	20 100/35	91.5 b	77.5 b	37.3 bc	9924 b-g	2394 b-h
20	Titan At Planting - AMS PF/PI (urea)	20 100/35	91.8 b	77.8 b	37.5 abc	9814 c-h	2692 a

Continued

Table 120. Continued.

Crop Name		Rice	Rice	Rice	Rice	Rice	Rice
Description		Plant - HD	Emer - HD	Tip of Panicle			
Rating Date				7/14/2025	7/16/2025	10/30/2025	10/30/2025
Rating Type		50% HD	50% HD	Height	Yield	Yield	Yield
Rating Unit		days	days	in	lb/A	lb/A	lb/A
Crop Stage		Main	Main	Main	Main	Ratoon	MC+RC
Trt No.	Treatment Name	Rate (lb N/A)					
21	Titan		92.8 ab	78.8 ab	38.5 ab	10161 a-f	2661 ab
	2-Leaf - urea	20					
	PF (urea)	135					
22	Titan		93.3 a	79.3 a	39.0 ab	9385 gh	2542 a-e
	2-Leaf - AMS	20					
	PF (urea)	135					
23	Titan		92.8 ab	78.8 ab	37.3 bc	9412 gh	2457 a-g
	2-Leaf - urea	20					
	PF/PI (urea)	100/35					
24	Titan		92.8 ab	78.8 ab	37.3 bc	9662 e-h	2697 a
	2-Leaf - AMS	20					
	PF/PI (urea)	100/35					
	LSD P=.05		1.30	1.30	1.88	602.2	268.4
	Standard Deviation		0.92	0.92	1.33	426.9	190.0
	CV		1.02	1.2	3.68	4.27	7.94
	Treatment F		15.224	15.224	11.321	3.473	6.640
	Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0139

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Stubble Management and Ratoon N Rates and Timings on Yield and Grain Quality of Titan

Experiment number	25-CM-26
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / Titan
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	135 lb N/A 46-0-0, April 30
	45 lb N/A 46-0-0, May 12
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 121. Evaluation of stubble management practices and nitrogen rate and time of application on ratoon yield of Titan. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD days Main	50% HD days Main	Height in Main	Yield lb/A Main	Yield lb/A Ratoon	lb/A MC+RC	Total % Main	Head % Main
TABLE OF A (Cultural) MEANS								
1 Normal Cut	95.0 a	82.0 a	38.3 a	9794 a	2256 c	12171 a	70.68 c	67.67 a
2 Bush Hog 8"	95.0 a	82.0 a	38.4 a	9915 a	2347 b	12411 a	70.84 b	67.58 a
3 Roll	95.0 a	82.0 a	38.4 a	9782 a	2502 a	12373 a	71.06 a	67.85 a
<i>P</i>	N/A	N/A	0.9	0.8557	0.0001	0.5412	0.00	0.20
LSD <i>P</i> =.05	N/A	N/A	0.65	527.0	82.3	397.4	0.165	0.301
TABLE OF B (Fertilizer) MEANS								
1 30 N - Ratoon	95.0 a	82.0 a	38.4 a	9356 b	1893 c	11607 c	70.74 b	67.61 a
2 90 N - Ratoon	95.0 a	82.0 a	38.1 a	10047 a	2415 b	12462 b	70.82 b	67.60 a
3 150 N - Ratoon	95.0 a	82.0 a	38.6 a	10089 a	2797 a	12885 a	71.02 a	67.89 a
<i>P</i>	N/A	N/A	0.4	0.0112	0.0001	0.0001	0.01	0.11
LSD <i>P</i> =.05	N/A	N/A	0.65	527.0	82.3	397.4	0.165	0.301
TABLE OF C (Timing) MEANS								
1 Harvest	95.0 a	82.0 a	38.2 a	9805 a	2300 b	12325 a	70.83 a	67.70 a
2 Ratoon PF	95.0 a	82.0 a	38.6 a	9856 a	2437 a	12312 a	70.88 a	67.70 a
<i>P</i>	N/A	N/A	0.1	0.8126	0.0002	0.9372	0.46	1.00
LSD <i>P</i> =.05	N/A	N/A	0.53	430.3	67.2	324.5	0.135	0.246
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Normal Cut	95.0 a	82.0 a	38.4 a	9452 a	1896 f	11709 a	70.61 a	67.61 a
1 30 N								
2 Mow 8"	95.0 a	82.0 a	37.9 a	9422 a	1885 f	11753 a	70.72 a	67.51 a
1 30 N								
3 Roll	95.0 a	82.0 a	38.9 a	9195 a	1899 f	11359 a	70.89 a	67.72 a
1 30 N								
1 Normal Cut	95.0 a	82.0 a	37.9 a	10109 a	2320 e	12429 a	70.59 a	67.49 a
2 90 N								
2 Mow 8"	95.0 a	82.0 a	38.8 a	10023 a	2402 de	12425 a	70.78 a	67.53 a
2 90 N								
3 Roll	95.0 a	82.0 a	37.8 a	10009 a	2523 cd	12532 a	71.09 a	67.80 a
2 90 N								

Continued.

Table 121. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD days Main	50% HD days Main	Height in Main	Yield lb/A Main	Yield lb/A Ratoon	lb/A MC+RC	Total % Main	Head % Main
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Normal Cut	95.0 a	82.0 a	38.6 a	9822 a	2553 c	12375 a	70.83 a	67.92 a
3 150 N								
2 Mow 8"	95.0 a	82.0 a	38.5 a	10300 a	2755 b	13054 a	71.02 a	67.70 a
3 150 N								
3 Roll	95.0 a	82.0 a	38.6 a	10144 a	3083 a	13227 a	71.19 a	68.03 a
3 150 N								
<i>P</i>	N/A	N/A	0.1633	0.8643	0.0006	0.2332	0.866	0.9541
LSD <i>P</i> =.05	N/A	N/A	1.13	912.8	142.6	688.3	0.286	0.521
TABLE OF A (Cultural) C (Timing) MEANS								
1 Normal Cut	95.0 a	82.0 a	37.9 a	9800 a	2260 c	12368 a	70.70 a	67.74 a
1 Harvest								
2 Mow 8"	95.0 a	82.0 a	38.3 a	9913 a	2245 c	12396 a	70.82 a	67.54 a
1 Harvest								
3 Roll	95.0 a	82.0 a	38.3 a	9702 a	2394 b	12209 a	70.99 a	67.82 a
1 Harvest								
1 Normal Cut	95.0 a	82.0 a	38.7 a	9788 a	2253 c	11973 a	70.66 a	67.61 a
2 PF - Ratoon								
2 Mow 8"	95.0 a	82.0 a	38.5 a	9917 a	2449 b	12425 a	70.86 a	67.62 a
2 PF - Ratoon								
3 Roll	95.0 a	82.0 a	38.5 a	9863 a	2609 a	12536 a	71.13 a	67.88 a
2 PF - Ratoon								
<i>P</i>	N/A	N/A	0.6268	0.9363	0.0164	0.3482	0.533	0.753
LSD <i>P</i> =.05	N/A	N/A	0.92	745.3	116.4	562.0	0.234	0.426
TABLE OF B (Fertilizer) C (Timing) MEANS								
1 30 N - Ratoon	95.0 a	82.0 a	38.4 a	9167 a	1887 a	11714 a	70.72 a	67.58 a
1 Harvest								
2 90 N - Ratoon	95.0 a	82.0 a	37.8 a	10053 a	2306 a	12359 a	70.77 a	67.63 a
1 Harvest								
3 150 N - Ratoon	95.0 a	82.0 a	38.3 a	10195 a	2705 a	12901 a	71.02 a	67.89 a
1 Harvest								
1 30 N - Ratoon	95.0 a	82.0 a	38.3 a	9546 a	1899 a	11500 a	70.77 a	67.65 a
2 PF - Ratoon								
2 90 N - Ratoon	95.0 a	82.0 a	38.4 a	10041 a	2524 a	12565 a	70.87 a	67.58 a

Continued.

Table 121. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield lb/A	Rice Milling Total %	Rice Milling Head %
	50% HD days Main	50% HD days Main	Height in Main	Yield lb/A Main	Yield lb/A Ratoon	MC+RC	Main	Main
TABLE OF B (Fertilizer) C (Timing) MEANS								
2 PF - Ratoon								
3 150 N - Ratoon	95.0 a	82.0 a	38.9 a	9982 a	2888 a	12870 a	71.01 a	67.88 a
2 PF - Ratoon								
<i>P</i>	N/A	N/A	0.4548	0.5229	0.0793	0.6863	0.8139	0.9257
LSD <i>P</i> =.05	N/A	N/A	0.92	745.3	116.4	562.0	0.234	0.426
TABLE OF A (Cultural) B (Fertilizer) C (Timing) MEANS								
1 Normal Cut	95.0 a	82.0 a	38.3 a	9221 a	1914 a	12060 a	70.80 b-f	67.84 ab
1 30 N - at harvest								
2 Mow 8"	95.0 a	82.0 a	38.3 a	9327 a	1833 a	11876 a	70.54 ef	67.08 c
1 30 N - at harvest								
3 Roll	95.0 a	82.0 a	38.8 a	8953 a	1915 a	11208 a	70.81 b-f	67.83 ab
1 30 N - at harvest								
1 Normal Cut	95.0 a	82.0 a	37.3 a	9977 a	2297 a	12273 a	70.43 f	67.44 abc
2 90 N - at harvest								
2 Mow 8"	95.0 a	82.0 a	38.5 a	10181 a	2267 a	12448 a	70.89 a-e	67.83 ab
2 90 N - at harvest								
3 Roll	95.0 a	82.0 a	37.8 a	10001 a	2354 a	12355 a	70.99 a-d	67.62 abc
2 90 N - at harvest								
1 Normal Cut	95.0 a	82.0 a	38.3 a	10203 a	2569 a	12772 a	70.86 a-e	67.94 ab
3 150 N - at harvest								
2 Mow 8"	95.0 a	82.0 a	38.0 a	10231 a	2634 a	12864 a	71.03 a-d	67.72 abc
3 150 N - at harvest								
3 Roll	95.0 a	82.0 a	38.5 a	10152 a	2914 a	13066 a	71.16 abc	68.02 a
3 150 N - at harvest								
1 Normal Cut	95.0 a	82.0 a	38.5 a	9683 a	1879 a	11358 a	70.41 f	67.38 abc
1 30 N - Ratoon PF								
2 Mow 8"	95.0 a	82.0 a	37.5 a	9517 a	1937 a	11630 a	70.90 a-e	67.95 ab
1 30 N - Ratoon PF								
3 Roll	95.0 a	82.0 a	39.0 a	9437 a	1883 a	11511 a	70.98 a-d	67.62 abc
1 30 N - Ratoon PF								
1 Normal Cut	95.0 a	82.0 a	38.5 a	10241 a	2344 a	12584 a	70.76 c-f	67.53 abc
2 90 N - Ratoon PF								

Continued.

Table 121. Continued.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Plant - HD	Emer - HD	Tip of Panicle					
Rating Date			7/23/2025	7/23/2025	10/24/2025			
Rating Type	50% HD	50% HD	Height	Yield	Yield	Total Yield	Total	Head
Rating Unit	days	days	in	lb/A	lb/A	lb/A	%	%
Crop Stage	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF A (Cultural) B (Fertilizer) C (Timing)								
MEANS								
2 Mow 8"	95.0 a	82.0 a	39.0 a	9865 a	2536 a	12402 a	70.68 def	67.23 bc
2 90 N - Ratoon PF								
3 Roll	95.0 a	82.0 a	37.8 a	10017 a	2692 a	12708 a	71.19 ab	67.98 a
2 90 N - Ratoon PF								
1 Normal Cut	95.0 a	82.0 a	39.0 a	9442 a	2536 a	11978 a	70.80 b-f	67.91 ab
3 150 N - Ratoon PF								
2 Bush Hog 8"	95.0 a	82.0 a	39.0 a	10369 a	2876 a	13245 a	71.01 a-d	67.68 abc
3 150 N - Ratoon PF								
3 Roll	95.0 a	82.0 a	38.8 a	10135 a	3253 a	13388 a	71.23 a	68.04 a
3 150 N - Ratoon PF								
<i>P</i>	N/A	N/A	0.7683	0.8211	0.6758	0.5866	0.0476	0.046
LSD <i>P</i> =.05	N/A	N/A	1.60	1290.9	201.7	973.4	0.405	0.737
Standard Deviation	0.00	0.00	1.13	909.4	141.1	681.1	0.285	0.519
CV	0.00	0.00	2.93	9.30	6.00	5.50	0.40	0.77

Means followed by the same letter or symbol do not significantly differ (*P* =0.05, LSD).

Evaluation of Cultural Practices and Ratoon N Rates on Yield and Grain Quality of CLL19

Experiment number	25-CM-27
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	135 lb N/A 46-0-0, April 30
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 122. Evaluate stubble management practices and nitrogen rate on ratoon yield and grain quality of CLL19. H. Rouse Caffey Rice Research Station, 2025.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD days Main	50% HD days Main	Height in Main	Yield lb/A Main	Yield lb/A Ratoon	lb/A MC+RC	Total % Main	Head % Main
TABLE OF A (Cultural) MEANS								
1 Normal Cut	92.0 a	79.0 a	37.3 a	10884 a	2564 b	13501 a	71.01 b	63.97 a
2 Mow 8"	92.0 a	79.0 a	37.7 a	11033 a	2787 a	13829 a	71.37 b	63.63 a
3 Roll	92.0 a	79.0 a	37.9 a	11008 a	2666 b	13692 a	71.89 a	64.04 a
<i>P</i>	N/A	N/A	0.2	0.6579	0.0008	0.2506	0.00	0.54
LSD <i>P</i> =.05	N/A	N/A	0.66	349.1	113.0	385.5	0.37	0.76
TABLE OF B (Fertilizer) MEANS								
1 0 N - Ratoon	92.0 a	79.0 a	37.9 a	10891 a	1919 e	12974 d	71.25 a	63.79 a
2 30 N - Ratoon	92.0 a	79.0 a	37.9 a	11188 a	2172 d	13360 cd	71.32 a	63.69 a
3 60 N - Ratoon	92.0 a	79.0 a	37.0 a	10653 a	2572 c	13225 d	71.36 a	63.78 a
4 90 N - Ratoon	92.0 a	79.0 a	37.9 a	11066 a	2713 c	13779 bc	71.46 a	63.66 a
5 120 N - Ratoon	92.0 a	79.0 a	37.3 a	10896 a	3234 b	14130 ab	71.41 a	63.94 a
6 150 N - Ratoon	92.0 a	79.0 a	37.8 a	11154 a	3422 a	14576 a	71.74 a	64.41 a
<i>P</i>	N/A	N/A	0.2	0.2616	0.0001	0.0001	0.49	0.70
LSD <i>P</i> =.05	N/A	N/A	0.93	493.7	159.7	545.2	0.520	1.068
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Harvest	95.0 a	82.0 a	38.2 a	9805 a	2300 b	12325 a	70.83 a	67.70 a
2 Ratoon PF	95.0 a	82.0 a	38.6 a	9856 a	2437 a	12312 a	70.88 a	67.70 a
<i>P</i>	N/A	N/A	0.1	0.8126	0.0002	0.9372	0.46	1.00
LSD <i>P</i> =.05	N/A	N/A	0.53	430.3	67.2	324.5	0.135	0.246
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Normal Cut	92.0 a	79.0 a	37.5 a	10404 a	1943 a	12670 a	70.79 a	63.55 a
1 0 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	38.0 a	10954 a	1918 a	12926 a	71.03 a	63.79 a
1 0 N - Ratoon								
3 Roll	92.0 a	79.0 a	38.3 a	11315 a	1898 a	13327 a	71.94 a	64.02 a
1 0 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	37.3 a	11377 a	2020 a	13397 a	70.85 a	63.31 a
2 30 N - Ratoon								

Continued

Table 122. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD	50% HD	Height	Yield	Yield	lb/A	Total	Head
	days	days	in	lb/A	lb/A	lb/A	%	%
	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF A (Cultural) B (Fertilizer) MEANS								
2 Mow 8"	92.0 a	79.0 a	37.8 a	11071 a	2334 a	13404 a	71.33 a	63.85 a
2 30 N - Ratoon								
3 Roll	92.0 a	79.0 a	38.8 a	11117 a	2162 a	13279 a	71.80 a	63.91 a
2 30 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	37.0 a	10983 a	2493 a	13477 a	71.12 a	64.18 a
3 60 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	36.8 a	10882 a	2669 a	13550 a	71.48 a	63.79 a
3 60 N - Ratoon								
3 Roll	92.0 a	79.0 a	37.3 a	10094 a	2554 a	12647 a	71.48 a	63.38 a
3 60 N - Ratoon								
4 90 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	38.5 a	11312 a	2883 a	14196 a	71.16 a	62.59 a
4 90 N - Ratoon								
3 Roll	92.0 a	79.0 a	37.5 a	11154 a	2610 a	13764 a	72.31 a	64.63 a
4 90 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	36.3 a	10697 a	3046 a	13744 a	71.15 a	64.30 a
5 120 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	38.0 a	10820 a	3389 a	14208 a	71.43 a	63.94 a
5 120 N - Ratoon								
3 Roll	92.0 a	79.0 a	37.5 a	11170 a	3268 a	14439 a	71.67 a	63.58 a
5 120 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	38.3 a	11109 a	3234 a	14343 a	71.26 a	64.70 a
6 150 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	37.0 a	11158 a	3528 a	14687 a	71.82 a	63.81 a
6 150 N - Ratoon								
3 Roll	92.0 a	79.0 a	38.3 a	11196 a	3502 a	14698 a	72.15 a	64.72 a
6 150 N - Ratoon								
P	N/A	N/A	0.3367	0.2567	0.7228	0.5106	0.8617	0.7642
LSD P=.05	N/A	N/A	1.61	855.2	276.7	944.2	0.901	1.850
Standard Deviation	0.00	0.00	1.14	602.4	194.6	664.1	0.634	1.302
CV	0.00	0.00	3.02	5.5	7.3	4.9	0.888	2.038

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Cultural Practices and Ratoon N Rates and Timings on Yield and Grain Quality of CLL19

Experiment number	25-CM-28
Site and design	
Location/Cooperator	H. Rouse Caffey Rice Research Station
Tillage type	Fall stale
Experimental design	Randomized complete block
Number of reps	4
Plot size	4.67 x 16 ft
Row width/rows per plot	8 in / 7
Soil type	Crowley silt loam
% Organic matter	1.58
pH	6.95
Extractable nutrients (ppm)	Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4
Crop/Variety	Rice / CLL19
Planting method/date	Drill seeded / March 11
Seeding rate/depth	25 seeds /ft ² / 1 inches
Emergence date	March 24
Harvest date	July 23
Ratoon Harvest date	October 24
Seed treatment/cwt	Conventional Varieties:
	Apron (fungicide) – 8.88 ml
	Maxim (fungicide) – 0.88 ml
	Release (gibberellic acid) – 10 g
	Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml
	AV-1011 (bird repellent) – 18.3 oz
	Dermacor- 0.137 lb ai/cwt
Fertilization	250 lb/A 0-24-24-2.8, March 11
	135 lb N/A 46-0-0, April 30
	45 lb N/A 46-0-0, May 12
Water management	Underground irrigation
Flush	By Rainfall
Flood	April 30
Drain	July 15
Ratoon flood	August 7
Ratoon drain	October 8
Pest management	
Herbicides	1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25
	1 qt/A Glyphosate, March 3
	1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10
	20 oz/A Clincher + 1 qt/A Crop oil, April 25
	1 qt/A Prowl + 1.5 oz/A Gambit, April 28
	1 qt/A 2,4-D + 8 oz/A Verifact, August 15
Insecticides	None
Fungicides	15 oz/A Amistar Top, June 8
	25 oz/A Elegia, June 18

Table 123. Evaluation of stubble management practices and nitrogen rate and time of application on ratoon yield of CLL19. H. Rouse Caffey Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Description	Plant - HD	Emer - HD	Tip of Panicle					
Rating Date			7/23/2025	7/23/2025	10/24/2025			
Rating Type	50% HD	50% HD	Height	Yield	Yield	Total Yield	Total	Head
Rating Unit	days	days	in	lb/A	lb/A	lb/A	%	%
Crop Stage	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF A (Cultural) MEANS								
1 Normal Cut	92.0 a	79.0 a	36.6 a	10195 a	2864 b	13059 a	71.32 c	63.40 a
2 Mow 8"	92.0 a	79.0 a	36.6 a	10040 a	3060 a	13100 a	71.67 b	63.49 a
3 Roll	92.0 a	79.0 a	36.5 a	10364 a	3032 a	13396 a	72.08 a	63.94 a
<i>P</i>	N/A	N/A	0.9	0.0971	0.0017	0.0747	0.00	0.09
LSD <i>P</i> =.05	N/A	N/A	0.63	294.5	111.7	316.2	0.235	0.519
TABLE OF B (Fertilizer) MEANS								
1 30 N - Ratoon	92.0 a	79.0 a	36.5 a	10213 ab	2455 c	12668 c	71.63 a	63.38 a
2 90 N - Ratoon	92.0 a	79.0 a	36.3 a	9999 b	3067 b	13066 b	71.78 a	63.95 a
3 150 N - Ratoon	92.0 a	79.0 a	37.0 a	10387 a	3434 a	13821 a	71.67 a	63.50 a
<i>P</i>	N/A	N/A	0.1	0.0373	0.0001	0.0001	0.41	0.08
LSD <i>P</i> =.05	N/A	N/A	0.63	294.5	111.7	316.2	0.235	0.519
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Harvest	95.0 a	82.0 a	38.2 a	9805 a	2300 b	12325 a	70.83 a	67.70 a
2 Ratoon PF	95.0 a	82.0 a	38.6 a	9856 a	2437 a	12312 a	70.88 a	67.70 a
<i>P</i>	N/A	N/A	0.1	0.8126	0.0002	0.9372	0.46	1.00
LSD <i>P</i> =.05	N/A	N/A	0.53	430.3	67.2	324.5	0.135	0.246
TABLE OF C (Timing) MEANS								
1 Harvest	92.0 a	79.0 a	36.3 b	10161 a	2816 b	12977 b	71.65 a	63.39 b
2 Ratoon PF	92.0 a	79.0 a	36.9 a	10238 a	3155 a	13393 a	71.74 a	63.83 a
<i>P</i>	N/A	N/A	0.0	0.5253	0.0001	0.0022	0.34	0.04
LSD <i>P</i> =.05	N/A	N/A	0.51	240.5	91.2	258.2	0.192	0.424
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 Normal Cut	92.0 a	79.0 a	36.6 a	10282 a	2393 e	12675 a	71.22 a	63.09 a
1 30 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	36.5 a	9990 a	2602 d	12592 a	71.67 a	63.30 a
1 30 N - Ratoon								
3 Roll	92.0 a	79.0 a	36.3 a	10366 a	2370 e	12736 a	71.99 a	63.74 a

Continued.

Table 123. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD	50% HD	Height	Yield	Yield	lb/A	Total	Head
	days	days	in	lb/A	lb/A	lb/A	%	%
	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF A (Cultural) B (Fertilizer) MEANS								
1 30 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	36.3 a	10123 a	2963 c	13087 a	71.43 a	63.88 a
2 90 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	36.4 a	9750 a	3112 bc	12862 a	71.84 a	64.11 a
2 90 N - Ratoon								
3 Roll	92.0 a	79.0 a	36.4 a	10124 a	3125 bc	13249 a	72.07 a	63.87 a
2 90 N - Ratoon								
1 Normal Cut	92.0 a	79.0 a	37.0 a	10179 a	3236 b	13415 a	71.30 a	63.21 a
3 150 N - Ratoon								
2 Mow 8"	92.0 a	79.0 a	37.0 a	10379 a	3466 a	13846 a	71.52 a	63.07 a
3 150 N - Ratoon								
3 Roll	92.0 a	79.0 a	36.9 a	10603 a	3601 a	14204 a	72.19 a	64.21 a
3 150 N - Ratoon								
P	N/A	N/A	0.9797	0.5321	0.043	0.2798	0.5978	0.2818
LSD P=.05	N/A	N/A	1.09	510.2	193.4	547.7	0.407	0.899
TABLE OF A (Cultural) C (Timing) MEAN								
1 Normal Cut	92.0 a	79.0 a	36.4 a	10187 a	2848 b	13035 a	71.34 a	63.29 a
1 Harvest								
2 Mow 8"	92.0 a	79.0 a	36.4 a	10041 a	2848 b	12889 a	71.61 a	63.15 a
1 Harvest								
3 Roll	92.0 a	79.0 a	36.1 a	10255 a	2752 b	13007 a	71.98 a	63.72 a
1 Harvest								
1 Normal Cut	92.0 a	79.0 a	36.8 a	10202 a	2880 b	13082 a	71.29 a	63.50 a
2 Ratoon PF								
2 Mow 8"	92.0 a	79.0 a	36.8 a	10039 a	3273 a	13311 a	71.74 a	63.83 a
2 Ratoon PF								
3 Roll	92.0 a	79.0 a	36.9 a	10473 a	3312 a	13785 a	72.18 a	64.16 a
2 Ratoon PF								
P	N/A	N/A	0.7451	0.7058	0.0001	0.0772	0.5635	0.6734
LSD P=.05	N/A	N/A	0.89	416.6	157.9	447.2	0.332	0.734

Continued.

Table 123. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD	50% HD	Height	Yield	Yield	lb/A	Total	Head
	days	days	in	lb/A	lb/A	lb/A	%	%
	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF B (Fertilizer) C (Timing) MEANS								
1 30 N - Ratoon	92.0 a	79.0 a	36.4 a	10257 a	2416 d	12673 c	71.51 a	63.18 a
1 Harvest								
2 90 N - Ratoon	92.0 a	79.0 a	36.1 a	9842 a	2830 c	12672 c	71.80 a	63.79 a
1 Harvest								
3 150 N - Ratoon	92.0 a	79.0 a	36.4 a	10385 a	3202 b	13587 b	71.63 a	63.20 a
1 Harvest								
1 30 N - Ratoon	92.0 a	79.0 a	36.5 a	10169 a	2494 d	12663 c	71.74 a	63.57 a
2 Ratoon PF								
2 90 N - Ratoon	92.0 a	79.0 a	36.6 a	10156 a	3304 b	13460 b	71.76 a	64.12 a
2 Ratoon PF								
3 150 N - Ratoon	92.0 a	79.0 a	37.5 a	10389 a	3667 a	14056 a	71.71 a	63.80 a
2 Ratoon PF								
P	N/A	N/A	0.248	0.3644	0.0008	0.0468	0.5051	0.8591
LSD P=.05	N/A	N/A	0.89	416.6	157.9	447.2	0.332	0.734
TABLE OF A (Cultural) B (Fertilizer) C (Timing) MEANS								
1 Normal Cut	92.0 a	79.0 a	36.3 a	10329 a	2475 a	12804 a	71.24 a	63.13 a
1 30 N - at harvest								
2 Bush Hog 8"	92.0 a	79.0 a	36.5 a	10252 a	2429 a	12680 a	71.47 a	62.89 a
1 30 N - at harvest								
3 Roll	92.0 a	79.0 a	36.5 a	10190 a	2344 a	12534 a	71.82 a	63.54 a
1 30 N - at harvest								
1 Normal Cut	92.0 a	79.0 a	36.0 a	9939 a	2890 a	12829 a	71.41 a	63.63 a
2 90 N - at harvest								
2 Bush Hog 8"	92.0 a	79.0 a	36.3 a	9500 a	2858 a	12358 a	71.90 a	63.78 a
2 90 N - at harvest								
3 Roll	92.0 a	79.0 a	36.0 a	10087 a	2741 a	12828 a	72.09 a	63.95 a
2 90 N - at harvest								
1 Normal Cut	92.0 a	79.0 a	37.0 a	10294 a	3179 a	13473 a	71.38 a	63.11 a
3 150 N - at harvest								
2 Bush Hog 8"	92.0 a	79.0 a	36.5 a	10373 a	3256 a	13629 a	71.47 a	62.80 a
3 150 N - at harvest								
3 Roll	92.0 a	79.0 a	35.8 a	10488 a	3171 a	13659 a	72.04 a	63.68 a

Continued.

Table 123. Continued.

Crop Name Description Rating Date Rating Type Rating Unit Crop Stage	Rice Plant - HD	Rice Emer - HD	Rice Tip of Panicle 7/23/2025	Rice 7/23/2025	Rice 10/24/2025	Rice Total Yield	Rice Milling	Rice Milling
	50% HD	50% HD	Height	Yield	Yield	lb/A	Total	Head
	days	days	in	lb/A	lb/A	lb/A	%	%
	Main	Main	Main	Main	Ratoon	MC+RC	Main	Main
TABLE OF A (Cultural) B (Fertilizer) C (Timing) MEANS								
3 150 N - at harvest								
1 Normal Cut	92.0 a	79.0 a	37.0 a	10235 a	2311 a	12546 a	71.20 a	63.06 a
1 30 N - Ratoon PF								
2 Bush Hog 8"	92.0 a	79.0 a	36.5 a	9729 a	2775 a	12504 a	71.87 a	63.71 a
1 30 N - Ratoon PF								
3 Roll	92.0 a	79.0 a	36.0 a	10542 a	2396 a	12938 a	72.16 a	63.95 a
1 30 N - Ratoon PF								
1 Normal Cut	92.0 a	79.0 a	36.5 a	10308 a	3036 a	13344 a	71.45 a	64.13 a
2 90 N - Ratoon PF								
2 Bush Hog 8"	92.0 a	79.0 a	36.5 a	10000 a	3366 a	13366 a	71.78 a	64.43 a
2 90 N - Ratoon PF								
3 Roll	92.0 a	79.0 a	36.8 a	10160 a	3510 a	13670 a	72.05 a	63.79 a
2 90 N - Ratoon PF								
1 Normal Cut	92.0 a	79.0 a	37.0 a	10063 a	3294 a	13357 a	71.23 a	63.31 a
3 150 N - Ratoon PF								
2 Bush Hog 8"	92.0 a	79.0 a	37.5 a	10386 a	3676 a	14062 a	71.56 a	63.35 a
3 150 N - Ratoon PF								
3 Roll	92.0 a	79.0 a	38.0 a	10718 a	4030 a	14748 a	72.34 a	64.74 a
3 150 N - Ratoon PF								
P	N/A	N/A	0.273	0.4391	0.0941	0.7185	0.80	0.73
LSD P=.05	N/A	N/A	1.54	721.5	273.5	774.6	0.576	1.272
Standard Deviation	0.00	0.00	1.08	508.2	192.7	545.6	0.406	0.896
CV	0.00	0.00	2.96	5.0	6.5	4.1	0.566	1.408

Means followed by the same letter or symbol do not significantly differ (P =0.05, LSD).

Evaluation of Sodium Chlorate Rate and Time of Harvest on Grain Milling Quality

Experiment number : 25-CM-21

Site and design :

Location/Cooperator : H. Rouse Caffey Rice Research Station

Tillage type..... : Fall stale

Experimental design : Randomized complete block

Number of reps : 4

Plot size..... : 4.67 x 16 ft

Row width/rows per plot..... : 8 in / 7

Soil type : Crowley silt loam

% Organic matter..... : 1.58

pH..... : 6.95

Extractable nutrients (ppm)..... : Ca-1,659; Cu-1.69; Mg-318; P-46; K-66; Na-139; S-9.3; Zn-11.4

Crop/Variety : Rice / PVL03, Titan, RT7421FP

Planting method/date : Drill seeded / March 11

Seeding rate/depth : Hybrid – 10 seed/ft², Variety - 25 seeds /ft² / 1 inches

Emergence date..... : March 24

Harvest date : July 29

Ratoon Harvest date..... : October 24

Seed treatment/cwt : **Conventional and Hybrid:**

Apron (fungicide) – 8.88 ml

Maxim (fungicide) – 0.88 ml

Release (gibberellic acid) – 10 g

Zinc Plus (10% Zn and 4.9% combined sulfur) – 296 ml

AV-1011 (bird repellent) – 18.3 oz

Dermacor- 0.137 lb ai/cwt

Fertilization : 250 lb/A 0-24-24-2.8, March 11

135 lb N/A 46-0-0, April 30

90 lb N/A 46-0-0, August 5

Water management : Underground irrigation

Flush : By Rainfall

Flood : April 30

Drain..... : July 15

Ratoon flood : August 7

Ratoon drain : October 8

Pest management :

Herbicides..... : 1 qt/A Glyphosate + 1 pt/A 2,4-D + 2 oz/A Valor, November 25

1 qt/A Glyphosate, March 3

1 qt/A Glyphosate + 2 oz/A Sharpen + 4 oz/A Command, March 10

20 oz/A Clincher + 1 qt/A Crop oil, April 25

1 qt/A Prowl + 1.5 oz/A Gambit, April 28

1 qt/A 2,4-D + 8 oz/A Verifact, August 15

Insecticides : None

Fungicides..... : 15 oz/A Amistar Top, June 8

25 oz/A Elegia, June 18

Table 124. Effect of rate and time of application sodium chlorate on grain milling quality. HRC Rice Research Station, 2025.

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Milling Type	Total	Head	Total	Head	Total	Head	Total	Head
Rating Unit	%	%	%	%	%	%	%	%
Time of harvest after application	3 days	3 days	7 days	7 days	10 days	10 days	14 days	14 days
TABLE OF A (Rate) MEANS								
1 Sodium Chlorate 3 qt/A	71.44 a	62.25 a	71.19 a	60.98 a	71.11 a	56.16 a	69.22 a	44.72 a
2 Sodium Chlorate 6 qt/A	71.27 a	62.72 a	71.12 a	61.46 a	70.97 a	56.33 a	68.87 a	43.05 a
<i>P</i>	0.53	0.30	0.75	0.33	0.72	0.90	0.13	0.10
LSD <i>P</i> =.05	0.54	0.92	0.43	1.01	0.82	2.88	0.47	2.06
TABLE OF B (Variety) MEANS								
1 PVL03	71.95 a	60.08 b	71.89 a	59.36 b	71.68 a	54.53 b	69.59 a	44.96 a
2 Titan	71.49 a	67.86 a	71.51 a	67.39 a	71.22 a	62.07 a	69.33 a	44.87 a
3 RT7421 FP	70.62 b	59.51 b	70.07 b	56.91 c	70.22 b	52.14 b	68.21 b	41.81 b
<i>P</i>	0.002	0.0001	0.0001	0.0001	0.021	0.0001	0.0003	0.028
LSD <i>P</i> =.05	0.67	1.13	0.53	1.24	1.00	3.53	0.58	2.52
TABLE OF A x B MEANS								
1 Sodium Chlorate 3 qt/A	71.90 a	59.06 a	71.96 a	58.71 a	71.54 a	53.74 a	69.52 a	44.87 a
1 PVL03								
2 Sodium Chlorate 6 qt/A	72.00 a	61.11 a	71.82 a	60.00 a	71.81 a	55.33 a	69.65 a	45.06 a
1 PVL03								
1 Sodium Chlorate 3 qt/A	71.68 a	67.88 a	71.47 a	67.22 a	71.20 a	61.67 a	69.44 a	45.96 a
2 Titan								
2 Sodium Chlorate 6 qt/A	71.30 a	67.84 a	71.55 a	67.57 a	71.24 a	62.47 a	69.23 a	43.79 a
2 Titan								
1 Sodium Chlorate 3 qt/A	70.73 a	59.82 a	70.14 a	57.02 a	70.59 a	53.08 a	68.70 a	43.32 a
3 RT7421 FP								
2 Sodium Chlorate 6 qt/A	70.52 a	59.21 a	70.00 a	56.81 a	69.85 a	51.20 a	67.73 a	40.29 a
3 RT7421 FP								
<i>P</i>	0.7393	0.0574	0.8793	0.449	0.5416	0.5586	0.1485	0.3934
LSD <i>P</i> =.05	0.94	1.60	0.74	1.75	1.41	4.99	0.82	3.57
Standard Deviation	0.63	1.06	0.49	1.16	0.94	3.31	0.54	2.37
CV	0.88	1.70	0.69	1.90	1.32	5.88	0.79	5.40

Means followed by the same letter or symbol do not significantly differ (*P* =0.05, LSD).

Rotational Crop Research

M. Kongchum, J.P. Leonards, J.S. Fluitt, B. C. Beard, and M.J. Breaux

A soybean strip trial (core block) was evaluated at the H. Rouse Caffey Rice Research Station – South Unit. Nineteen varieties were planted on June 6, 2025, at a seeding rate of 130,000 seeds per acre and a row spacing of 16 inches. Emergence occurred on June 13, 2025. The plots were managed without irrigation throughout the cropping season. Other management practices were based on the LSU AgCenter soybean yields & production practices recommendation (Pub# 2269). The plots were harvested on October 17, 2025. Days from planting to maturity ranged from 101 to 116 days. The earliest maturing variety was AG40XS5, and the latest maturing was DG55XF23. At maturity, average plant height was 31 inches, with P43Z44SE being the shortest at 24 inches and AG48XF5 the tallest at 37 inches. The average yield was 49.2 bu/A (2,951 lb/A), ranging from 42.9 bu/A (2,577 lb/A) for AG40XFS to 55.4 bu/A (3,326 lb/A) for AG48XF5.

Soybean variety trials included Maturity Groups 3.0 – 4.4 (10 varieties), Groups 4.5 – 4.7 (19 varieties), Groups 4.8 – 4.9 (28 varieties), Groups 5.0 – 5.3 (4 varieties), and Groups 5.4 + (7 varieties). Soybean plots were planted on June 6, 2025. Plot size was 5.33 wide and 20 feet long, with four rows, 16 inches apart. The plots were arranged in a RCB with 4 replications. The trials were managed with non-irrigation. All maturity groups were harvested on October 16, 2025. Yield was reported at 13% moisture content. Yield data of each group is presented in Table 1. Yield from multiple locations from the entire State can be found in the 2025: Soybean Variety Yields and Production Practices publication (LSU AgCenter publication number 2269) which is available online at www.lsuagcenter.com.

Wheat varietal and experimental lines are evaluated annually. For 2024 – 2025 cropping season, wheat plots were planted at a seeding rate of 98 lb/A on November 26, 2024, and harvested on May 13, 2025. The plot size was 4.67 wide and 16 ft long, with 7 rows, 8 inches apart. Twenty-four entries were included in the trial. Plant stands of USG3354 and DG1900 were significantly lower compared to the other varieties. All plots were covered by about 10 inches of snow on January 21, 2025. However, this snow cover did not significantly impact yield. The results from the Crowley site (South Farm unit) can be found in the 2024 Small Grain Performance Trials publication (LSU AgCenter publication number 206) which can be found online at www.lsuagcenter.com. The average wheat yield in 2024 – 2025 was 68.3 bu/A. The top three yielding varieties at the Crowley location were PROGENY #CHAD (85.3 bu/A), LA15093SB-30-3-3 (83.8 bu/A), and AGS 4043 (81.9 bu/A).

Grain sorghum hybrids are also evaluated annually for their yield response. In 2025, fourteen entries of hybrid grain sorghum were planted on April 15, at the seeding rate of 80,000 seeds per acre. The plot size was 10 ft. wide and 30 ft. long, with four rows 30 inches apart and four replications. The middle 2-rows were harvested on August 11, 2025. The results from the Rice Research Station - South unit variety trial can be found in the Performance of Sorghum Hybrids in Louisiana publication (LSU AgCenter publication number 208) which can be accessed online at www.lsuagcenter.com. Average yield was 102 bu/A, with M70GR37 producing the lowest yield (83 bu/A). The highest-yielding varieties were 84P94 (114 bu/A), followed by DKS54-07 (111 bu/A) and 82P22 (107 bu/A).

Table 1. Soybean* yield (13% moisture) by maturity group. H. Rouse Caffey Rice Research Station – South Unit, 2025.

		Yield (bu/A)	Yield (lb/A)	Variety
MG 3.0-4.4	Lowest	36.8	2,208	U of Missouri S21-22067
	Highest	46.9	2,814	Pioneer P44Z67BE
	Average	42.3	2,538	-
MG 4.5-4.7	Lowest	36.2	2,172	U of Missouri S21-11102
	Highest	52.6	3,156	DG Seed S46XF26S
	Average	45.1	2,706	-
MG 4.8-4.9	Lowest	37.8	2,268	U of Missouri S21-15672
	Highest	55.2	3,312	Bayer AG50XF5
	Average	46.0	2,760	-
MG 5.0-5.3	Lowest	43.9	2,634	Pioneer P51Z31SE
	Highest	46.0	2,760	Progeny 5056XFS
	Average	45.6	2,736	-
MG 5.4 +	Lowest	40.9	2,454	Pioneer P56Z22E
	Highest	47.2	2,832	Bayer AG54XF5
	Average	44.4	2,664	-

*Non irrigation system

RICE WEED MANAGEMENT

L. Connor Webster, S. Ben Stoker, Maranda A. Hains, Gavin R. Sparks, Evelyn M. Williams, Morgan T. Boone, Caden Benoit, and Dustin Zaunbrecher

Introduction

Research Summary: Seventy-five weed management studies were conducted across the H. Rouse Caffey Rice Research Station (RRS), Northeast Research Station (NERS), and producer locations in Louisiana in 2025. The project continues to address key problems for Louisiana rice growers with research-based solutions.

Evaluation of a Novel Herbicide, Tetflupyrolimet (Keenali Complete). Keenali will be the first new active ingredient of a new mode of action in over three decades. The project has been working with Keenali since 2021 and has played a pivotal role in the registration of Keenali. The project has addressed key questions regarding optimal rates across soil types, how tetflupyrolimet fits into complete herbicide programs, how the herbicide interacts with rice on cut ground, optimal preemergence and delayed preemergence herbicide mixtures, and applying tetflupyrolimet impregnated on basic fertilizer at planting. The main area where research has been lacking is early season water-seeded application timings. The project evaluated 5 different varieties and how they responded to early season applications of Keenali. This research indicated that the earliest safe application timing will be one true leaf; however, some varieties did show higher levels of safety at earlier timings. This research will be repeated in 2026. Since Keenali will be sold as a co-pack with Command as Keenali Complete, the project evaluated ratios of Keenali and Command to optimize weed control as well as reducing crop injury from Command.

Perennial Grass Control in Conventional and Herbicide Resistant Rice. Five perennial grass species were collected off-station and hand transplanted into plots on the south farm. The perennial grass species consisted of Brooks paspalum, water paspalum, creeping rivergrass (Habetz grass), southern watergrass, and rice cutgrass. Seven total trials were conducted evaluating conventional programs as well as Clearfield and Provisia programs. The conventional program trials consisted of Grasp, Regiment, Loyant, Facet, Clincher, and Ricestar each applied alone and various mixture combinations. The Clearfield trial consisted of Beyond mixed with each of the previously mentioned herbicides and the Provisia trial consisted of different rates of Provisia and sequential timings. Additional trials were designed for Rogue and GXP-70101. Several effective herbicide mixtures were identified for Brooks paspalum, water paspalum and creeping rivergrass; however, very few options were identified for rice cutgrass and southern watergrass, and will require further investigation.

Provisia Rice Line Tolerance. Studies are conducted each year at the RRS South Farm in collaboration with the Breeding Project to evaluate the tolerance of commercial and advanced pre-commercial Provisia rice lines. Two rates/programs of Provisia are applied at the 2- to 3-leaf stage followed by a 4- to 5-leaf stage application. The two Provisia programs applied consist of 15.5 fl oz/A followed by 15.5 fl oz/A and 31 fl oz/A followed by 31 fl oz/A. These trials not only assist the breeding program in making decisions on which lines to move forward with but also helps us understand injury patterns across multiple environments.

Simulated Newpath/Preface Carryover in PVL03, Avant, and Jupiter. Studies were conducted to evaluate the yield effects of imazethapyr carryover to commonly planted rice cultivars in Louisiana. Prior to planting, low rates of Preface were applied to bare soil and flushed to incorporate the herbicide into the soil profile. In 2023, the rates ranged from 0 to 1 fl oz/A of Preface in 1/8th of an ounce increments. These rates did not result in yield differences compared with the nontreated plots, so the rate structure was adjusted in 2024 and 2025 to 0 to 2 fl oz/A of Preface in 1/4th of an ounce increments. The yield results from these studies have been sporadic; however, the project has learned that even at the lowest rates of imazethapyr there are maturity delays. A recommendation that has stemmed from this project is to utilize Beyond in place of Newpath as a pre-flood application when there are plans to rotate to either conventional, Provisia or Max-Ace rice if the farm is in a crawfish rotation. In multiple instances water-leveling has also been successful at reducing the risk of carryover from imazethapyr.

Weed Biology/Ecology - Barnyardgrass Competition and Red Rice Dormancy Characteristics. Trials were conducted to evaluate different rice varieties and hybrid's ability to compete with barnyardgrass at multiple seeding rates. PVL03 and Avant were evaluated at 30, 50, and 70 lbs/A, whereas Fullpage 7521 was evaluated at 10, 20, and 30 lbs/A. Roughly 50 red rice samples have been collected from across the southwest region to evaluate their dormancy characteristics. These samples will undergo a seed increase this winter to have an adequate amount of seed. Once the seed increase is complete, germination tests will be conducted periodically until the seed is depleted.

Other Areas of Research in 2025. Fenclorim as a seed treatment for Command safety. DG563PVL tolerance to Provisia. Voraxor (new BASF PPO for burndown) drift to rice. New formulation of Rinde for increased shelf life. Regiment plus Ricestar mixtures for barnyardgrass control. Rogue for weedy rice suppression. Generic Albaugh herbicide evaluation. Loyant plant back to drill-seeded rice. Burndown programs using Permit, Permit Plus and Gambit.

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**Control of Yellow Nutsedge Burndown with Gambit and Permit Plus in Tank-Mixtures
with Gramoxone and Sharpen**

Experiment number : **C25-11**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps : 3
Plot size : 10'x30'
Row width/# per plot : 7"/16
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : NA
Planting date : NA
Emergence date..... : NA
Harvest date : NA
Uniform Standard Treatment..... : Provisia 15.5oz + 1% COC on 5/28

Application type : Burndown
Date applied [mm/dd/yy] : 6/2/25
Time [hh:mm-hh:mm] : 11:45-12:15p
Air/Soil temperature [F] : 86/76
Relative humidity [%] : 70%
Wind [mph, direction] : 2-4, E
Weather [sunny, etc]..... : Sunny
Soil/Leaf surface moist..... : Dry/dry
Crop stage/Height..... : NA
Sprayer type/MPH : BKPK/3.0
Nozzle type/Size* : FF/11001
Boom ht/# Noz/Spacing..... : 20/7/20
GPA/PSI : 10/33
Applied by : MTB/SBS

Weed Species (population)..... :- (height/#leaves) –
AESIN (3-4m²)..... : 10-12"/8-10lf
CYPIR (20-40m²) : 6-8"/3-9lf
CYPES (2-3m²) : 6-10"/6-9lf

Flush Dates : NA
Permanent Flood..... : NA

***AMFF – Air mix flat fan nozzles**

Table1. Control of Yellow Nutsedge Burndown with Gambit and Permit Plus in Tank-Mixtures with Gramoxone and Sharpen

Tablet: Control of Fenox Nutsedge Burndown with Gambit and Permit Plus in Tank Mixtures with Gramoxone and Sharpen						Jun-12-2025	Jun-19-2025	Jun-26-2025	Jun-12-2025	Jun-19-2025	Jun-26-2025	Jun-12-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Type						CYPID	CYPID	CYPID	CYPES	CYPES	CYPES	AESIN	
Pest Code						10 DAT	17 DAT	24 DAT	7 DAT	17 DAT	21 DAT	7 DAT	
Treatment Appl.													
Interval						0	0	0	0	0	0	0	
Number of Decimals						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Untreated Check						0	0	0	0	0	0	
2	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN	99	99	99	43	52	67	99
3	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	63	93	99	57	80	83	93
	MSO	1	pt/a	16	oz/a	BRNDWN							
4	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	55	92	96	57	82	86	57
	MSO	1	pt/a	16	oz/a	BRNDWN							
5	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN	82	68	48	0	0	0	99
	MSO	1	pt/a	16	oz/a	BRNDWN							
6	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	98	99	99	73	90	95	99
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN							
	MSO	1	pt/a	16	oz/a	BRNDWN							
7	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	97	99	99	72	93	99	99
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN							
	MSO	1	pt/a	16	oz/a	BRNDWN							
8	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	88	95	99	65	90	93	99
	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN							
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN							
	MSO	1	pt/a	16	oz/a	BRNDWN							

Continued

Table 1. Continued

Table 1: Continued						Jun-12-2025	Jun-19-2025	Jun-26-2025	Jun-12-2025	Jun-19-2025	Jun-26-2025	Jun-12-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						CYPIR	CYPIR	CYPIR	CYPES	CYPES	CYPES	AESIN	
Treatment Appl.						10 DAT	17 DAT	24 DAT	7 DAT	17 DAT	21 DAT	7 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
9	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	92	95	99	73	90	95	99
	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN							
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN							
	MSO	1	pt/a	16	oz/a	BRNDWN							
10	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN	76	67	47	90	50	23	90
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
11	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	48	92	99	52	91	95	88
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
12	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	45	80	89	47	83	83	87
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
13	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	90	95	96	90	95	96	99
	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN							
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
14	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	87	95	99	87	95	96	99
	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN							
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN							
LSD P=.05						10.4	7.8	9.3	12.0	7.1	11.3	11.6	
Standard Deviation						6.2	4.7	5.5	7.1	4.2	6.7	6.9	
CV						8.52	5.58	6.62	12.42	5.94	9.3	8.05	
Replicate F						0.447	0.462	0.909	0.245	0.685	1.490	0.893	
Replicate Prob(F)						0.6443	0.6350	0.4152	0.7843	0.5130	0.2441	0.4215	
Treatment F						60.897	95.407	89.373	48.396	187.664	87.419	46.426	
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Continued

Table1. Continued

Rating Date							Jun-19-2025	Jun-26-2025
Rating Type							CONTROL	CONTROL
Rating Unit							%	%
Rating Min/Max/Interval							0, 100, -	0, 100, -
Pest Type							W, Weed	W, Weed
Pest Code							AESIN	AESIN
Treatment Appl. Interval							17 DAT	21 DAT
Number of Decimals							0	0
							8	9
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Timing		
1	Untreated Check						0	0
2	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN	99	99
3	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	99	95
	MSO	1	pt/a	16	oz/a	BRNDWN		
4	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	83	82
	MSO	1	pt/a	16	oz/a	BRNDWN		
5	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN	99	99
	MSO	1	pt/a	16	oz/a	BRNDWN		
6	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	99	99
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN		
	MSO	1	pt/a	16	oz/a	BRNDWN		
7	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	99	99
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN		
	MSO	1	pt/a	16	oz/a	BRNDWN		
8	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	99	99
	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN		
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN		
	MSO	1	pt/a	16	oz/a	BRNDWN		

Continued

Table 1. Continued

Rating Date							Jun-19-2025	Jun-26-2025
Rating Type							CONTROL	CONTROL
Rating Unit							%	%
Rating Min/Max/Interval							0, 100, -	0, 100, -
Pest Type							W, Weed	W, Weed
Pest Code							AESIN	AESIN
Treatment Appl. Interval							17 DAT	21 DAT
Number of Decimals							0	0
							8	9
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Timing		
9	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	99	99
	Sharpen	0.067	lb ai/a	3	oz/a	BRNDWN		
	Roundup PowerMax III	1.13	lb ai/a	30	oz/a	BRNDWN		
	MSO	1	pt/a	16	oz/a	BRNDWN		
10	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN	93	87
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN		
11	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	99	99
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN		
12	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	99	93
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN		
13	Gambit	0.0494	lb ai/a	1	oz/a	BRNDWN	96	93
	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN		
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN		
14	Permit	0.0314	lb ai/a	0.67	oz/a	BRNDWN	92	90
	Gramoxone SL 3.0	0.94	lb ai/a	60	oz/a	BRNDWN		
	NIS	0.25	% v/v	3.2	oz/a	BRNDWN		
LSD P=.05							5.2	10.4
Standard Deviation							3.1	6.2
CV							3.46	7.02
Replicate F							0.987	0.124
Replicate Prob(F)							0.3863	0.8835
Treatment F							214.069	52.898
Treatment Prob(F)							0.0001	0.0001
<u>Rating Unit</u>							<u>Pest Type</u>	
%, 0, 100, = percent							W, Weed = Weed or volunteer crop	
							<u>Pest Code</u>	
							CYPPIR, Cyperus iria, Rice flatsedge = US	
							CYPES, Cyperus esculentus, Yellow nutsedge = US	
							AESIN, Aeschynomene indica, Budda pea = US	

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Regiment Mixed with Ricestar

Experiment number : **C25-14**
 Location..... : RRS-Crowley, LA
 Experimental design : Factorial (RCB)
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 70 LB/A
 Planting date : 4/15/2025
 Emergence date..... : 4/20/2025
 Harvest date : 8/13/2025
 Uniform Stand Treatments : Sharpen 2 oz/A on 4/16/2025
 : Gambit 1.5 oz/A on 5/5/2025

Application type : MPOST
 Date applied [mm/dd/yy]..... : 5/22/2025
 Time [hh:mm-hh:mm] : 5:22-5:35p
 Air/Soil temperature [F] : 85/75
 Relative humidity [%] : 71%
 Wind [mph, direction] : 6-8, SE
 Weather [sunny, etc]..... : Cloudy
 Soil/Leaf surface moist..... : Dry/dry
 Crop stage/Height..... : 1-2til/8-12"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Species (population) :- (height/#leaves) –
 ECHCG (30-40m²) : 4-8"/1-2til
 BRAPP (15-20m²) : 3-7"/2-5lf

Flush Dates : 4/17/2025
 Permanent Flood..... : 5/27/2025

***AMFF – Air mix flat fan nozzles**

Table 2. Regiment Mixed with Ricestar

						Jun-5-2025	Jun-26-2025	Jun-5-2025	Jun-26-2025	Jun-5-2025	Jun-26-2025	Aug-13-2025
Rating Date						INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT
Rating Type						%	%	%	%	%	%	CM
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type								W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	ECHCG	ECHCG	BRAPP	BRAPP	RICE
Treatment Appl.						14 DAT	35 DAT	14 DAT	35 DAT	14 DAT	35 DAT	AT HARVEST
Interval												
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Regiment No Ricestar Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST	0	0	0	0	0	88
2	No Regiment Ricestar Dyne-A-Pak	0.086 1	lb ai/a % v/v	19 19.2	fl oz/a fl oz/a	MPOST MPOST	0	0	60	33	60	96
3	No Regiment Ricestar Dyne-A-Pak	0.109 1	lb ai/a % v/v	24 19.2	fl oz/a fl oz/a	MPOST MPOST	0	0	70	58	60	95
4	Regiment No Ricestar Dyne-A-Pak	0.025 1	lb ai/a % v/v	0.5 19.2	oz/a fl oz/a	MPOST MPOST	0	0	55	55	54	99
5	Regiment Ricestar Dyne-A-Pak	0.025 0.086 1	lb ai/a lb ai/a % v/v	0.5 19 19.2	oz/a fl oz/a fl oz/a	MPOST MPOST MPOST	0	0	56	38	59	97
6	Regiment Ricestar Dyne-A-Pak	0.025 0.109 1	lb ai/a lb ai/a % v/v	0.5 24 19.2	oz/a fl oz/a fl oz/a	MPOST MPOST MPOST	0	0	45	17	49	96

Continued

Table 2. Continued

						Jun-5-2025	Jun-26-2025	Jun-5-2025	Jun-26-2025	Jun-5-2025	Jun-26-2025	Aug-13-2025	
Rating Date						INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	
Rating Type						%	%	%	%	%	%	CM	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval													
Pest Type								W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code						RICE	RICE	ECHCG	ECHCG	BRAPP	BRAPP	RICE	
Treatment Appl.						14 DAT	35 DAT	14 DAT	35 DAT	14 DAT	35 DAT	AT HARVEST	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST	0	0	78	78	75	63	100
	No Ricestar												
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
8	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST	0	0	74	63	73	58	98
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
9	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST	0	0	70	57	70	53	100
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
LSD P=.05							.	.	10.7	12.2	10.4	14.0	7.3
Standard Deviation							0.0	0.0	7.3	7.1	7.1	9.6	5.0
CV							0.0	0.0	12.96	15.91	12.83	21.72	5.17
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	7.991	0.167	8.041	7.927	0.894
Replicate Prob(F)							NaN	NaN	0.0007	0.8479	0.0007	0.0008	0.4586
Treatment F							NaN	NaN	41.581	36.500	40.175	17.051	2.152
Treatment Prob(F)							NaN	NaN	0.0001	0.0001	0.0001	0.0001	0.0701

Continued

Table 2. Continued

						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date						HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT	YIELD	MOI CON
Rating Type						CM	CM	CM	CM	LB/PLOT	%
Rating Unit											
Rating											
Min/Max/Interval											0, 100, -
Pest Type											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	0	0
						8	9	10	11	12	13
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
1	No Regiment										
	No Ricestar						92	0	0	0	0
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
2	No Regiment							0	60	33	60
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST	101				
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
3	No Regiment							0	70	58	60
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST	100				
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
4	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST		0	55	55	54
	No Ricestar						101				
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
5	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST		0	56	38	59
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST	99				
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
6	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST		0	45	17	49
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST	97				
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					

Continued

Table 2. Continued

Table 27. Continued							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT	YIELD	MOI CON
Rating Type							CM	CM	CM	CM	LB/PLOT	%
Rating Unit												
Rating												
Min/Max/Interval												0, 100, -
Pest Type												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval												
Number of Decimals							0	0	0	0	2	1
							8	9	10	11	12	13
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	Regiment						102	103	104	102	8.00	18.1
	No Ricestar											
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
8	Regiment						102	101	102	101	8.05	17.4
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
9	Regiment						104	106	103	103	8.77	17.1
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
LSD P=.05							8.1	8.8	9.1	7.1	3.113	2.90
Standard Deviation							5.5	6.0	6.2	4.9	2.133	1.99
CV							5.56	5.98	6.21	4.93	26.64	12.03
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							0.908	2.287	2.997	2.048	1.601	1.449
Replicate Prob(F)							0.4518	0.1043	0.0506	0.1340	0.2154	0.2534
Treatment F							1.535	2.363	2.828	2.811	1.374	1.255
Treatment Prob(F)							0.1974	0.0493	0.0231	0.0238	0.2575	0.3120

Table 2 Continued

							Aug-13-2025	Aug-13-2025	Aug-13-2025
							YIELD	YIELD	YIELD
							LB/A	BU/A	KG/HA
							RICE	RICE	RICE
							AT HARVEST	AT HARVEST	AT HARVEST
							0	0	0
							14	15	16
Trt	Treatment	Rate	Other	Rate	Other	Appl			
No.	Name	Rate	Unit	Rate	Unit	Timing			
1	No Regiment						5405	120	6058
	No Ricestar								
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
2	No Regiment						4108	91	4605
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
3	No Regiment						3198	71	3584
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
4	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST	5683	126	6370
	No Ricestar								
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
5	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST	4987	111	5590
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
6	Regiment	0.025	lb ai/a	0.5	oz/a	MPOST	5373	119	6022
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			

Continued

Table 2. Continued

Rating Date							Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Type							YIELD	YIELD	YIELD
Rating Unit							LB/A	BU/A	KG/HA
Rating Min/Max/Interval									
Pest Type									
Pest Code							RICE	RICE	RICE
Treatment Appl. Interval							AT HARVEST	AT HARVEST	AT HARVEST
Number of Decimals							0	0	0
							14	15	16
Trt	Treatment	Rate	Rate	Other	Other	Appl			
No.	Name	Rate	Unit	Rate	Unit	Timing			
7	Regiment						4756	106	5331
	No Ricestar								
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
8	Regiment						4823	107	5406
	Ricestar	0.086	lb ai/a	19	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
9	Regiment						5276	117	5914
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST			
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST			
LSD P=.05							1900.8	42.2	2130.5
Standard Deviation							1302.4	28.9	1459.8
CV							26.88	26.88	26.88
Analyzed as							RCB	RCB	RCB
Replicate F							1.760	1.760	1.760
Replicate Prob(F)							0.1817	0.1817	0.1817
Treatment F							1.404	1.404	1.404
Treatment Prob(F)							0.2450	0.2450	0.2450
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>		<u>Pest Code</u>			
HEIGHT = height %,		0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US			
		YIELD = yield				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US			
		CM, , , = centimeter							
		LB/PLOT, , , = pounds per plot							
		KG/HA, , , = kilograms per hectare							

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Dyna-Gro Provisia Tolerance

Experiment number : **C25-15**
Location : RRS-Crowley, LA
Experimental design : Factorial (RCB)
Number of reps : 4
Plot size : 5'x17'
Row width/# per plot : 7"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : DG563PVL @ 60 LB/A
Planting date : 4/15/2025
Emergence date..... : 4/19/2025
Harvest date : 8/13/2025
Uniform Stand Treatment : Command oz/A + Shapen 2oz/A on 4/16/2025
..... : Gambit 1.5 oz/A + 1% COC on 5/23/2025

Application type.....	Spike-1lf	14 DA 1lf	2-3lf	28da 1lf	14DA2-3lf
Date applied [mm/dd/yy]	4/25/25	5/5/25	5/5/25	5/23	5/23
Time [hh:mm-hh:mm]	10:12-10:16a	6:19-6:25p	6:19-6:25p	10:23-10:29	10:23-10:29
Air/Soil temperature [F].....	78/73	79/74	79/74	81/71	81/71
Relative humidity [%].....	83%	46%	46%	84%	84%
Wind [mph, direction].....	8-10, S	6-8, E	6-8, E	4-6, SSE	4-6, SSE
Weather [sunny, etc].....	Sunny	Cloudy	Cloudy	prtly cloudy	prtly cloudy
Soil/Leaf surface moist	moist/dry	Moist/dry	Moist/dry	dry/wet	dry/wet
Crop stage/Height	1lf/3-5"	1-3lf/3-5"	1-3lf/3-5"	1-2til/8-12"	1-2til/8-12"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3	BKPK/3
Nozzle type/Size*	FF110015	FF/110015	FF/110015	FF110015	FF110015
Boom ht/# Noz/Spacing.....	15/5/15	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/21	15/21	15/21	15/21	15/21
Applied by	SBS	GRS	GRS	SBS	SBS

Weed Species (population) :- (height/#leaves) –
N/A

Flush Dates : 4/17/2025
Permanent Flood..... : 5/27/2025

***AMFF – Air mix flat fan nozzles**
4/16/25 101 one nozzle messed up

Application type..... : 28da2-3lf
 Date applied [mm/dd/yy] : 6/4/25
 Time [hh:mm-hh:mm] : 12:33-12:34
 Air/Soil temperature [F]..... : 85/80
 Relative humidity [%]..... : 75%
 Wind [mph, direction]..... : 5-7, SSE
 Weather [sunny, etc]..... : Sunny
 Soil/Leaf surface moist : Flood/dry
 Crop stage/Height : 3-4til/18-24"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : MTB

Table 3. Dyna-Gro Provisia Tolerance

						May-5-2025	May-13-2025	May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Type						%	%	%	%	CM	CM
Rating Unit											
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						10 DA 1LF	18 DA 1LF	18 DA 2-3LF	31 DA 2-3LF	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	0	0
						1	2	3	4	5	6
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
1	Spike-1 Leaf						0	0	0	0	94
	No Herbicide										90
2	Spike-1 Leaf						10	1	1	0	100
	Provisia	0.069	lb ai/a	10	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB					
3	Spike-1 Leaf						14	5	1	0	93
	Provisia	0.107	lb ai/a	15.5	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
4	Spike-1 Leaf						20	8	3	0	98
	Provisia	0.213	lb ai/a	31	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					

Continued

Table 3. Continued

Rating Date						May-5-2025	May-13-2025	May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025
Rating Type						INJURY	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit						%	%	%	%	CM	CM
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						10 DA 1LF	18 DA 1LF	18 DA 2-3LF	31 DA 2-3LF	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	0	0
						1	2	3	4	5	6
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
5	2-3 Leaf						0	0	0	93	95
	No Herbicide										
6	2-3 Leaf						0	4	3	93	98
	Provisia	0.069	lb ai/a	10	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB					
7	2-3 Leaf						0	9	4	100	99
	Provisia	0.107	lb ai/a	15.5	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
8	2-3 Leaf						0	10	5	94	95
	Provisia	0.213	lb ai/a	31	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
LSD P=.05						1.3	2.6	3.2	.	5.9	7.7
Standard Deviation						0.9	1.8	2.2	0.0	4.0	5.3
CV						16.16	39.24	106.16	0.0	4.21	5.51
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						1.000	1.565	0.616	NaN	6.351	2.611
Replicate Prob(F)						0.4123	0.2276	0.6123	NaN	0.0031	0.0783
Treatment F						329.000	19.729	2.664	NaN	2.066	1.047
Treatment Prob(F)						0.0001	0.0001	0.0386	NaN	0.0937	0.4300

Continued

Table 3. Continued

						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
						HEIGHT	HEIGHT	AVG HEIGHT	YIELD	MOI CON	YIELD
						CM	CM	CM	LB/PLOT	%	LB/A
										0, 100, -	
						RICE	RICE	RICE	RICE	RICE	RICE
						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
						0	0	0	2	1	0
						7	8	9	10	11	12
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
1	Spike-1 Leaf						92	92	8.23	18.0	4775
	No Herbicide										106
2	Spike-1 Leaf						101	99	9.94	19.3	5675
	Provisia	0.069	lb ai/a	10	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB					
3	Spike-1 Leaf						97	96	10.09	18.5	5815
	Provisia	0.107	lb ai/a	15.5	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
4	Spike-1 Leaf						98	97	10.32	18.8	5934
	Provisia	0.213	lb ai/a	31	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					

Continued

Table 3. Continued

						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date						HEIGHT	HEIGHT	AVG HEIGHT	YIELD	MOI CON	YIELD
Rating Type						CM	CM	CM	LB/PLOT	%	LB/A
Rating Unit											
Rating										0, 100, -	
Min/Max/Interval											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	2	1	0
						7	8	9	10	11	12
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
5	2-3 Leaf						92	96	94	9.02	5226
	No Herbicide										
6	2-3 Leaf						99	96	97	10.58	6053
	Provisia	0.069	lb ai/a	10	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB					
7	2-3 Leaf						101	100	100	10.06	5760
	Provisia	0.107	lb ai/a	15.5	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
8	2-3 Leaf						98	100	97	10.73	6069
	Provisia	0.213	lb ai/a	31	fl oz/a						
	COC	1	% v/v	19.2	fl oz/a						
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA					
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA					
LSD P=.05							7.3	7.2	4.7	1.362	769.6
Standard Deviation							5.0	4.9	3.2	0.926	523.4
CV							5.14	5.03	3.34	9.39	9.24
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							1.962	0.383	4.317	0.645	0.646
Replicate Prob(F)							0.1507	0.7660	0.0161	0.5947	0.5938
Treatment F							1.448	1.462	2.271	3.300	2.928
Treatment Prob(F)							0.2391	0.2341	0.0689	0.0158	0.0265

Continued

Table 3. Continued

Rating Date						Aug-13-2025	Aug-13-2025
Rating Type						YIELD	YIELD
Rating Unit						BU/A	KG/HA
Rating Min/Max/Interval							
Pest Code						RICE	RICE
Treatment Appl. Interval						AT HARVEST	AT HARVEST
Number of Decimals						0	0
						13	14
Trt	Treatment	Rate	Rate	Other	Other	Appl	
No.	Name	Rate	Unit	Rate	Unit	Timing	
1	Spike-1 Leaf						
	No Herbicide						106
2	Spike-1 Leaf						5352
	Provisia	0.069	lb ai/a	10	fl oz/a		126
	COC	1	% v/v	19.2	fl oz/a		6361
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA	
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA	
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB	
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB	
3	Spike-1 Leaf						
	Provisia	0.107	lb ai/a	15.5	fl oz/a		129
	COC	1	% v/v	19.2	fl oz/a		6518
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA	
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA	
4	Spike-1 Leaf						
	Provisia	0.213	lb ai/a	31	fl oz/a		132
	COC	1	% v/v	19.2	fl oz/a		6651
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA	
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA	

Continued

Table 3. Continued

x	Rating Date						Aug-13-2025	Aug-13-2025
	Rating Type						YIELD	YIELD
	Rating Unit						BU/A	KG/HA
	Rating Min/Max/Interval							
	Pest Code						RICE	RICE
	Treatment Appl. Interval						AT HARVEST	AT HARVEST
	Number of Decimals						0	0
					Other		13	14
Trt	Treatment		Rate	Other	Other	Appl		
No.	Name	Rate	Unit	Rate	Unit	Timing		
5	2-3 Leaf						116	5857
	No Herbicide							
6	2-3 Leaf						135	6785
	Provisia	0.069	lb ai/a	10	fl oz/a			
	COC	1	% v/v	19.2	fl oz/a			
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAA		
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA		
	Provisia	0.069	lb ai/a	10	fl oz/a	10-14 DAB		
	COC	1	% v/v	19.2	fl oz/a	10-14 DAB		
7	2-3 Leaf						128	6457
	Provisia	0.107	lb ai/a	15.5	fl oz/a			
	COC	1	% v/v	19.2	fl oz/a			
	Provisia	0.107	lb ai/a	15.5	fl oz/a	10-14 DAA		
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA		
8	2-3 Leaf						135	6802
	Provisia	0.213	lb ai/a	31	fl oz/a			
	COC	1	% v/v	19.2	fl oz/a			
	Provisia	0.213	lb ai/a	31	fl oz/a	10-14 DAA		
	COC	1	% v/v	19.2	fl oz/a	10-14 DAA		
	LSD P=.05						17.1	862.6
	Standard Deviation						11.6	586.6
	CV						9.24	9.24
	Analyzed as						RCB	RCB
	Replicate F						0.646	0.646
	Replicate Prob(F)						0.5938	0.5938
	Treatment F						2.928	2.928
	Treatment Prob(F)						0.0265	0.0265

Rating Type

HEIGHT = height

YIELD = yield

Rating Unit

%, 0, 100, = percent

CM, , , = centimeter

LB/PLOT, , , = pounds per plot

KG/HA, , , = kilograms per hectare

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TVE Post Mixtures for Grass Control

Experiment number : **C25-19**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 70 LB/A
 Planting date : 4/15/25
 Emergence date..... : 4/20/25
 Harvest date : 8/13/25
 Uniform Standard Treatment..... : Sharpen 2oz/A on 4/16
 : Gambit 1.5 oz/A + 1% COC on 5/5
 : Gambit 1oz/A + 1% COC on 5/27

Application type : MPOST
 Date applied [mm/dd/yy] : 5/23/25
 Time [hh:mm-hh:mm] : 10:39-11:03a
 Air/Soil temperature [F] : 81/71
 Relative humidity [%] : 98%
 Wind [mph, direction] : 3-5, SE
 Weather [sunny, etc]..... : Ptly cloudy
 Soil/Leaf surface moist..... : Dry/moist
 Crop stage/Height..... : 1-3til/5-17"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : SBS

Weed Species (population)..... :- (height/#leaves) –
 ECHCG (5-8m²) : 5-10"/5lf-2til
 BRAPP (10-15m²)..... : 2-7"/3lf-2til
 LEFPA (3-5m²)..... : 2-3"/1-2lf

Flush Dates : 4/17/25
 Permanent Flood..... : 5/28/25

***AMFF – Air mix flat fan nozzles**

Table 4. TVE Post Mixtures for Grass Control

						Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025	
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP	
Treatment Appl. Interval						13 DAT	27 DAT	53 DAT	13 DAT	27 DAT	53 DAT	13 DAT	
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No TVE						0	0	0	0	0	0	
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	MPOST							
2	No TVE						0	0	0	11	11	15	50
	Stam	4	lb ai/a	4	qt/a	MPOST							
3	No TVE						0	0	0	21	15	44	54
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
4	No TVE						0	0	0	74	76	91	86
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST							
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST							
5	No TVE						0	0	0	55	69	74	38
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
6	No TVE						0	0	0	9	8	20	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							

Continued

Table 4. Continued

						Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
Treatment Appl. Interval						13 DAT	27 DAT	53 DAT	13 DAT	27 DAT	53 DAT	13 DAT
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	No TVE						0	0	0	39	28	48
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST						
	COC	1	% v/v	19.2	fl oz/a	MPOST						
8	No TVE						0	0	0	53	63	76
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST						
	COC	1	% v/v	19.2	fl oz/a	MPOST						
9	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	31	36	54
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	MPOST						
10	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	45	69	80
	Stam	4	lb ai/a	4	qt/a	MPOST						
11	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	43	48	63
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST						
	COC	1	% v/v	19.2	fl oz/a	MPOST						
12	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	63	88	96
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST						
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST						
13	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	66	76	90
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
14	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	31	34	46
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST						
	COC	1	% v/v	19.2	fl oz/a	MPOST						
15	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	78	85	91
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST						
	COC	1	% v/v	19.2	fl oz/a	MPOST						

Continued

Table 4. Continued

Rating Date						Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025	Jun-19-2025	Jul-15-2025	Jun-5-2025
Rating Type						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%	%
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
Treatment Appl. Interval						13 DAT	27 DAT	53 DAT	13 DAT	27 DAT	53 DAT	13 DAT
Number of Decimals						0	0	0	0	0	0	0
				Other		1	2	3	4	5	6	7
Trt Treatment		Rate	Other	Rate	Appl							
No. Name		Rate	Unit	Rate	Unit	Timing						
16 TVE		0.112	lb ai/a	4.3	fl oz/a	MPOST	0	0	0	74	87	94
Ricestar		0.109	lb ai/a	24	fl oz/a	MPOST						
COC		1	% v/v	19.2	fl oz/a	MPOST						
LSD P=.05							.	.	.	9.5	11.0	11.6
Standard Deviation							0.0	0.0	0.0	6.7	7.8	8.2
CV							0.0	0.0	0.0	15.44	15.7	13.34
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	NaN	5.371	1.140	1.015
Replicate Prob(F)							NaN	NaN	NaN	0.0030	0.3430	0.3949
Treatment F							NaN	NaN	NaN	54.172	62.997	55.616
Treatment Prob(F)							NaN	NaN	NaN	0.0001	0.0001	0.0001

Continued

Table 4. Continued

Table 4. Continued						Jun-19-2025	Jul-15-2025	Jun-19-2025	Jul-15-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type													
Rating Unit							%	%	%	CM	CM	CM	
Rating							0, 100, -	0, 100, -	0, 100, -				
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed				
Pest Code						BRAPP	BRAPP	LEFPA	LEFPA	RICE	RICE	RICE	
Treatment Appl.													
Interval						27 DAT	53 DAT	27 DAT	53 DAT	AT HARVEST	AT HARVEST	AT HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No TVE						0	0	0	0	94	96	98
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	MPOST							
2	No TVE						38	46	29	20	96	97	99
	Stam	4	lb ai/a	4	qt/a	MPOST							
3	No TVE						31	48	0	0	98	92	98
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
4	No TVE						80	90	66	36	98	99	101
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST							
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST							
5	No TVE						28	39	13	0	98	101	101
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
6	No TVE						0	0	0	0	98	97	96
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							

Continued

Table 4. Continued

Table 11-Continued						Jun-19-2025	Jul-15-2025	Jun-19-2025	Jul-15-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type													
Rating Unit							%	%	%	CM	CM	CM	
Rating							0, 100, -	0, 100, -	0, 100, -				
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed				
Pest Code						BRAPP	BRAPP	LEFPA	LEFPA	RICE	RICE	RICE	
Treatment Appl.													
Interval						27 DAT	53 DAT	27 DAT	53 DAT	AT HARVEST	AT HARVEST	AT HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	No TVE						78	80	39	31	100	100	101
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
8	No TVE						90	93	88	92	97	102	101
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
9	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	49	66	36	34	98	99	100
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	MPOST							
10	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	80	94	69	46	99	101	101
	Stam	4	lb ai/a	4	qt/a	MPOST							
11	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	81	86	49	39	98	102	102
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
12	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	94	96	75	51	105	106	104
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST							
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST							
13	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	86	91	29	28	99	98	98
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
14	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	34	56	14	26	97	101	100
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
15	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	91	97	80	64	104	100	102
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							

Continued

Table 4. Continued

Table W Continued						Jun-19-2025	Jul-15-2025	Jun-19-2025	Jul-15-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type							%	%	%				
Rating Unit										CM	CM	CM	
Rating							0, 100, -	0, 100, -	0, 100, -				
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed				
Pest Code						BRAPP	BRAPP	LEFPA	LEFPA	RICE	RICE	RICE	
Treatment Appl.						27 DAT	53 DAT	27 DAT	53 DAT	AT HARVEST	AT HARVEST	AT HARVEST	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
16	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	94	97	94	97	104	103	104
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
LSD P=.05							10.8	14.3	9.9	8.5	7.7	6.7	6.2
Standard Deviation							7.6	10.1	7.0	5.9	5.4	4.7	4.4
CV							12.73	14.92	16.42	16.87	5.49	4.75	4.36
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							1.777	1.341	0.674	2.084	2.758	1.144	0.388
Replicate Prob(F)							0.1651	0.2730	0.5726	0.1156	0.0537	0.3423	0.7619
Treatment F							78.050	43.114	88.377	102.559	1.125	1.722	0.910
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.3647	0.0824	0.5595

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Table 4. Continued

						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD	
Rating Type						CM	CM	LB/PLOT	%	LB/A	BU/A	KG/HA	
Rating Unit													
Rating									0, 100, -				
Min/Max/Interval													
Pest Type													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	0	
						Other	15	16	17	18	19	20	21
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No TVE						93	95	3.73	13.5	2372	53	2658
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	MPOST							
2	No TVE						100	98	5.36	13.7	3405	76	3816
	Stam	4	lb ai/a	4	qt/a	MPOST							
3	No TVE						99	97	4.63	14.1	2928	65	3282
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
4	No TVE						100	100	7.49	15.4	4663	104	5227
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST							
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST							
5	No TVE						101	100	5.51	14.3	3477	77	3897
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
6	No TVE						92	96	3.52	14.5	2218	49	2486
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							

Continued

Table 4. Continued

Rating Date						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Type						HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD	
Rating Unit						CM	CM	LB/PLOT	%	LB/A	BU/A	KG/HA	
Rating Min/Max/Interval									0, 100, -				
Pest Type													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	0	
Other						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	No TVE						101	101	5.44	16.2	3359	75	3765
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
8	No TVE						101	100	7.45	18.0	4505	100	5050
	Ricestar	0.109	lb ai/a	24	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
9	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	97	99	5.32	16.5	3275	73	3671
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	MPOST							
10	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	99	100	7.12	17.3	4341	96	4866
	Stam	4	lb ai/a	4	qt/a	MPOST							
11	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	99	100	5.70	17.5	3465	77	3884
	Facet	0.375	lb ai/a	32	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
12	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	102	104	7.29	16.5	4494	100	5038
	Loyant	0.0261	lb ai/a	16	fl oz/a	MPOST							
	MSO	0.5	% v/v	9.6	fl oz/a	MPOST							
13	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	102	99	6.50	20.1	3822	85	4284
	Regiment	0.03	lb ai/a	0.6	oz/a	MPOST							
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST							
14	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	102	100	5.58	17.1	3410	76	3822
	Grasp	0.036	lb ai/a	2.3	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							
15	TVE	0.112	lb ai/a	4.3	fl oz/a	MPOST	101	102	7.30	20.3	4284	95	4801
	Clincher	0.28	lb ai/a	15	fl oz/a	MPOST							
	COC	1	% v/v	19.2	fl oz/a	MPOST							

Continued

Table 4. Continued

Rating Date						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Type						HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD
Rating Unit						CM	CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Min/Max/Interval									0, 100, -			
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT	AT	AT	AT	AT	AT	AT
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals						0	0	2	1	0	0	0
			Other			15	16	17	18	19	20	21
Trt Treatment		Rate	Other	Rate	Appl							
No. Name		Rate	Unit	Rate	Unit Timing							
16 TVE		0.112	lb ai/a	4.3	fl oz/a MPOST	103	103	7.88	20.7	4603	102	5160
Ricestar		0.109	lb ai/a	24	fl oz/a MPOST							
COC		1	% v/v	19.2	fl oz/a MPOST							
LSD P=.05						7.6	5.1	1.305	2.35	819.3	18.2	918.3
Standard Deviation						5.3	3.6	0.914	1.64	573.7	12.7	643.0
CV						5.38	3.58	15.38	10.02	15.74	15.74	15.74
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						2.454	0.908	2.197	0.741	2.136	2.136	2.136
Replicate Prob(F)						0.0761	0.4449	0.1029	0.5339	0.1103	0.1103	0.1103
Treatment F						1.424	1.843	8.493	7.026	7.038	7.038	7.038
Treatment Prob(F)						0.1799	0.0594	0.0001	0.0001	0.0001	0.0001	0.0001
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>		<u>Pest Code</u>						
YIELD = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US						
		CM, , , = centimeter				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US						
		LB/PLOT, , , = pounds per plot				LEFPA, Leptochloa panicoides, Tighthead sprangletop = US						
		KG/HA, , , = kilograms per hectare										

LSU AgCenter
School of Plant, Environmental and Soil Sciences

TVE Demo – Medium Soil

Experiment number : **C25-20**
Location : RRS-Crowley, LA
Experimental design : RCB
Number of reps : 1
Plot size : 10'x100'
Row width/# per plot : 7"/16
Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : PVL03 @ 70 lb/A
Planting date : 4/14/25
Emergence date : 4/20/25
Harvest date : 8/14/25

Application type	PRE	EPOST 15-17	EPOST 28-30
Date applied [mm/dd/yy]	4/17/25	5/23/25	5/27/25
Time [hh:mm-hh:mm]	11:35-11:57a	1:00-1:07p	12:45-12:47p
Air/Soil temperature [F]	78/73	84/74	81/71
Relative humidity [%]	80%	74%	68%
Wind [mph, direction]	8-10, SE	3-5, SSW	4, SSE
Weather [sunny, etc]	prtlly cloudy	Sunny	Sunny
Soil/Leaf surface moist	dry/NA	Dry/dry	Moist/dry
Crop stage/Height	NA	1-2til/7-12"	1-3til/8-14"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/11001	FF/11001	FF/11001
Boom ht/# Noz/Spacing	20/7/20	20/7/20	20/7/20
GPA/PSI	10/33	10/33	10/33
Applied by	DJZ/CB	SBS/MTB	GRS/MTB

Weed Species (population) :----- (height/#leaves) -----

CYPIR (10-12m ²)	NA	2-4"/3-6lf	3-4"/4-5lf
ALRPH (0-1m ²)	NA	5-10"/14-24lf	6-12"/16-24lf
SEBEX (0-1m ²)	NA	3-5"/4-8lf	3-8"/6-8
BRAPP (0-2m ²)	NA	3-6"/3-5lf	4-8"/2-5lf
ECHCG (5-8m ²)	NA	2-5"/3lf-1til	4-6"/3lf-1til

Flush Dates : 4/17/25
Permanent Flood : 5/28/25

***AMFF – Air mix flat fan nozzles**

Table5. TVE Demo – Medium Soil

						May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	Jul-7-2025	May-6-2025	May-13-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type											W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	RICE	RICE	ECHCG	ECHCG
Treatment Appl.						19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	45 DA EPOST	19 DA PRE	26 DA PRE
Interval												
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Command	8	fl oz/a	0.188	lb ai/a	PRE	.	10	0	0	0	80
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
3	Command	8	fl oz/a	0.188	lb ai/a	PRE	.	10	0	0	95	90
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
4	Command	8	fl oz/a	0.188	lb ai/a	PRE	.	10	0	0	90	85
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						

Continued

Table 5. Continued

Table of Continued						May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	Jul-7-2025	May-6-2025	May-13-2025	
Rating Date						INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type											W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	RICE	RICE	ECHCG	ECHCG	
Treatment Appl.						19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	45 DA EPOST	19 DA PRE	26 DA PRE	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
5	Command	8	fl oz/a	0.188	lb ai/a	PRE	.	5	0	0	0	95	90
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
6	Command	8	fl oz/a	0.188	lb ai/a	PRE	.	5	0	0	0	95	90
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
LSD P=.05													
Standard Deviation													
CV													

Continued

Table 5. Continued

						May-23-2025	Jun-5-2025	May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP	CYPIR
Treatment Appl.						36 DA PRE	13 DA EPOST	19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	19 DA PRE
Interval												
Number of Decimals						0	0	0	0	0	0	0
						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Command	8	fl oz/a	0.188	lb ai/a	PRE	20	0	80	80	20	40
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
3	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	90	95	90	70	45
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
4	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	60	90	80	60	40
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						

Continued

Table 5. Continued

						May-23-2025	Jun-5-2025	May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	May-6-2025	
						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
						%	%	%	%	%	%	%	
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP	CYPIR	
Treatment Appl.						36 DA PRE	13 DA EPOST	19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	19 DA PRE	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
5	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	95	95	90	80	95	50
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
6	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	95	95	90	80	95	65
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
LSD P=.05													
Standard Deviation													
CV													

Continued

Table 5. Continued

						May-13-2025	Jun-5-2025	May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						CYPIR	CYPIR	SEBEX	SEBEX	SEBEX	SEBEX	ALRPH
Treatment Appl.						26 DA PRE	13 DA EPOST	19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	19 DA PRE
Interval												
Number of Decimals						0	0	0	0	0	0	0
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Command	8	fl oz/a	0.188	lb ai/a	PRE	40	70	85	90	80	60
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
3	Command	8	fl oz/a	0.188	lb ai/a	PRE	40	90	75	90	80	80
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
4	Command	8	fl oz/a	0.188	lb ai/a	PRE	40	75	80	90	80	90
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						

Continued

Table 5. Continued

						May-13-2025	Jun-5-2025	May-6-2025	May-13-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						CYPIR	CYPIR	SEBEX	SEBEX	SEBEX	SEBEX	ALRPH
Treatment Appl.						26 DA PRE	13 DA EPOST	19 DA PRE	26 DA PRE	36 DA PRE	13 DA EPOST	19 DA PRE
Interval												
Number of Decimals						0	0	0	0	0	0	0
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
5	Command	8	fl oz/a	0.188	lb ai/a	PRE	50	90	80	90	80	90
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						85
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
6	Command	8	fl oz/a	0.188	lb ai/a	PRE	60	90	80	90	80	90
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						95
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
LSD P=.05												
Standard Deviation												
CV												

Continued

Table 5. Continued

						May-13-2025	May-23-2025	Jun-5-2025	Jul-7-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type						%	%	%	%	CM	CM	CM
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -			
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code						ALRPH	ALRPH	ALRPH	LEFPA	RICE	RICE	RICE
Treatment Appl.						26 DA PRE	36 DA PRE	13 DA	45 DA	AT	AT	AT
Interval								EPOST	EPOST	HARVEST	HARVEST	HARVEST
Number of Decimals						0	0	0	0	0	0	0
						22	23	24	25	26	27	28
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	94	94	103
2	Command	8	fl oz/a	0.188	lb ai/a	PRE	75	80	60	0	87	97
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
3	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	50	70	60	106	104
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE						
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						
4	Command	8	fl oz/a	0.188	lb ai/a	PRE	80	50	80	25	108	107
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE						
	Command	8	fl oz/a	0.188	lb ai/a	EPOST						
	Stam	3	qt/a	3	lb ai/a	EPOST						
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST						
	COC	1	% v/v	0.836	lb ai/a	EPOST						

Continued

Table 5. Continued

						May-13-2025	May-23-2025	Jun-5-2025	Jul-7-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type						%	%	%	%	CM	CM	CM	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -				
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed				
Pest Code						ALRPH	ALRPH	ALRPH	LEFPA	RICE	RICE	RICE	
Treatment Appl.						26 DA PRE	36 DA PRE	13 DA	45 DA	AT	AT	AT	
Interval								EPOST	EPOST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
						22	23	24	25	26	27	28	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
5	Command	8	fl oz/a	0.188	lb ai/a	PRE	85	80	90	95	113	121	112
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
6	Command	8	fl oz/a	0.188	lb ai/a	PRE	90	80	90	95	114	118	119
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
LSD P=.05													
Standard Deviation													
CV													

Continued

Table 5. Continued

Rating Date						Aug-13-2025	Aug-13-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	
Rating Type						HEIGHTS	AVG HEIGHT	YIELD	MOICON	YIELD	YIELD	YIELD	
Rating Unit						CM	CM	lb/plot	%	LB/A	BU/A	KG/HA	
Rating Min/Max/Interval						0, 100, -							
Pest Type													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl. Interval						AT HARVEST	AT HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	0	
						29	30	31	32	33	34	35	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						93	96	9.55	12.5	535	12	600
2	Command	8	fl oz/a	0.188	lb ai/a	PRE	90	93	15.72	11.4	892	20	1000
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
3	Command	8	fl oz/a	0.188	lb ai/a	PRE	114	106	113.30	11.7	6409	142	7183
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
4	Command	8	fl oz/a	0.188	lb ai/a	PRE	107	107	75.88	14.0	4180	93	4685
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							

Continued

Table 5. Continued

Table 3. Continued						Aug-13-2025	Aug-13-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	
Rating Date						HEIGHTS	AVG HEIGHT	YIELD	MOICON	YIELD	YIELD	YIELD	
Rating Type						CM	CM	lb/plot	%	LB/A	BU/A	KG/HA	
Rating Unit													
Rating									0, 100, -				
Min/Max/Interval													
Pest Type													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT						
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	0	
						29	30	31	32	33	34	35	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
5	Command	8	fl oz/a	0.188	lb ai/a	PRE	105	113	120.90	13.6	6691	149	7500
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
6	Command	8	fl oz/a	0.188	lb ai/a	PRE	116	117	122.40	12.8	6837	152	7663
	TVE29	4.3	oz/a	0.112	lb ai/a	PRE							
	Sharpen	2	fl oz/a	0.0445	lb ai/a	PRE							
	Command	8	fl oz/a	0.188	lb ai/a	EPOST							
	TVE29	4.3	oz/a	0.112	lb ai/a	EPOST							
	Stam	3	qt/a	3	lb ai/a	EPOST							
	Gambit	1.5	oz/a	0.074	lb ai/a	EPOST							
	COC	1	% v/v	0.836	lb ai/a	EPOST							
LSD P=.05													
Standard Deviation													
CV													
Rating Type		Rating Unit		Pest Type		Pest Code							
YIELD = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US							
MOICON = moisture content		CM, , , = centimeter				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US							
		lb/plot, , , = pounds per plot				CYPIR, Cyperus iria, Rice flatsedge = US							
		KG/HA, , , = kilograms per hectare				SEBEX, Sesbania herbacea, Hemp sesbania = US							
						ALRPH, Alternanthera philoxeroides, Alligatorweed = US							
						LEFPA, Leptochloa panicoides, Tighthead sprangletop = US							

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Keenali Complete Use When Impregnated on Fertilizer and Used in Pinpoint Flooded Rice Systems

Experiment number : **C25-31**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps : 4
Plot size : 5'x17'
Row width/# per plot..... : Broadcast
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : PVL03 @ 100 LB/A (WATERSEEDED)
Planting date : 4/17/2025
Emergence date..... : 4/22/2025
Harvest date : 8/12/2025
Uniform Stand Treatment..... : Stam 3 qts/A & Gambit 1oz/A on 5/5/2025

Application type : SEED
Date applied [mm/dd/yy] : 4/21/25
Time [hh:mm-hh:mm] : 2:15-2:22p
Air/Soil temperature [F] : 83/73
Relative humidity [%] : 62%
Wind [mph, direction] : 8-10 S
Weather [sunny, etc]..... : Partly Cloudy
Soil/Leaf surface moist..... : moist/NA
Crop stage/Height..... : SEED
Sprayer type/MPH : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing..... : 18/5/15
GPA/PSI : 15/21
Applied by : GRS

Flush Dates : 4/21/2025
Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

205 received nontreated and treated fertilizer

Table 6. Keenali Complete Use When Impregnated on Fertilizer and Used in Medium/Long Grain Pinpoint Flooded Rice Systems

Rating Date						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	STAND LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Gambit(Check)	1	oz/a	0.0494	lb ai/a	PRE	0	0	0	0	0	0
2	Gambit	1	oz/a	0.0494	lb ai/a	PRE	10	0	0	10	0	0
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
3	Gambit	1	oz/a	0.0494	lb ai/a	PRE	8	4	0	0	0	8
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
4	Gambit	1	oz/a	0.0494	lb ai/a	PRE	13	9	0	5	0	13
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
5	Gambit	1	oz/a	0.0494	lb ai/a	PRE	13	3	1	13	0	0
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
6	Gambit	1	oz/a	0.0494	lb ai/a	PRE	4	1	0	0	0	4
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
7	Gambit	1	oz/a	0.0494	lb ai/a	PRE	10	6	0	9	0	8
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
LSD P=.05						4.4	4.0	1.4	4.1	.	.	3.3
Standard Deviation						2.9	2.7	0.9	2.7	0.0	0.0	2.2
CV						36.56	84.29	529.15	52.67	0.0	0.0	50.39
Replicate F						3.414	0.811	1.000	0.440	NaN	NaN	3.471
Replicate Prob(F)						0.0399	0.5044	0.4155	0.7272	NaN	NaN	0.0379
Treatment F						10.103	5.919	1.000	15.240	NaN	NaN	18.882
Treatment Prob(F)						0.0001	0.0015	0.4552	0.0001	NaN	NaN	0.0001

Continued

Table 6. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND LOSS	STAND LOSS	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit						%	%	CM	CM	CM	CM	CM
Rating Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Gambit(Check)	1	oz/a	0.0494	lb ai/a	PRE	0	0	12	12	13	13
2	Gambit	1	oz/a	0.0494	lb ai/a	PRE	0	0	12	11	11	15
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
3	Gambit	1	oz/a	0.0494	lb ai/a	PRE	4	0	12	11	12	12
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
4	Gambit	1	oz/a	0.0494	lb ai/a	PRE	9	0	11	10	11	13
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
5	Gambit	1	oz/a	0.0494	lb ai/a	PRE	3	1	12	12	11	13
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
6	Gambit	1	oz/a	0.0494	lb ai/a	PRE	1	0	13	11	12	14
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
7	Gambit	1	oz/a	0.0494	lb ai/a	PRE	6	0	11	11	11	12
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED						
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED						
LSD P=.05						4.5	1.4	2.3	2.0	2.0	3.5	1.1
Standard Deviation						3.1	0.9	1.6	1.3	1.4	2.4	0.7
CV						95.01	529.15	13.32	12.39	11.93	18.18	6.29
Replicate F						1.149	1.000	9.733	8.737	12.447	2.943	11.989
Replicate Prob(F)						0.3564	0.4155	0.0005	0.0009	0.0001	0.0609	0.0002
Treatment F						4.660	1.000	1.367	1.421	1.075	1.073	2.583
Treatment Prob(F)						0.0050	0.4552	0.2802	0.2606	0.4130	0.4143	0.0552

Continued

Table 6. Continued

Rating Date						Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-12-2025
Rating Type						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD
Rating Unit						CM	CM	CM	CM	CM	LB/PLOT
Rating											
Min/Max/Interval											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	0	2
						22	23	24	25	26	27
Trt	Treatment	Rate	Other	Rate	Other						
No.	Name	Rate	Unit	Rate	Unit	Appl					
						Timing					
1	Gambit(Check)	1	oz/a	0.0494	lb ai/a	PRE	107	106	107	107	12.54
2	Gambit	1	oz/a	0.0494	lb ai/a	PRE	106	105	107	110	12.79
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED					
3	Gambit	1	oz/a	0.0494	lb ai/a	PRE	104	108	109	105	13.21
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED					
4	Gambit	1	oz/a	0.0494	lb ai/a	PRE	106	109	107	106	13.73
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED					
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED					
5	Gambit	1	oz/a	0.0494	lb ai/a	PRE	106	106	109	110	12.86
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED					
6	Gambit	1	oz/a	0.0494	lb ai/a	PRE	107	108	107	107	11.06
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED					
7	Gambit	1	oz/a	0.0494	lb ai/a	PRE	106	108	109	109	12.39
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED					
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED					
LSD P=.05							6.7	6.3	5.2	4.0	1.309
Standard Deviation							4.5	4.2	3.5	2.7	0.881
CV							4.28	3.94	3.27	2.49	6.96
Replicate F							0.926	0.848	2.636	2.093	1.086
Replicate Prob(F)							0.4485	0.4854	0.0811	0.1369	0.3801
Treatment F							0.145	0.576	0.500	1.963	3.573
Treatment Prob(F)							0.9878	0.7446	0.8001	0.1249	0.0165

Continued

Table 6. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	BU/A	KG
Rating Unit										
Rating Min/Max/Interval							0, 100, -			
Pest Code							RICE	RICE	RICE	RICE
Treatment Appl. Interval							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Number of Decimals							1	0	0	0
							28	29	30	31
Trt	Treatment	Rate	Other	Other	Rate	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Gambit(Check)	1	oz/a	0.0494	lb ai/a	PRE	9.3	8123	181	9105
2	Gambit	1	oz/a	0.0494	lb ai/a	PRE	9.8	8243	183	9239
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED				
3	Gambit	1	oz/a	0.0494	lb ai/a	PRE	7.7	8700	193	9752
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED				
4	Gambit	1	oz/a	0.0494	lb ai/a	PRE	8.7	8936	199	10016
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED				
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED				
5	Gambit	1	oz/a	0.0494	lb ai/a	PRE	10.3	8241	183	9237
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED				
6	Gambit	1	oz/a	0.0494	lb ai/a	PRE	15.5	6669	148	7474
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED				
7	Gambit	1	oz/a	0.0494	lb ai/a	PRE	9.7	7993	178	8959
	TVE29-R036	4.3	fl oz/a	0.112	lb ai/a	SEED				
	Command 3ME	10.75	fl oz/a	0.252	lb ai/a	SEED				
LSD P=.05							4.06	1027.4	22.8	1151.6
Standard Deviation							2.73	691.6	15.4	775.2
CV							26.93	8.51	8.51	8.51
Replicate F							2.128	1.401	1.401	1.401
Replicate Prob(F)							0.1323	0.2749	0.2749	0.2749
Treatment F							3.321	4.399	4.399	4.399
Treatment Prob(F)							0.0222	0.0066	0.0066	0.0066

Rating Type

HEIGHT = height

YIELD = yield

MOICON = moisture content

Rating Unit

%, 0, 100, = percent

CM, , , = centimeter

LB/PLOT, , , = pounds per plot

KG, , , = kilogram

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Keenali Complete Positioning for Weed Control and Crop Safety in Conventional Rice on Medium Soils

Experiment number : **C25-32**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 3
 Plot size : 10'x30'
 Row width/# per plot : 7"/16
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03
 Planting date : 6/1/2025
 Emergence date..... : 6/7/2025
 Harvest date : 9/30/2025
 Uniform Stand Treatment..... : Gambit 1.5 oz/A + 1% COC on 7/15/25
 : Provisia 15.5 fl oz/A + 1% COC on 7/28/25

Application type	PRE	3lf	PREFLOOD
Date applied [mm/dd/yy]	6/7/25	7/1/25	7/15/25
Time [hh:mm-hh:mm]	10:41-11:04a	3:50-4:12	10:30-10:40
Air/Soil temperature [F]	88/78	90/80	86/76
Relative humidity [%]	66%	58%	81%
Wind [mph, direction]	8-10, SW	3-5, WSW	4-6, W
Weather [sunny, etc].....	sunny	sunny	SUNNY
Soil/Leaf surface moist.....	dry/ NA	dry/dry	MOIST/DRY
Crop stage/Height.....	NA	3-4 lf/4-6"	4lf-1Ttl/8-10"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/11001	FF/11001	FF/11001
Boom ht/# Noz/Spacing.....	20/7/15	20/7/20	20/7/20
GPA/PSI	10/33	10/33	10/33
Applied by	SBS/MTB	MTB/DJZ	MTB/SBS

Weed Species (population) :----- (height/#leaves) -----
 ECHCG (25-30 m²) : NA 2-3"/2-3lf 4-7"/ 4-5LF

Flush Dates : NA
 Permanent Flood..... : 7/17/2025

***AMFF – Air mix flat fan nozzles**

Table 7. Keenali Complete Positioning for Weed Control and Crop Safety in Conventional Rice in Medium Soils

Rating Date						Jun-27-2025	Jul-15-2025	Jul-28-2025	Jun-27-2025	Jul-15-2025	Jul-28-2025	Sep-30-2025
Rating Type						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	HEIGHTS
Rating Unit						%	%	%	%	%	%	CM
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	RICE
Treatment Appl.						20 DA PRE	14 DA 3LF	27 DA 3LF	20 DA PRE	14 DA 3LF	27 DA 3LF	AT HARVEST
Interval												
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	0	0	0	0	0	98
2	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3	0	0	62	42	90
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
3	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	2	0	0	65	47	95
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						

Continued

Table 7. Continued

Table 17 Continued						Jun-27-2025	Jul-15-2025	Jul-28-2025	Jun-27-2025	Jul-15-2025	Jul-28-2025	Sep-30-2025	
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	HEIGHTS	
Rating Type						%	%	%	%	%	%	CM	
Rating Unit						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Rating													
Min/Max/Interval													
Pest Type									W, Weed	W, Weed	W, Weed		
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	RICE	
Treatment Appl.						20 DA PRE	14 DA 3LF	27 DA 3LF	20 DA PRE	14 DA 3LF	27 DA 3LF	AT HARVEST	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
4	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	8	0	0	67	48	99	93
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE							
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF							
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							
	Regiment	0.60	oz/a	0.03	lb ai/a	PREFLOOD							
	Phase II	1	% v/v	12.8	oz/a	PREFLOOD							
5	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	2	0	0	65	83	99	96
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE							
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF							
	STAM	128	fl oz/a	4	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							
6	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	8	0	0	73	80	97	97
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE							
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF							
	STAM	128	fl oz/a	4	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							

Continued

Table 7. Continued

						Jun-27-2025	Jul-15-2025	Jul-28-2025	Jun-27-2025	Jul-15-2025	Jul-28-2025	Sep-30-2025
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	HEIGHTS
Rating Type						%	%	%	%	%	%	CM
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	RICE
Treatment Appl.						20 DA PRE	14 DA 3LF	27 DA 3LF	20 DA PRE	14 DA 3LF	27 DA 3LF	AT HARVEST
Interval												
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3	0	0	73	72	95
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	CLINCHER	15	fl oz/a	0.28	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
8	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	2	0	0	70	58	93
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
9	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3	0	0	67	47	92
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
10	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	5	0	0	68	55	93
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE						
	TVE29-R036	6	fl oz/a	0.156	lb ai/a	PRE						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						

Continued

Table 7. Continued

						Jun-27-2025	Jul-15-2025	Jul-28-2025	Jun-27-2025	Jul-15-2025	Jul-28-2025	Sep-30-2025
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	HEIGHTS
Rating Type						%	%	%	%	%	%	CM
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	RICE
Treatment Appl.						20 DA PRE	14 DA 3LF	27 DA 3LF	20 DA PRE	14 DA 3LF	27 DA 3LF	AT HARVEST
Interval												
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
11	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	0	0	0	73	53	95
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE						
	TVE29-R036	8.6	fl oz/a	0.224	lb ai/a	PRE						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
LSD P=.05						4.6	.	.	8.3	10.4	4.0	12.9
Standard Deviation						2.7	0.0	0.0	4.9	6.1	2.4	7.6
CV						80.9	0.0	0.0	7.84	11.53	2.75	8.1
Replicate F						2.604	NaN	NaN	0.895	0.423	1.279	4.051
Replicate Prob(F)						0.0988	NaN	NaN	0.4245	0.6606	0.3001	0.0333
Treatment F						3.438	NaN	NaN	55.604	40.472	439.633	0.817
Treatment Prob(F)						0.0090	NaN	NaN	0.0001	0.0001	0.0001	0.6164

Continued

Table 7. Continued

						Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD	MOI CON
Rating Type						CM	CM	CM	CM	LB/PLOT	%
Rating Unit											
Rating											
Min/Max/Interval											0, 100, -
Pest Type											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	2	1
						8	9	10	11	12	13
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
1	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	99	98	100	99	22.8
2	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	94	96	93	93	21.2
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE					
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF					
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF					
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF					
3	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	96	100	99	99	20.8
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE					
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE					
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF					
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF					
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF					
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF					

Continued

Table 7. Continued

Rating Date						Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	
Rating Type						HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	
Rating Unit						CM	CM	CM	CM	LB/PLOT	%	
Rating Min/Max/Interval											0, 100, -	
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl. Interval						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	
Number of Decimals						0	0	0	0	2	1	
						8	9	10	11	12	13	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
4	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	93	95	96	95	16.92	20.3
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
	Regiment	0.60	oz/a	0.03	lb ai/a	PREFLOOD						
5	Phase II	1	% v/v	12.8	oz/a	PREFLOOD						
	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	97	97	101	98	15.72	18.5
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF						
	STAM	128	fl oz/a	4	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
6	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	95	97	95	96	14.64	15.0
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE						
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE						
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF						
	STAM	128	fl oz/a	4	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						

Continued

Table 7. Continued

						Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	HEIGHTS	
Rating Type						CM	CM	CM	CM	LB/PLOT	%	CM	
Rating Unit													
Rating													
Min/Max/Interval											0, 100, -		
Pest Type													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	0	2	1	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	94	94	93	93	11.94	18.5	94
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF							
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF							
	CLINCHER	15	fl oz/a	0.28	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							
8	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	96	94	93	95	13.47	19.0	96
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE							
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							
9	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	92	93	92	93	10.83	17.9	92
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE							
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE							
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							
10	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	93	91	93	91	11.28	20.9	93
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE							
	TVE29-R036	6	fl oz/a	0.156	lb ai/a	PRE							
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF							
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF							

Continued

Table 7. Continued

Table 7. Continued						Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	Sep-30-2025	
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	
Rating Type						CM	CM	CM	CM	LB/PLOT	%	
Rating Unit												
Rating												
Min/Max/Interval											0, 100,	
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	
Interval												
Number of Decimals						0	0	0	0	2	1	
						8	9	10	11	12	13	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
11	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	89	88	87	88	11.14	17.6
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE						
	TVE29-R036	8.6	fl oz/a	0.224	lb ai/a	PRE						
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF						
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF						
LSD P=.05						10.6	11.0	13.3	10.8	4.203	6.30	
Standard Deviation						6.2	6.5	7.8	6.3	2.468	3.70	
CV						6.61	6.82	8.21	6.72	20.3	19.14	
Replicate F						1.877	0.210	0.730	1.543	0.431	1.134	
Replicate Prob(F)						0.1790	0.8121	0.4943	0.2381	0.6555	0.3416	
Treatment F						0.546	0.889	0.821	0.840	4.795	1.016	
Treatment Prob(F)						0.8375	0.5588	0.6138	0.5982	0.0014	0.4644	

Continued

Table 7. Continued

							Sep-30-2025	Sep-30-2025	Sep-30-2025
Rating Date							YIELD	YIELD	YIELD
Rating Type							LB/A	BU/A	KG/HA
Rating Unit									
Rating Min/Max/Interval									
Pest Type							RICE	RICE	RICE
Pest Code							AT HARVEST	AT HARVEST	AT HARVEST
Treatment Appl. Interval							0	0	0
Number of Decimals							14	15	16
Trt	Treatment	Rate	Rate	Other	Rate	Appl			
No.	Name	Rate	Unit	Rate	Unit	Timing			
1	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	1407	31	1577
2	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3240	72	3632
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
3	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3063	68	3433
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			

Continued

Table 7. Continued

							Sep-30-2025	Sep-30-2025	Sep-30-2025
							YIELD	YIELD	YIELD
							LB/A	BU/A	KG/HA
Rating Date									
Rating Type									
Rating Unit									
Rating Min/Max/Interval									
Pest Type									
Pest Code									
Treatment Appl. Interval							RICE	RICE	RICE
Number of Decimals							AT HARVEST	AT HARVEST	AT HARVEST
							0	0	0
							8	9	10
Trt	Treatment	Rate	Unit	Other	Other	Appl			
No.	Name	Rate	Unit	Rate	Unit	Timing			
4	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	4715	105	5284
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
	Regiment	0.60	oz/a	0.03	lb ai/a	PREFLOOD			
5	Phase II	1	% v/v	12.8	oz/a	PREFLOOD	4478	100	5019
	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF			
	STAM	128	fl oz/a	4	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
6	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	4348	97	4874
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	STAM	128	fl oz/a	4	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			

Continued

Table 7. Continued

							Sep-30-2025	Sep-30-2025	Sep-30-2025
							YIELD	YIELD	YIELD
							LB/A	BU/A	KG/HA
Rating Date									
Rating Type									
Rating Unit									
Rating Min/Max/Interval									
Pest Type									
Pest Code									
Treatment Appl. Interval							RICE	RICE	RICE
Number of Decimals							AT HARVEST	AT HARVEST	AT HARVEST
							0	0	0
							1	2	3
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl		
No.	Name	Rate	Unit	Rate	Unit	Timing			
7	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3419	76	3832
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	3 LF			
	COMMAND	10.75	fl oz/a	0.252	lb ai/a	3 LF			
	CLINCHER	15	fl oz/a	0.28	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
8	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3831	85	4293
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
9	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3137	70	3516
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE			
	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PRE			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
10	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3123	69	3501
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE			
	TVE29-R036	6	fl oz/a	0.156	lb ai/a	PRE			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			

Continued

Table 7. Continued

Rating Date							Sep-30-2025	Sep-30-2025	Sep-30-2025
Rating Type							HEIGHTS	HEIGHTS	HEIGHTS
Rating Unit							CM	CM	CM
Rating Min/Max/Interval									
Pest Type									
Pest Code							RICE	RICE	RICE
Treatment Appl. Interval							AT HARVEST	AT HARVEST	AT HARVEST
Number of Decimals							0	0	0
							8	9	10
Trt	Treatment		Rate	Other	Rate	Appl			
No.	Name	Rate	Unit	Rate	Unit	Timing			
11	GAMBIT	1	oz/a	0.0494	lb ai/a	PRE	3222	72	3611
	COMMAND	8	fl oz/a	0.188	lb ai/a	PRE			
	TVE29-R036	8.6	fl oz/a	0.224	lb ai/a	PRE			
	Ricestar HT	24	fl oz/a	0.109	lb ai/a	3 LF			
	AGRI-DEX	1	% v/v	12.8	oz/a	3 LF			
LSD P=.05							1319.6	29.3	1479.0
Standard Deviation							774.8	17.2	868.4
CV							22.44	22.44	22.44
Replicate F							0.454	0.454	0.454
Replicate Prob(F)							0.6417	0.6417	0.6417
Treatment F							4.115	4.115	4.115
Treatment Prob(F)							0.0035	0.0035	0.0035
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>		<u>Pest Code</u>			
YIELD = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US			
		CM, , , = centimeter							
		LB/PLOT, , , = pounds per plot							
		KG/HA, , , = kilograms per hectare							

LSU AgCenter
School of Plant, Environmental and Soil Sciences

PVL03 Keenali Complete Application Timings on Pinpoint Flooded Rice

Experiment number : **C25-33**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps..... : 4
Plot size : 5'x17'
Row width/# per plot..... : Broadcast
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : PVL03 @ 100 LB/A (WATERSEEDED)
Planting date : 4/17/2025
Emergence date..... : 4/22/2025
Harvest date : 8/12/2025
Uniform Stand Treatment..... : Stam 3qts/A & Gambit 1oz/A on 5/5/25

Application type	PIPING	Pegging	1lf rice
Date applied [mm/dd/yy]	4/21/25	4/23/25	4/25/25
Time [hh:mm-hh:mm]	1:20-1:35p	1:37-1:48p	9:38-9:50
Air/Soil temperature [F]	82/72	82/77	75/70
Relative humidity [%]	80%	52%	93%
Wind [mph, direction]	8-10, SSW	8-10, SSE	8-10 S
Weather [sunny, etc]	SUNNY	Ptly Cloudy	Sunny
Soil/Leaf surface moist.....	WET/NA	wet/dry	moist/dry
Crop stage/Height.....	PIPING	pegging	1lf/2-3"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	18/5/15	18/5/15	18/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	SBS	SBS	SBS

Flush Dates : 4/21/2025
Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 8. PVL03 Keenali Complete Application Timings on Pinpoint Flooded Rice.

Rating Date						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	STAND LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	1
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	15	3	1	13	0	4
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	18	16	3	0	0	19
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	30	31	3	0	0	31
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	22	18	0	8	0	19
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	22	9	1	22	0	0
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	20	10	1	0	0	20
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	33	31	4	0	0	19
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	27	20	3	18	0	20
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	21	6	1	21	0	0
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	1	1	0	0	0	1
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	6	4	0	0	0	6
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	20	0	0	20	0	0
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							8.4	10.2	3.9	3.8	.	8.7
Standard Deviation							5.8	7.1	2.7	2.6	0.0	5.9
CV							32.72	62.37	216.42	30.95	0.0	63.35
Replicate F							2.017	0.639	0.241	0.523	NaN	0.184
Replicate Prob(F)							0.1372	0.5950	0.8672	0.6703	NaN	0.9061
Treatment F							9.248	9.547	0.854	42.711	NaN	8.963
Treatment Prob(F)							0.0001	0.0001	0.5977	0.0001	NaN	0.0001

Continued

Table 8. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND LOSS	STAND LOSS	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit						%	%	CM	CM	CM	CM	CM
Rating Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	11	13	15	15
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	3	1	12	11	12	12
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	16	3	11	11	11	14
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	31	3	11	12	10	12
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	18	0	10	12	14	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	9	1	12	11	12	11
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	10	1	13	11	12	11
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	31	4	11	11	12	10
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	20	3	13	14	12	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	6	1	13	11	12	12
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	1	0	14	13	12	12
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	4	0	11	13	12	14
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	0	0	12	13	12	13
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							10.2	3.9	2.6	3.2	2.4	2.7
Standard Deviation							7.1	2.7	1.8	2.2	1.6	1.9
CV							62.37	216.42	15.21	18.09	13.57	15.37
Replicate F							0.639	0.241	0.125	1.091	7.028	1.834
Replicate Prob(F)							0.5950	0.8672	0.9442	0.3712	0.0014	0.1668
Treatment F							9.547	0.854	0.876	0.696	1.273	1.504
Treatment Prob(F)							0.0001	0.5977	0.5802	0.7404	0.2930	0.1878

Continued

Table 8. Continued

Rating Date						May-6-2025	May-6-2025	May-6-2025	May-6-2025	May-6-2025	Apr-30-2025	May-6-2025
Rating Type						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	STAND	STAND
Rating Unit						CM	CM	CM	CM	CM	ft2	ft2
Rating												
Min/Max/Interval												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	7 DA PEG	13 DA PEG
Interval												
Number of Decimals						0	0	0	0	0	0	0
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						18	16	14	18	16	34
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	16	16	18	17	17	29
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	16	17	19	17	17	26
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	14	15	15	15	15	23
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	17	17	14	16	16	26
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	18	17	15	15	16	31
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	17	16	16	19	17	23
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	16	17	15	15	16	16
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	19	16	17	18	17	30
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	16	15	16	18	16	26
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	17	17	15	17	16	19
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	19	18	18	17	18	26
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	18	18	17	18	18	23
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							3.2	2.4	3.6	3.5	1.8	10.7
Standard Deviation							2.2	1.7	2.5	2.4	1.3	7.3
CV							13.3	10.29	15.75	14.29	7.76	29.06
Replicate F							1.201	5.590	3.256	0.389	3.924	1.414
Replicate Prob(F)							0.3235	0.0030	0.0327	0.7615	0.0160	0.2620
Treatment F							1.455	0.944	1.569	0.967	1.852	1.262
Treatment Prob(F)							0.1873	0.5160	0.1454	0.4966	0.0762	0.2991

Continued

Table 8. Continued

Rating Date		Aug-11-2025		Aug-11-2025		Aug-11-2025		Aug-11-2025		Aug-11-2025		Aug-12-2025	
Rating Type		HEIGHTS		HEIGHTS		HEIGHTS		HEIGHTS		AVG HEIGHTS		YIELD	
Rating Unit		CM		CM		CM		CM		CM		LB/PLOT	
Rating													
Min/Max/Interval													
Pest Code		RICE		RICE		RICE		RICE		RICE		RICE	
Treatment Appl.		AT HARVEST		AT HARVEST		AT HARVEST		AT HARVEST		AT HARVEST		AT HARVEST	
Interval													
Number of Decimals		0		0		0		0		0		2	
		22		23		24		25		26		27	
Trt	Treatment	Rate	Unit	Other Rate	Unit	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						104	101	107	105	104	11.60	
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	105	108	106	105	106	11.90	
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	105	107	108	110	107	12.07	
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	108	105	107	107	107	11.63	
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	105	107	107	108	107	12.89	
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING							
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	106	105	106	106	106	12.63	
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	107	110	109	108	108	13.10	
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	106	110	107	105	107	11.85	
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	107	110	110	109	109	12.12	
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING							
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	107	108	106	108	107	11.42	
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	107	108	111	112	109	12.56	
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	104	104	110	110	107	12.11	
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	106	105	106	109	106	12.69	
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE							
LSD P=.05							5.9	4.7	5.7	5.7	3.7	1.112	
Standard Deviation							4.1	3.3	4.0	4.0	2.6	0.776	
CV							3.87	3.09	3.67	3.7	2.4	6.36	
Replicate F							1.983	0.770	1.106	4.217	1.048	9.363	
Replicate Prob(F)							0.1340	0.5183	0.3594	0.0118	0.3831	0.0001	
Treatment F							0.414	2.426	0.830	1.196	1.090	1.880	
Treatment Prob(F)							0.9480	0.0199	0.6195	0.3225	0.3968	0.0714	

Continued

Table 8. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	KG/HA	BU/A
Rating Unit							0, 100, -			
Rating Min/Max/Interval							RICE	RICE	RICE	RICE
Pest Code							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Treatment Appl. Interval							1	0	0	0
Number of Decimals							22	23	24	25
Trt	Treatment		Rate	Other	Other	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Nontreated						11.5	7439	8338	165
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	11.3	7643	8566	170
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	9.5	7916	8873	176
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	11.8	7438	8337	165
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	10.2	8370	9381	186
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING				
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	7.5	8446	9467	188
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	8.2	8689	9739	193
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	11.5	7597	8515	169
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	9.5	7947	8907	177
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING				
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	11.5	7330	8215	163
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	7.2	8424	9442	187
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	10.8	7824	8769	174
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	7.8	8453	9474	188
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE				
LSD P=.05							4.92	1023.9	1147.6	22.8
Standard Deviation							3.43	714.0	800.3	15.9
CV							34.83	8.97	8.97	8.97
Replicate F							2.072	7.384	7.384	7.384
Replicate Prob(F)							0.1211	0.0006	0.0006	0.0006
Treatment F							0.996	1.693	1.693	1.693
Treatment Prob(F)							0.4722	0.1098	0.1098	0.1098

Rating Type

HEIGHT = height

YIELD = yield

Rating Unit

%, 0, 100, = percent

CM, , , = centimeter

MOICON = moisture content

ft2, , , = square foot

LB/PLOT, , , = pounds per plot

KG/HA, , , = kilograms per hectare

LSU AgCenter
School of Plant, Environmental and Soil Sciences

CLL19 Keenali Complete Application Timings on Pinpoint Flooded Rice

Experiment number : **C25-34**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot : Broadcast
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : CLL19 @ 100 LB/A (WATERSEEDDED)
 Planting date : 4/17/2025
 Emergence date..... : 4/22/2025
 Harvest date : 8/12/2025
 Uniform Stand Treatment..... : Stam 3qts/A & Gambit 1oz/A on 5/5/25

Application type	PIPING	Pegging	1lf rice
Date applied [mm/dd/yy]	4/21/25	4/23/25	4/25
Time [hh:mm-hh:mm]	1:20-1:35p	1:37-1:48p	9:38-9:50a
Air/Soil temperature [F]	82/72	82/77	75/70
Relative humidity [%]	80%	52%	93%
Wind [mph, direction]	8-10 SSW	8-10,SSE	8-10 S
Weather [sunny, etc].....	SUNNY	Ptly Cloudy	Sunny
Soil/Leaf surface moist.....	WET/NA	Wet/dry	moist/dry
Crop stage/Height.....	PIPING	pegging	1lf/2-3"
Sprayer type/MPH	BKPK/3	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110 015	FF/110015	FF110015
Boom ht/# Noz/Spacing.....	18/5/15	18/5/15	18/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	SBS	SBS	SBS

Flush Dates : 4/21/2025
 Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 9. CLL19 Keenali Complete Application Timings on Pinpoint Flooded Rice.

Rating Date						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	STAND LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	15	5	0	15	0	0
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	15	5	0	0	0	15
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	43	24	4	0	0	43
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	35	20	0	11	0	35
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	24	8	0	24	0	0
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	11	6	0	0	0	11
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	25	26	4	0	0	25
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	18	6	0	16	0	4
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	28	1	0	28	0	0
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	0	0	0	0	0	0
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	3	4	0	0	0	5
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	19	1	0	19	0	0
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							9.6	9.0	4.3	3.3	.	9.3
Standard Deviation							6.7	6.3	3.0	2.3	0.0	6.5
CV							37.4	76.85	516.94	26.3	0.0	61.63
Replicate F							2.421	0.305	0.649	4.082	NaN	1.825
Replicate Prob(F)							0.0819	0.8218	0.5889	0.0136	NaN	0.1600
Treatment F							14.848	8.334	0.892	84.526	NaN	20.336
Treatment Prob(F)							0.0001	0.0001	0.5629	0.0001	NaN	0.0001

Continued

Table 9. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND LOSS	STAND LOSS	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit						%	%	CM	CM	CM	CM	CM
Rating Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	12	11	11	12
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	5	0	9	10	11	10
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	5	0	12	11	11	11
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	24	4	10	10	10	10
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	20	0	9	10	10	10
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	8	0	11	11	11	11
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	6	0	12	11	10	11
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	26	4	10	11	10	10
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	6	0	11	11	11	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	1	0	10	12	11	11
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	0	0	10	11	11	11
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	4	0	11	11	11	11
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	1	0	11	11	11	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							9.0	4.3	2.6	2.4	2.2	1.7
Standard Deviation							6.3	3.0	1.8	1.7	1.6	1.2
CV							76.85	516.94	16.76	15.61	14.73	10.75
Replicate F							0.305	0.649	1.474	2.495	3.579	3.733
Replicate Prob(F)							0.8218	0.5889	0.2380	0.0754	0.0231	0.0196
Treatment F							8.334	0.892	1.271	0.601	0.247	0.838
Treatment Prob(F)							0.0001	0.5629	0.2769	0.8268	0.9937	0.6128

Continued

Table 9. Continued

Rating Date						May-6-2025	May-6-2025	May-6-2025	May-6-2025	May-6-2025	Apr-30-2025	May-6-2025
Rating Type						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	STAND	STAND
Rating Unit						CM	CM	CM	CM	CM	ft2	ft2
Rating												
Min/Max/Interval												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	7 DA PEG	13 DA PEG
Interval												
Number of Decimals						0	0	0	0	0	0	0
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						15	15	16	16	16	34
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	14	15	15	16	15	29
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	15	15	15	16	15	29
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	14	14	15	16	15	17
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	15	15	16	17	16	17
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	14	16	16	17	16	27
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	14	15	16	18	16	26
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	13	14	16	18	15	19
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	15	16	16	18	16	24
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	16	16	16	17	16	28
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	14	15	16	16	15	29
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	16	16	15	15	16	27
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	15	15	17	16	16	29
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							2.1	1.7	1.7	2.5	1.3	8.1
Standard Deviation							1.5	1.2	1.2	1.8	0.9	5.7
CV							10.2	7.78	7.8	10.59	5.79	22.14
Replicate F							3.539	2.101	5.327	2.165	1.646	3.223
Replicate Prob(F)							0.0241	0.1173	0.0038	0.1091	0.1960	0.0339
Treatment F							1.547	1.275	1.167	0.898	0.921	3.423
Treatment Prob(F)							0.1525	0.2750	0.3422	0.5577	0.5367	0.0021

Continued

Table 9. Continued

							Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-12-2025
							HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD
							CM	CM	CM	CM	CM	LB/PLOT
							RICE	RICE	RICE	RICE	RICE	RICE
							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
							0	0	0	0	0	2
							22	23	24	25	26	27
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						95	96	95	97	96	12.27
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	92	94	96	93	94	12.61
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	93	96	97	95	95	12.79
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	93	95	98	93	95	12.86
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	95	93	92	97	94	13.21
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	97	93	98	99	97	13.27
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	96	96	98	99	97	14.06
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	97	97	95	96	96	12.33
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	95	98	99	98	97	12.38
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	96	99	96	98	97	12.02
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	94	96	97	99	96	12.52
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	98	99	99	100	99	12.78
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	97	95	93	97	95	11.80
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							3.6	4.7	4.1	5.4	2.7	1.287
Standard Deviation							2.5	3.2	2.9	3.8	1.9	0.898
CV							2.67	3.39	3.0	3.88	1.94	7.08
Replicate F							2.604	3.105	3.716	2.885	1.531	2.337
Replicate Prob(F)							0.0668	0.0385	0.0199	0.0490	0.2231	0.0900
Treatment F							2.214	1.644	2.352	1.379	2.365	1.743
Treatment Prob(F)							0.0327	0.1227	0.0237	0.2208	0.0230	0.0979

Continued

Table 9. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	KG/HA	BU/A
Rating Unit							0, 100, -			
Rating Min/Max/Interval							RICE	RICE	RICE	RICE
Pest Code							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Treatment Appl. Interval							1	0	0	0
Number of Decimals							22	23	24	25
Trt	Treatment	Rate	Unit	Other	Rate	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Nontreated						6.6	9012	200	10101
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	7.3	9184	204	10294
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	7.8	9275	206	10396
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	7.3	9368	208	10500
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	7.0	9661	215	10829
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING				
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	6.9	9713	216	10887
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	8.3	10139	225	11364
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	7.4	8981	200	10067
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	6.7	9087	202	10185
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING				
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	6.8	8809	196	9874
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	6.6	9197	204	10308
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	6.8	9363	208	10495
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	9.6	8405	187	9421
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE				
LSD P=.05							1.78	922.9	20.5	1034.4
Standard Deviation							1.24	643.6	14.3	721.3
CV							17.02	6.96	6.96	6.96
Replicate F							0.574	2.461	2.461	2.461
Replicate Prob(F)							0.6359	0.0783	0.0783	0.0783
Treatment F							1.884	1.829	1.829	1.829
Treatment Prob(F)							0.0707	0.0804	0.0804	0.0804

Rating Type

HEIGHT = height

YIELD = yield

Rating Unit

%, 0, 100, = percent

CM, , , = centimeter

MOICON = moisture content

ft2, , , = square foot

LB/PLOT, , , = pounds per plot

KG/HA, , , = kilograms per hectare

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Jupiter Keenali Complete Application Timings on Pinpoint Flooded Rice

Experiment number : **C25-35**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : Broadcast
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC : 19.1
 Crop/Variety : Jupiter @ 100 lbs/A (Water-seeded)
 Planting date : 4/17/2025
 Emergence date..... : 4/22/205
 Harvest date..... : 8/12/2025
 Uniform Stand Treatment..... : Stam 3qts/A & Gambit 1 oz/A on 5/5/2025

Application type	PIPING	Pegging	1lf rice
Date applied [mm/dd/yy]	4/21/25	4/23/25	4/25/25
Time [hh:mm-hh:mm]	1:20-1:35p	1:37-1:48p	9:38-9:50
Air/Soil temperature [F]	82/72	82/77	75/70
Relative humidity [%]	80%	52%	93%
Wind [mph, direction]	8-10, SSW	8-10, SSE	8-10 S
Weather [sunny, etc].....	SUNNY	ptly cloudy	Sunny
Soil/Leaf surface moist.....	WET/NA	wet/dry	moist/dry
Crop stage/Height.....	PIPING	pegging	1lf/2-3"
Sprayer type/MPH	BKPB/3	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110 015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	18/5/15	18/5/15	18/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	SBS	SBS	SBS

Flush Dates : 4/21/2025
 Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 10. Jupiter Keenali Complete Application Timings on Pinpoint Flooded Rice.

Table 10: Split-Plot Recanal Complete Application Timings on Pinpoint Flooded Rice.						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Date												STAND
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt Treatment	Rate	Other	Rate	Other	Appl							
No. Name	Rate	Unit	Rate	Unit	Timing							
1 Nontreated						0	0	0	0	0	0	0
2 COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	18	8	1	9	0	0	0
3 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	11	4	0	0	0	0	11
4 TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	20	4	1	0	0	0	20
5 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	16	10	0	15	0	0	16
COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING							
6 COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	28	29	10	28	0	0	0
7 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	4	3	0	0	0	0	15
8 TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	29	13	4	0	0	0	30
9 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	19	24	3	19	0	0	1
COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING							
10 COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	31	39	14	31	0	0	0
11 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	0	1	0	0	0	0	0
12 TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	4	8	0	0	0	0	4
13 TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	23	19	3	23	0	0	1
COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE							
LSD P=.05						9.7	11.1	7.5	5.0	.	.	13.4
Standard Deviation						6.8	7.8	5.2	3.5	0.0	0.0	9.3
CV						43.85	63.61	193.3	36.7	0.0	0.0	122.99
Replicate F						2.877	0.603	1.231	3.190	NaN	NaN	1.533
Replicate Prob(F)						0.0494	0.6173	0.3127	0.0351	NaN	NaN	0.2226
Treatment F						10.322	9.446	2.763	46.812	NaN	NaN	4.517
Treatment Prob(F)						0.0001	0.0001	0.0091	0.0001	NaN	NaN	0.0002

Continued

Table 10. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND	STAND	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG
Rating Unit						LOSS	LOSS					HEIGHT
Rating						%	%	CM	CM	CM	CM	CM
Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl					
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated							0	0	9	9	9
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING		8	1	7	7	9
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING		4	0	9	9	9
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING		4	1	7	8	8
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING		10	0	9	9	9
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING		29	10	8	10	9
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING		3	0	8	10	9
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING		13	4	9	10	10
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING		24	3	8	8	10
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE		39	14	9	8	8
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE		1	0	9	9	9
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE		8	0	9	8	8
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE		19	3	8	8	9
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05						11.1	7.5	1.7	2.4	1.9	1.9	1.4
Standard Deviation						7.8	5.2	1.2	1.7	1.4	1.3	1.0
CV						63.61	193.3	14.74	19.37	15.48	15.04	11.59
Replicate F						0.603	1.231	8.572	6.442	8.269	7.971	12.605
Replicate Prob(F)						0.6173	0.3127	0.0002	0.0013	0.0003	0.0003	0.0001
Treatment F						9.446	2.763	1.351	1.231	0.780	1.355	1.087
Treatment Prob(F)						0.0001	0.0091	0.2344	0.3010	0.6671	0.2322	0.3992

Continued

Table 10. Continued

Table 10: Continued						May-6-2025	May-6-2025	May-6-2025	May-6-2025	May-6-2025	Apr-30-2025	May-6-2025	
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	STAND	STAND	
Rating Type													
Rating Unit						CM	CM	CM	CM	CM	ft2	ft2	
Rating													
Min/Max/Interval													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	7 DA PEG	13 DA PEG	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						13	13	14	14	13	26	35
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	12	12	13	13	12	29	36
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	13	13	13	14	13	26	33
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	12	12	13	14	13	31	34
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	13	13	13	12	13	23	32
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING							
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	13	13	13	12	12	25	29
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	14	14	14	14	14	19	25
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	13	11	12	14	12	22	26
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	12	12	12	13	12	28	27
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING							
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	12	12	12	13	12	29	23
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	12	12	13	15	13	27	28
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	13	12	12	12	12	20	23
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	11	12	9	12	11	29	25
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE							
LSD P=.05							2.7	1.7	2.7	3.5	1.8	10.3	11.4
Standard Deviation							1.9	1.2	1.9	2.5	1.2	7.2	8.0
CV							15.35	9.55	14.9	18.96	9.76	27.96	27.72
Replicate F							2.065	2.897	6.300	2.975	4.444	1.611	1.445
Replicate Prob(F)							0.1221	0.0483	0.0015	0.0444	0.0093	0.2038	0.2459
Treatment F							0.760	1.538	1.602	0.538	1.208	1.132	1.402
Treatment Prob(F)							0.6850	0.1558	0.1351	0.8753	0.3154	0.3667	0.2100

Continued

Table 10. Continued

Rating Date						Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-12-2025
Rating Type						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD
Rating Unit						CM	CM	CM	CM	CM	LB/PLOT
Rating											
Min/Max/Interval											
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval											
Number of Decimals						0	0	0	0	0	2
						22	23	24	25	26	27
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
1	Nontreated						94	93	92	93	10.54
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	93	93	94	96	9.73
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	95	95	96	96	10.24
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	92	94	92	94	10.27
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	91	92	95	93	9.95
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING					
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	93	92	90	90	8.74
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	92	91	69	91	9.34
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	92	92	92	93	8.65
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	93	94	96	93	8.81
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING					
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	90	91	93	93	8.51
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	89	93	93	92	9.23
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	90	91	92	91	8.92
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	89	89	94	88	7.70
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE					
LSD P=.05							6.3	4.4	17.7	5.2	1.063
Standard Deviation							4.4	3.1	12.3	3.7	0.741
CV							4.83	3.31	13.51	3.96	7.99
Replicate F							1.631	2.565	1.257	2.345	3.853
Replicate Prob(F)							0.1993	0.0697	0.3037	0.0892	0.0173
Treatment F							0.825	1.030	1.307	1.457	5.041
Treatment Prob(F)							0.6243	0.4437	0.2571	0.1864	0.0001

Continued

Table 10. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	KG/HA	BU/A
Rating Unit							0, 100, -			
Rating Min/Max/Interval							RICE	RICE	RICE	RICE
Pest Code							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Treatment Appl. Interval							1	0	0	0
Number of Decimals							22	23	24	25
Trt	Treatment	Rate	Other	Other	Rate	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Nontreated						24.90	5766	128	6463
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	24.68	5340	119	5985
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	25.10	5590	124	6266
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	25.00	5613	125	6291
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	24.83	5448	121	6107
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING				
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	25.03	4774	106	5351
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	25.13	5094	113	5710
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	25.30	4706	105	5275
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	24.85	4822	107	5405
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING				
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	24.80	4663	104	5227
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	24.95	5045	112	5655
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	24.95	4876	108	5465
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	24.95	4209	94	4717
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE				
LSD P=.05							0.379	576.3	12.8	646.0
Standard Deviation							0.264	401.9	8.9	450.5
CV							1.06	7.92	7.92	7.92
Replicate F							5.614	4.129	4.129	4.129
Replicate Prob(F)							0.0029	0.0129	0.0129	0.0129
Treatment F							1.476	5.147	5.147	5.147
Treatment Prob(F)							0.1786	0.0001	0.0001	0.0001

Rating Type

HEIGHT = height

YIELD = yield

Rating Unit

%, 0, 100, = percent

CM, , , = centimeter

MOICON = moisture content

ft2, , , = square foot

LB/PLOT, , , = pounds per plot

KG/HA, , , = kilograms per hectare

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Stomper vs. Stam Weed Control in Rice

Experiment number : **C25-36**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps..... : 4
Plot size : 5'x17'
Row width/# per plot : 7"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : PVL03 @ 60 lbs/A
Planting date : 4/15/25
Emergence date..... : 4/23/25
Harvest date : 8/13/25
Uniform Standard Treatment..... : Gambit 1.5oz/A on 5/14/25, Provisia 15 oz/A +1% COC on 6/4/25

Application type : EPOST
Date applied [mm/dd/yy]..... : 5/6/25
Time [hh:mm-hh:mm] : 9:05-9:10a
Air/Soil temperature [F] : 72/67
Relative humidity [%] : 94%
Wind [mph, direction] : 8-10, E
Weather [sunny, etc]..... : Cloudy
Soil/Leaf surface moist..... : Moist/dry
Crop stage/Height..... : 2-4lf/5-8"
Sprayer type/MPH : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing..... : 15/5/15
GPA/PSI : 15/21
Applied by : GRS

Weed Species (population) :- (height/#leaves) –
ECHCG (30-40m²) : 2-5"/2-4lf
BRAPP (25-30m²)..... : 1-3"/1-4lf

Flush Dates : 4/17/25
Permanent Flood..... : 5/27/25

***AMFF – Air mix flat fan nozzles**

Table 11. Stomper Vs. Stam Weed Control in Rice

					May-13-2025	May-23-2025	Jun-5-2025	May-13-2025	May-23-2025	Jun-5-2025	May-13-2025	May-23-2025
Rating Date					INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type					%	%	%	%	%	%	%	%
Rating Unit												
Rating					0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type								W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code					RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Treatment Appl.					7 DAT	17 DAT	40 DAT	7 DAT	17 DAT	40 DAT	7 DAT	17 DAT
Interval												
Number of Decimals					0	0	0	0	0	0	0	0
					1	2	3	4	5	6	7	8
Trt	Treatment	Other	Rate	Appl								
No.	Name	Rate	Unit	Timing								
1	nontreated				0	0	0	0	0	0	0	0
2	Stomper	128	fl oz/a	EPOST	0	0	0	41	30	0	46	38
3	Stam	128	fl oz/a	EPOST	0	0	0	25	25	0	26	34
LSD P=.05					.	.	.	6.9	5.8	.	5.6	7.8
Standard Deviation					0.0	0.0	0.0	4.0	3.3	0.0	3.2	4.5
CV					0.0	0.0	0.0	18.1	18.18	0.0	13.36	18.9
Replicate F					NaN	NaN	NaN	0.478	1.000	NaN	0.800	0.379
Replicate Prob(F)					NaN	NaN	NaN	0.7091	0.4547	NaN	0.5376	0.7718
Treatment F					NaN	NaN	NaN	108.130	93.000	NaN	206.600	84.724
Treatment Prob(F)					NaN	NaN	NaN	0.0001	0.0001	NaN	0.0001	0.0001

Continued

Table 11. Continued

Table 11: Continued					Jun-5-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date					CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD	MOICON
Rating Type						CM	CM	CM	CM	CM	Lbs/Plot	%
Rating Unit												
Rating												
Min/Max/Interval												0, 100,
Pest Type					W, Weed							
Pest Code					BRAPP	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						AT	AT	AT	AT			
Interval					40 DAT	HARVEST	HARVEST	HARVEST	HARVEST	AT HARVEST	HARVEST	HARVEST
Number of Decimals					0	0	0	0	0	0	2	1
					9	10	11	12	13	14	15	16
Trt	Treatment	Other	Rate	Appl								
No.	Name	Rate	Unit	Timing								
1	nontreated				0	92	93	92	93	92	3.79	16.8
2	Stomper	128	fl oz/a	EPOST	0	97	99	100	101	99	5.41	15.2
3	Stam	128	fl oz/a	EPOST	0	94	100	98	98	97	5.07	15.4
LSD P=.05					.	8.0	9.7	5.2	5.4	5.5	2.086	1.09
Standard Deviation					0.0	4.6	5.6	3.0	3.1	3.2	1.205	0.63
CV					0.0	4.91	5.74	3.13	3.19	3.27	25.34	3.99
Replicate F					NaN	1.579	0.389	7.960	2.353	0.483	0.491	4.260
Replicate Prob(F)					NaN	0.2897	0.7653	0.0163	0.1713	0.7064	0.7012	0.0621
Treatment F					NaN	1.446	1.682	8.378	7.690	5.386	2.009	7.312
Treatment Prob(F)					NaN	0.3073	0.2630	0.0183	0.0221	0.0458	0.2149	0.0246

Continued

Table 11. Continued

Rating Date					Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Type					YIELD	YIELD	YIELD
Rating Unit					LB/A	BU/A	KG/HA
Rating Min/Max/Interval							
Pest Type							
Pest Code					RICE	RICE	RICE
Treatment Appl. Interval					HARVEST	HARVEST	HARVEST
Number of Decimals					0	0	0
					17	18	19
Trt	Treatment	Other	Other	Appl			
No.	Name	Rate	Rate	Unit			
1	nontreated				2227	49	2496
2	Stomper	128	fl oz/a	EPOST	3246	72	3639
3	Stam	128	fl oz/a	EPOST	3039	68	3406
LSD P=.05					1234.5	27.4	1383.7
Standard Deviation					713.5	15.9	799.7
CV					25.15	25.15	25.15
Replicate F					0.529	0.529	0.529
Replicate Prob(F)					0.6788	0.6788	0.6788
Treatment F					2.282	2.282	2.282
Treatment Prob(F)					0.1833	0.1833	0.1833
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>	<u>Pest Code</u>		
YIELD = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop	ECHCG, Echinochloa crus-galli, common barnyardgrass = US		
MOICON = moisture content		CM, , , = centimeter			BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US		
		KG/HA, , , = kilograms per hectare					

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Pendalin H2O Weed Control on Rice

Experiment number : **C25-37**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 4
 Plot size : 5'x17'
 Row width/# per plot : 7"/8
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 60 lbs/A
 Planting date : 4/15/25
 Emergence date : 4/23/25
 Harvest date : 8/13/25
 Uniform Stand Treatment : 15.5 oz/A Provisia + 1oz/A Gambit on 5/27/25

Application type : DPRE
 Date applied [mm/dd/yy] : 4/21/25
 Time [hh:mm-hh:mm] : 11:45-11:52a
 Air/Soil temperature [F] : 81/76
 Relative humidity [%] : 61%
 Wind [mph, direction] : 8-10, S
 Weather [sunny, etc] : prtly cloudy
 Soil/Leaf surface moist : dry/NA
 Crop stage/Height : NA
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 18/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Sp-ecies (population) :- (height/#leaves)
 ECHCG (8-10 m²) : ½-2"/1-2lf
 BRAPP (2-3 m²) : 1/2-1"/1-2lf
 CNPPA (0-1 m²) : 1/2-1"/cot-1lf
 CYPPIR (0-1 m²) : 2-4"/2-3lf

Flush Dates : 4/17/25
 Permanent Flood : 5/27/25

***AMFF – Air mix flat fan nozzles**

Table 12. Pendalin H2O Weed Control on Rice

Table 12: Pendalin H2O Weed Control on Rice						May-6-2025	May-13-2025	May-23-2025	May-6-2025	May-13-2025	May-23-2025	May-6-2025	
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP	
Treatment Appl.													
Interval						15 DAT	22 DAT	32 DAT	15 DAT	22 DAT	32 DAT	15 DAT	
Number of Decimals						0	0	0	0	0	0	0	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	nontreated						0	0	0	0	0	0	
2	Pendalin H2O	32	fl oz/a	0.95	lb ai/a	DPRE	0	0	0	28	23	19	23
3	Prowl H2O	32	fl oz/a	0.95	lb ai/a	DPRE	0	0	0	30	31	20	25
4	Satellite Hydrocap	32	fl oz/a	0.95	lb ai/a	DPRE	0	0	0	34	39	24	24
LSD P=.05							.	.	.	5.7	4.8	4.0	6.0
Standard Deviation							0.0	0.0	0.0	3.6	3.0	2.5	3.8
CV							0.0	0.0	0.0	15.61	12.99	16.0	21.05
Replicate F							NaN	NaN	NaN	2.096	4.846	1.667	0.407
Replicate Prob(F)							NaN	NaN	NaN	0.1711	0.0283	0.2427	0.7515
Treatment F							NaN	NaN	NaN	75.082	124.846	72.333	40.407
Treatment Prob(F)							NaN	NaN	NaN	0.0001	0.0001	0.0001	0.0001

Continued

Table 12. Continued

Table 127 Continued						May-13-2025	May-23-2025	May-6-2025	May-13-2025	May-23-2025	May-6-2025	May-13-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Type						BRAPP	BRAPP	CYPIR	CYPIR	CYPIR	CNPPA	CNPPA	
Pest Code						22 DAT	32 DAT	15 DAT	22 DAT	32 DAT	15 DAT	22 DAT	
Treatment Appl.													
Interval						0	0	0	0	0	0	0	
Number of Decimals						8	9	10	11	12	13	14	
Other													
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	nontreated						0	0	0	0	0	0	
2	Pendalin H2O	32	fl oz/a	0.95	lb ai/a	DPRE	24	19	15	0	0	13	18
3	Prowl H2O	32	fl oz/a	0.95	lb ai/a	DPRE	26	23	25	24	20	16	21
4	Satellite Hydrocap	32	fl oz/a	0.95	lb ai/a	DPRE	34	19	34	33	20	13	23
LSD P=.05							4.3	5.3	7.1	5.0	6.5	3.3	4.3
Standard Deviation							2.7	3.3	4.4	3.1	4.1	2.1	2.7
CV							12.74	22.22	24.02	22.37	40.82	20.2	17.42
Replicate F							1.976	0.375	0.717	1.842	1.000	2.280	2.561
Replicate Prob(F)							0.1883	0.7733	0.5664	0.2098	0.4363	0.1482	0.1200
Treatment F							119.634	37.125	42.770	111.737	32.000	46.440	61.098
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 12. Continued

Table 12: Continued						May-23-2025	May-13-2025	May-23-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date	Rating Type	Rating Unit	Rating	Min/Max/Interval	Pest Type	Pest Code	Treatment Appl.	Interval	Number of Decimals				
										CONTROL	CONTROL	CONTROL	HEIGHTS
										%	%	%	CM
										0, 100, -	0, 100, -	0, 100, -	
										W, Weed	W, Weed	W, Weed	
										CNPPA	SEBEX	SEBEX	RICE
										32 DAT	22 DAT	32 DAT	AT
													HARVEST
										0	0	0	0
										15	16	17	18
													19
													20
													21
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	nontreated						0	0	0	96	97	99	102
2	Pendalin H2O	32	fl oz/a	0.95	lb ai/a	DPRE	15	18	11	98	100	105	105
3	Prowl H2O	32	fl oz/a	0.95	lb ai/a	DPRE	18	18	15	103	106	104	108
4	Satellite Hydrocap	32	fl oz/a	0.95	lb ai/a	DPRE	18	25	15	101	104	105	108
LSD P=.05							4.2	6.8	3.3	6.4	6.9	7.3	8.0
Standard Deviation							2.6	4.2	2.1	4.0	4.3	4.5	5.0
CV							21.08	28.33	20.2	4.04	4.25	4.41	4.73
Replicate F							4.200	0.692	6.120	2.161	1.151	1.427	0.393
Replicate Prob(F)							0.0408	0.5794	0.0148	0.1626	0.3803	0.2978	0.7609
Treatment F							40.800	24.923	46.440	2.295	3.047	1.411	1.180
Treatment Prob(F)							0.0001	0.0001	0.0001	0.1465	0.0849	0.3020	0.3706

Continued

Table 12. Continued

Table 12: Continued						Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD	
Rating Type						CM	Lbs/Plot	%	LB/A	BU/A	KG/HA	
Rating Unit												
Rating												
Min/Max/Interval								0, 100, -				
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Interval												
Number of Decimals						0	2	1	0	0	0	
						22	23	24	25	26	27	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	nontreated						99	6.30	18.4	3574	79	4006
2	Pendalin H2O	32	fl oz/a	0.95	lb ai/a	DPRE	102	8.72	18.2	4956	110	5554
3	Prowl H2O	32	fl oz/a	0.95	lb ai/a	DPRE	105	8.92	18.1	5072	113	5685
4	Satellite Hydrocap	32	fl oz/a	0.95	lb ai/a	DPRE	104	9.44	17.9	5374	119	6024
LSD P=.05							6.5	2.109	0.81	1188.7	26.4	1332.3
Standard Deviation							4.1	1.318	0.51	743.1	16.5	832.9
CV							3.96	15.8	2.8	15.66	15.66	15.66
Replicate F							0.801	0.173	22.613	0.339	0.339	0.339
Replicate Prob(F)							0.5242	0.9121	0.0002	0.7981	0.7981	0.7981
Treatment F							2.048	4.487	0.671	4.632	4.632	4.632
Treatment Prob(F)							0.1777	0.0346	0.5910	0.0319	0.0319	0.0319
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>		<u>Pest Code</u>						
YIELD = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US						
MOICON = moisture content		CM, , , = centimeter				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US						
		KG/HA, , , = kilograms per hectare				CYPIR, Cyperus iria, Rice flatsedge = US						
						CNPPA, Caperonia palustris, Birdeye = US						
						SEBEX, Sesbania herbacea, Hemp sesbania = US						

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Jasmine Keenali Complete Application Timings on Pinpoint Flooded Rice

Experiment number : **C25-38**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : Broadcast
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : Jazzman @ 100 LB/A (WATERSEEDED)
 Planting date : 4/17/2025
 Emergence date..... : 4/22/2025
 Harvest date..... : 8/12/2025
 Uniform Stand Treatment..... : Stam 3qts/A & Gambit 1oz/A on 5/5/2025

Application type	Piping	Pegging	1 LF RICE
Date applied [mm/dd/yy]	4/21/25	4/23/25	4/25
Time [hh:mm-hh:mm]	1:41-1:54	1:53-2:05p	9:53-10:01
Air/Soil temperature [F]	82/72	82/77	76/69
Relative humidity [%]	80%	52%	93%
Wind [mph, direction]	8-10, SSW	8-10, SSE	8-10, S
Weather [sunny, etc]	Ptly Cloudy	Ptly Cloudy	Sunny
Soil/Leaf surface moist.....	wet/NA	wet/dry	moist/dry
Crop stage/Height	piping	pegging	1lf/2-3"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	18/5/15	18/5/15	18/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	GRS	SBS	SBS

Flush Dates : 4/21/2025
 Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 13. Jasmine Keenali Complete Application Timings on Pinpoint Flooded Rice.

Rating Date						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	STAND LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	10	0	1	10	0	0
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	30	13	4	0	0	30
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	54	24	5	0	0	54
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	21	15	5	8	0	19
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	26	21	9	26	0	0
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	28	15	0	0	0	28
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	66	44	19	0	0	66
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	26	28	10	19	0	20
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	24	14	0	24	0	0
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	5	5	0	0	0	5
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	46	14	4	0	0	46
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	20	25	8	20	0	4
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							7.2	7.4	6.4	3.6	.	11.4
Standard Deviation							5.0	5.2	4.5	2.5	0.0	7.9
CV							18.41	31.19	91.03	30.39	0.0	38.0
Replicate F							5.106	2.780	2.534	0.494	NaN	5.330
Replicate Prob(F)							0.0048	0.0550	0.0723	0.6890	NaN	0.0038
Treatment F							55.388	21.333	5.879	69.831	NaN	32.893
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	NaN	0.0001

Continued

Table 13. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND LOSS	STAND LOSS	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit						%	%	CM	CM	CM	CM	CM
Rating Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	11	10	11	10
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	0	1	11	11	10	11
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	13	4	9	10	9	10
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	24	5	7	8	8	9
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	15	5	9	9	8	10
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	21	9	10	8	8	9
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	15	0	9	9	9	11
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	44	19	7	6	5	7
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	28	10	9	8	8	8
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	14	0	8	8	8	9
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	5	0	10	9	10	8
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	14	4	8	8	9	9
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	25	8	9	10	9	8
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							10.2	6.4	3.1	2.5	2.2	2.5
Standard Deviation							7.1	4.5	2.2	1.7	1.6	1.7
CV							42.87	91.03	24.49	20.36	18.66	19.28
Replicate F							3.362	2.534	9.285	10.130	9.039	10.099
Replicate Prob(F)							0.0291	0.0723	0.0001	0.0001	0.0001	0.0001
Treatment F							11.294	5.879	1.226	2.082	2.953	1.952
Treatment Prob(F)							0.0001	0.0001	0.3037	0.0446	0.0059	0.0603

Continued

Table 13. Continued

Table 10: Continued						May-6-2025	May-6-2025	May-6-2025	May-6-2025	May-6-2025	Apr-30-2025	May-6-2025
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	STAND	STAND
Rating Type						CM	CM	CM	CM	CM		
Rating Unit												
Rating												
Min/Max/Interval												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.						13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	7 DA PEG	13 DA PEG
Interval												
Number of Decimals						0	0	0	0	0	0	0
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						15	17	18	18	17	25
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	15	17	17	18	17	29
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	13	14	15	17	15	23
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	15	14	15	17	15	18
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	14	14	15	15	15	21
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	15	14	15	16	15	23
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	15	16	15	15	15	21
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	12	12	12	14	13	15
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	12	14	15	15	14	19
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	14	16	15	16	15	22
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	14	14	15	18	15	27
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	15	20	16	16	17	21
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	15	15	14	13	14	25
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05						3.1	4.1	3.1	3.7	2.2	9.8	9.8
Standard Deviation						2.1	2.9	2.1	2.6	1.5	6.8	6.8
CV						15.18	19.12	14.15	16.16	10.09	36.73	30.82
Replicate F						3.279	0.324	9.281	2.449	3.967	6.633	3.642
Replicate Prob(F)						0.0319	0.8077	0.0001	0.0794	0.0153	0.0011	0.0216
Treatment F						1.143	1.845	1.562	1.415	2.579	1.883	1.150
Treatment Prob(F)						0.3588	0.0775	0.1476	0.2043	0.0139	0.0709	0.3539

Continued

Rating Date							Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-12-2025
Rating Type							HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD
Rating Unit							CM	CM	CM	CM	CM	LB/PLOT
Rating												
Min/Max/Interval												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval												
Number of Decimals							0	0	0	0	0	2
							22	23	24	25	26	27
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						104	106	105	105	105	9.99
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	106	105	105	109	106	9.96
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	106	107	107	105	106	9.80
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	107	107	107	105	106	10.52
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	104	104	104	104	104	9.98
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	107	106	106	108	107	8.37
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	109	109	110	108	109	10.98
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	106	105	103	102	104	9.72
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	104	104	106	103	104	9.94
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	107	104	103	106	105	9.49
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	99	100	103	103	101	9.29
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	102	103	107	104	104	9.67
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	102	103	105	101	103	9.88
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							4.4	5.3	4.8	5.6	3.6	1.230
Standard Deviation							3.1	3.7	3.4	3.9	2.5	0.857
CV							2.93	3.55	3.19	3.74	2.38	8.74
Replicate F							7.223	2.071	0.690	2.002	3.096	1.327
Replicate Prob(F)							0.0007	0.1218	0.5643	0.1316	0.0393	0.2809
Treatment F							3.008	1.431	1.331	1.595	2.514	2.019
Treatment Prob(F)							0.0055	0.1987	0.2454	0.1384	0.0168	0.0516

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Table 13. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	BU/A	KG/HA
Rating Unit							0, 100, -			
Rating Min/Max/Interval										
Pest Code							RICE	RICE	RICE	RICE
Treatment Appl. Interval							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Number of Decimals							1	0	0	0
							28	29	30	31
Trt	Treatment	Rate	Unit	Other	Rate	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Nontreated						18.6	6120	136	6860
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	19.1	6068	135	6802
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	20.6	5856	130	6563
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	21.4	6224	138	6976
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	20.8	5951	132	6670
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING				
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	20.0	5040	112	5649
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	18.8	6735	150	7549
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	22.8	5641	125	6323
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	21.3	5890	131	6602
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING				
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	19.3	5774	128	6472
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	20.6	5558	124	6230
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	21.8	5697	127	6385
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	21.6	5834	130	6539
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE				
LSD P=.05							2.63	819.5	18.2	918.5
Standard Deviation							1.83	571.5	12.7	640.5
CV							8.94	9.73	9.73	9.73
Replicate F							0.441	1.324	1.324	1.324
Replicate Prob(F)							0.7248	0.2816	0.2816	0.2816
Treatment F							1.998	1.899	1.899	1.899
Treatment Prob(F)							0.0542	0.0683	0.0683	0.0683
<u>Rating Type</u>				<u>Rating Unit</u>						
HEIGHT = height				%, 0, 100, = percent						
YIELD = yield				CM, , , = centimeter						
MOICON = moisture content				LB/PLOT, , , = pounds per plot						
				KG/HA, , , = kilograms per hectare						

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Avant Keenali Complete Application Timings on Pinpoint Flooded Rice

Experiment number : **C25-39**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps..... : 4
Plot size : 5'x17'
Row width/# per plot..... : Broadcast
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : Avant @ 100 LB/A (WATERSEEDED)
Planting date : 4/17/2025
Emergence date..... : 4/22/2025
Harvest date..... : 8/12/2025
Uniform Stand Treatment..... : Stam 3qts/A & Gambit 1oz/A on 5/5

Application type	Piping	Pegging	1 LF RICE
Date applied [mm/dd/yy]	4/21/25	4/23/25	4/25/25
Time [hh:mm- hh:mm]	1:41-1:54p	1:53-2:05p	9:53-10:01p
Air/Soil temperature [F]	82/72	82/77	76/69
Relative humidity [%]	80%	52%	93%
Wind [mph, direction]	8-10 SSW	8-10, SSE	8-10, S
Weather [sunny, etc]	Ptly Cloudy	Ptly Cloudy	Sunny
Soil/Leaf surface moist.....	Wet/NA	wet/dry	moist/dry
Crop stage/Height.....	piping	pegging	1lf/2-3"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	18/5/15	18/5/15	18/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	GRS	SBS	SBS

Flush Dates : 4/21/2025
Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 14. Avant Keenali Complete Application Timings on Pinpoint Flooded Rice

Rating Date						Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025	May-13-2025	May-28-2025	Apr-30-2025
Rating Type						INJURY	INJURY	INJURY	CHLOROSIS	CHLOROSIS	CHLOROSIS	STAND LOSS
Rating Unit						%	%	%	%	%	%	%
Rating Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG	18 DA 1 LF	33 DA 1LF	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	0	0	0	0	0	0
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	14	1	3	0	0	14
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	36	9	4	0	0	36
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	8	3	0	1	0	8
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	13	3	3	13	0	0
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	10	1	0	0	0	10
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	35	10	1	0	0	35
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	16	5	0	5	0	16
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	18	1	0	18	0	0
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	5	0	1	0	0	5
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	11	3	0	0	0	11
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	15	1	0	15	0	1
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							5.0	4.4	3.2	2.9	.	7.4
Standard Deviation							3.5	3.1	2.2	2.0	0.0	5.2
CV							25.2	110.27	256.87	50.77	0.0	49.46
Replicate F							4.421	4.525	1.914	2.040	NaN	4.360
Replicate Prob(F)							0.0096	0.0086	0.1448	0.1256	NaN	0.0102
Treatment F							40.921	4.424	1.346	42.600	NaN	23.243
Treatment Prob(F)							0.0001	0.0003	0.2368	0.0001	NaN	0.0001

Continued

Table 14. Continued

Rating Date						May-13-2025	May-28-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025	Apr-30-2025
Rating Type						STAND LOSS	STAND LOSS	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit						%	%	CM	CM	CM	CM	CM
Rating Min/Max/Interval						0, 100, -	0, 100, -					
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl. Interval						18 DA 1 LF	33 DA 1LF	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG	7 DA PEG
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	11	11	11	11
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	0	0	10	10	10	10
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	1	3	11	10	10	10
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	9	4	10	9	10	8
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	3	0	9	7	10	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	3	3	9	10	10	10
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	1	0	10	10	10	10
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	10	1	10	11	11	9
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	5	0	9	9	9	9
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	1	0	10	10	10	9
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	0	1	10	9	9	9
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	3	0	10	9	9	7
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	1	0	10	9	10	11
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							4.4	3.2	2.8	2.7	2.2	3.0
Standard Deviation							3.1	2.2	1.9	1.9	1.6	2.1
CV							110.27	256.87	19.65	20.0	15.8	21.97
Replicate F							4.525	1.914	7.443	2.285	6.449	1.148
Replicate Prob(F)							0.0086	0.1448	0.0005	0.0954	0.0013	0.3428
Treatment F							4.424	1.346	0.683	1.166	0.600	1.376
Treatment Prob(F)							0.0003	0.2368	0.7557	0.3426	0.8276	0.2219

Continued

Table 14. Continued

Table 14. Continued						May-6-2025	May-6-2025	May-6-2025	May-6-2025	May-6-2025	Apr-30-2025	May-6-2025	
Rating Date						HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	STAND	STAND	
Rating Type													
Rating Unit						CM	CM	CM	CM	CM			
Rating													
Min/Max/Interval													
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	13 DA PEG	7 DA PEG	13 DA PEG	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						14	16	16	15	15	28	30
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	14	13	15	15	14	24	31
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	15	13	14	15	14	24	35
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	14	14	15	14	14	21	24
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	13	14	14	15	14	26	32
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING							
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	13	15	14	15	14	24	31
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	12	13	13	13	13	19	30
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	12	13	12	13	13	21	23
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	13	14	13	15	14	24	26
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING							
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	14	14	14	13	14	28	34
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	13	13	13	15	14	24	34
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	13	13	14	15	14	26	27
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	12	13	14	15	14	20	22
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE							
LSD P=.05						1.9	2.0	2.0	2.1	1.2	9.2	9.8	
Standard Deviation						1.3	1.4	1.4	1.5	0.8	6.4	6.9	
CV						9.85	10.01	10.05	10.21	5.93	26.98	23.55	
Replicate F						8.977	2.186	5.291	2.901	10.914	7.542	4.370	
Replicate Prob(F)						0.0001	0.1066	0.0040	0.0481	0.0001	0.0005	0.0101	
Treatment F						1.591	1.289	1.847	1.078	2.118	0.881	1.637	
Treatment Prob(F)						0.1385	0.2668	0.0770	0.4064	0.0409	0.5732	0.1248	

Continued

Table 14. Continued

Table 14. Continued							Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025	Aug-12-2025
Rating Date							HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	YIELD
Rating Type												
Rating Unit							CM	CM	CM	CM	CM	LB/PLOT
Rating												
Min/Max/Interval												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Interval												
Number of Decimals							0	0	0	0	0	2
							22	23	24	25	26	27
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						82	83	78	83	81	10.12
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	85	88	87	89	87	9.86
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	83	84	84	84	84	11.14
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	87	89	93	90	89	11.16
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	83	83	88	89	86	10.85
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING						
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	83	84	86	86	85	10.75
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	86	88	88	90	88	11.10
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	89	89	89	90	89	11.63
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	89	92	93	92	91	11.19
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING						
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	88	86	89	88	88	10.86
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	92	92	84	91	90	11.70
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	91	91	92	89	91	11.08
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	91	93	93	93	92	11.27
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE						
LSD P=.05							7.0	7.4	6.2	8.8	4.6	1.519
Standard Deviation							4.9	5.2	4.3	6.1	3.2	1.059
CV							5.61	5.93	4.88	6.9	3.66	9.65
Replicate F							3.546	0.665	4.801	3.750	3.149	2.607
Replicate Prob(F)							0.0239	0.5792	0.0065	0.0193	0.0367	0.0666
Treatment F							2.060	1.943	3.924	0.973	3.977	0.958
Treatment Prob(F)							0.0469	0.0616	0.0007	0.4911	0.0006	0.5042

Continued

Table 14. Continued

							Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							MOICON	YIELD	YIELD	YIELD
Rating Type							%	LB/A	BU/A	KG/HA
Rating Unit							0, 100, -			
Rating Min/Max/Interval							RICE	RICE	RICE	RICE
Pest Code							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Treatment Appl. Interval							1	0	0	0
Number of Decimals							28	29	30	31
Trt	Treatment	Rate	Other	Rate	Other	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing				
1	Nontreated						13.6	6674	148	7481
2	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING	14.3	6446	143	7225
3	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	12.5	7458	166	8360
4	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PIPING	12.8	7439	165	8338
5	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PIPING	14.5	7076	157	7931
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PIPING				
6	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING	15.1	6964	155	7806
7	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	13.2	7364	164	8254
8	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	PEGGING	12.3	7796	173	8738
9	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	PEGGING	12.5	7499	167	8405
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	PEGGING				
10	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE	11.6	7385	164	8277
11	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	11.8	7901	176	8856
12	TVE29-R036	8.60	fl oz/a	0.224	lb ai/a	1 Lf RICE	14.1	7283	162	8163
13	TVE29-R036	4.30	fl oz/a	0.112	lb ai/a	1 Lf RICE	11.9	7600	169	8519
	COMMAND 3ME	10.75	fl oz/a	0.252	lb ai/a	1 Lf RICE				
LSD P=.05							4.82	1358.3	30.2	1522.4
Standard Deviation							3.36	947.2	21.0	1061.6
CV							25.66	12.98	12.98	12.98
Replicate F							2.143	2.754	2.754	2.754
Replicate Prob(F)							0.1119	0.0566	0.0566	0.0566
Treatment F							0.464	0.772	0.772	0.772
Treatment Prob(F)							0.9227	0.6742	0.6742	0.6742
<u>Rating Type</u>							<u>Rating Unit</u>			
HEIGHT = height							%, 0, 100, = percent			
YIELD = yield							CM, , , = centimeter			
MOICON = moisture content							LB/PLOT, , , = pounds per plot			
							KG/HA, , , = kilograms per hectare			

LSU AgCenter
School of Plant, Environmental and Soil Sciences

ALS Herbicides Mixed with Auxin Herbicides for Perennial Grass Control

Experiment number : **C25-56**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x13'
 Row width/# per plot..... : Broadcast
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 Water-seeded @ 100 lbs/A
 Planting date : 4/17/2025
 Emergence date..... : 4/21/2025
 Harvest date..... : 8/12/2025
 Uniform Standard Treatment..... : Gambit 1.5oz/A on 5/14

Application type : PREFLOOD
 Date applied [mm/dd/yy]..... : 5/22/25
 Time [hh:mm-hh:mm] : 12:45-1:00p
 Air/Soil temperature [F] : 85/75
 Relative humidity [%] : 65%
 Wind [mph, direction] : 5-6, E
 Weather [sunny, etc]..... : Cloudy
 Soil/Leaf surface moist..... : Wet/dry
 Crop stage/Height..... : 1-2til/8-10"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Species (population)..... :- (height/#leaves)
 ECHCG (10-20m²) : 4-5"/4-5lf
 PASAC (5 ring) : 10-15"/10-12lf
 ECHPO (5 ring)..... : 10-15"/10-12lf
 LUZFL (6"x6" clump)..... : 2-4"/80-100lf
 PASMD (5 ring) : 8-10/8-10lf
 LEROR (4"x4" clump)..... : 6-10"/20-40lf

Flush Dates : 4/21/25
 Permanent Flood..... : 5/23/25

***AMFF – Air mix flat fan nozzles**

Table 15. ALS Herbicides Mixed with Auxin Herbicides for Perennial Grass Control

Table 10: RES Herbicides Mixed with Axial Herbicides for Perennial Grass Control						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type										W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	0	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	0	5	16	38
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	0	10	8	15
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	8	5	10
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	13	19	18
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	20	14	30
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 15. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	
						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	
						%	%	%	%	%	%	%	
						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
										W, Weed	W, Weed	W, Weed	
						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD	
						15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT	
						Interval							
						Number of Decimals	0	0	0	0	0	0	
						Other	1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	5	6	13
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	11	8	10
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	10	10	10
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							.	.	.	.	6.9	7.6	6.3
Standard Deviation							0.0	0.0	0.0	0.0	4.7	5.2	4.3
CV							0.0	0.0	0.0	0.0	53.01	54.99	27.35
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	NaN	NaN	0.651	0.343	1.333
Replicate Prob(F)							NaN	NaN	NaN	NaN	0.5903	0.7942	0.2869
Treatment F							NaN	NaN	NaN	NaN	5.696	5.163	27.667
Treatment Prob(F)							NaN	NaN	NaN	NaN	0.0005	0.0008	0.0001

Continued

Table 15. Continued

						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS
Rating Type						%	Grams	%	%	%	%	Grams
Rating Unit												
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0					
	No Herbicide							399	0	0	0	344
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						5					
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD		360	20	5	18	420
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						5					
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD		229	8	8	16	858
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	5					
	No Herbicide							276	41	5	10	503
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	11					
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD		451	86	93	90	19
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	10					
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD		264	13	10	10	761
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Table 15. Continued

Table 13: Continued						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	
Rating Type						%	Grams	%	%	%	%	Grams	
Rating Unit													
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC	
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	629	0	6	10	0	560
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	5	566	81	84	79	75	130
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	5	256	0	8	10	8	525
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							1.2	233.8	4.7	5.1	10.2	5.6	258.6
Standard Deviation							0.8	159.4	3.2	3.5	7.0	3.8	176.8
CV							16.22	41.23	11.64	14.32	25.51	17.0	38.12
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							1.000	2.480	3.464	0.696	0.927	0.297	2.975
Replicate Prob(F)							0.4098	0.0878	0.0320	0.5638	0.4434	0.8273	0.0527
Treatment F							82.000	3.162	457.559	443.087	88.465	339.656	9.192
Treatment Prob(F)							0.0001	0.0153	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 15. Continued

Table 13: Continued						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
Rating Type						%	%	%	%	Grams	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No Herbicide						0	0	0	0	401	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
2	No Herbicide						0	0	0	0	654	0	0
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
3	No Herbicide						0	0	0	0	356	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	412	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	490	0	0
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	484	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							

Continued

Table 15. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
						%	%	%	%	Grams	%	%	
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	500	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	527	0	0
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	388	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05						.	.	.	.	218.0	.	.	
Standard Deviation						0.0	0.0	0.0	0.0	148.3	0.0	0.0	
CV						0.0	0.0	0.0	0.0	33.33	0.0	0.0	
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F						NaN	NaN	NaN	NaN	1.756	NaN	NaN	
Replicate Prob(F)						NaN	NaN	NaN	NaN	0.1864	NaN	NaN	
Treatment F						NaN	NaN	NaN	NaN	0.713	NaN	NaN	
Treatment Prob(F)						NaN	NaN	NaN	NaN	0.6619	NaN	NaN	

Continued

Table 15. Continued

						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	Grams	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
						Other	Other	Other	Other	Other	Other	Other
						22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	278	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	423	89	95	90
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	251	0	18	25
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	235	93	94	85
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	306	91	95	91
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	277	79	91	90
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 15. Continued

						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	Grams	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO	
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	282	71	85	70	68
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	367	90	95	90	91
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	321	88	84	71	80
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							.	.	118.8	16.5	8.9	9.2	19.6
Standard Deviation							0.0	0.0	81.4	11.3	6.1	6.3	13.5
CV							0.0	0.0	26.76	16.96	8.35	9.26	20.27
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	0.791	2.230	0.817	1.347	1.457
Replicate Prob(F)							NaN	NaN	0.5109	0.1107	0.4969	0.2861	0.2511
Treatment F							NaN	NaN	2.104	46.108	146.710	127.008	30.438
Treatment Prob(F)							NaN	NaN	0.0760	0.0001	0.0001	0.0001	0.0001

Continued

Table 15. Continued

Table 13: Continued						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025
Rating Date						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT
Rating Type						Grams	%	%	%	%	cm	cm
Rating Unit												
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE
Treatment Appl.						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT
Interval											HARVEST	HARVEST
Number of Decimals						0	0	0	0	0	0	0
Other						29	30	31	32	33	34	35
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						224	0	0	0	87	85
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						1	93	94	85	97	91
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						986	45	54	10	86	87
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	49	64	73	38	54	99
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	94	89	79	85	92
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	86	76	89	60	63	95
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 15. Continued

Table 13: Continued						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025	
Rating Date						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT	
Rating Type						Grams	%	%	%	%	cm	cm	
Rating Unit													
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -			
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE	
Treatment Appl.						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT	
Interval											HARVEST	HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
Other						29	30	31	32	33	34	35	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	156	94	94	86	89	99	101
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	7	94	95	85	89	100	98
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	51	94	88	78	86	98	97
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							200.8	16.1	9.8	12.8	12.2	6.7	7.2
Standard Deviation							137.6	11.0	6.7	8.7	8.4	4.6	4.9
CV							79.39	15.22	8.99	14.49	13.5	4.84	5.25
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							0.527	2.227	0.056	0.478	1.656	0.044	0.832
Replicate Prob(F)							0.6680	0.1110	0.9820	0.7013	0.2031	0.9876	0.4896
Treatment F							20.836	34.106	85.297	65.094	74.096	4.976	4.648
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0010	0.0016

Continued

Table 15. Continued

Rating Date							Jul-11-2025	Jul-11-2025	Jul-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Type							HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD
Rating Unit							cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA
Rating Min/Max/Interval							0, 100, -							
Pest Type							W, Weed							
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	2	1	0	0	0
Other							36	37	38	39	40	41	43	43
Trt	Treatment	Rate	Other	Rate	Appl									
No	Name	Rate	Unit	Rate	Unit	Timing								
1	No Herbicide						87	89	87	3.78	13.0	2981	66	3341
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
2	No Herbicide						93	95	94	7.04	14.4	5470	122	6131
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
3	No Herbicide						86	92	88	4.64	13.6	3642	81	4082
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	96	95	96	5.96	13.7	4668	104	5232
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	97	100	97	7.62	14.2	5942	132	6660
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	99	97	97	7.26	14.2	5661	126	6346
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								

Continued

Table 15. Continued

Table 13: Continued						Jul-11- 2025	Jul-11- 2025	Jul-11- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	
Rating Date						HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD	
Rating Type						cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA	
Rating Unit						0, 100, -								
Rating														
Min/Max/Interval														
Pest Type						W, Weed								
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	2	1	0	0	0	
Other						36	37	38	39	40	41	43	43	
Trt	Treatment	Rate	Other	Rate	Appl									
No.	Name	Rate	Unit	Rate	Unit	Timing								
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	101	99	100	7.96	14.3	6197	138	6945
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	99	98	99	7.75	14.3	6029	134	6758
	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	99	97	97	7.91	14.3	6160	137	6905
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
LSD P=.05						7.4	8.9	5.3	1.202	0.79	936.2	20.8	1049.4	
Standard Deviation						5.0	6.1	3.6	0.818	0.54	636.7	14.1	713.6	
CV						5.31	6.35	3.82	12.43	3.86	12.4	12.4	12.4	
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F						1.901	1.011	0.889	2.789	1.923	2.965	2.965	2.965	
Replicate Prob(F)						0.1563	0.4052	0.4610	0.0657	0.1528	0.0554	0.0554	0.0554	
Treatment F						4.428	1.320	6.257	15.679	2.885	15.267	15.267	15.267	
Treatment Prob(F)						0.0021	0.2810	0.0002	0.0001	0.0211	0.0001	0.0001	0.0001	
Rating Type		Rating Unit		Pest Type		Pest Code								
HEIGHT = height		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		PASMD, Paspalum modestum, Paspalum modestum = US								
Yield = yield		cm, , , = centimeter				PASAC, Paspalum acuminatum, Paspalum acuminatum = US								
		lb/plot, , , = pounds per plot				LUZFL, Luziola fluitans, Southern watergrass = US								
		KG/HA, , , = kilograms per hectare				LEROR, Leersia oryzoides, ricegrass = US								
						ECHPO, Echinochloa polystachya, creeping rivergrass = US								
						ECHCG, Echinochloa crus-galli, common barnyardgrass = US								

LSU AgCenter
School of Plant, Environmental and Soil Sciences

ALS Herbicides Mixed with ACCASE Herbicides for Perennial Grass Control

Experiment number : **C25-57**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x13'
 Row width/# per plot..... : Broadcast
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 Water-seeded @ 100 lbs/A
 Planting date : 4/17/2025
 Emergence date..... : 4/21/2025
 Harvest date..... : 8/12/2025
 Uniform Stand Treatment..... : Gambit 1.5oz/A on 5/14

Application type : PREFLOOD
 Date applied [mm/dd/yy]..... : 5/22/25
 Time [hh:mm-hh:mm] : 1:34-1:46p
 Air/Soil temperature [F] : 85/75
 Relative humidity [%] : 68%
 Wind [mph, direction] : 6-8, E
 Weather [sunny, etc]..... : Sunny
 Soil/Leaf surface moist..... : Wet/dry
 Crop stage/Height..... : 1-2til/8-10"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Species (population)..... :- (height/#leaves) –
 ECHCG (10-20m²) : 4-5"/4-5lf
 PASAC (5 ring) : 10-15"/10-12lf
 ECHPO (5 ring)..... : 10-15"/10-12lf
 LUZFL (6"x6" clump)..... : 2-4"/80-100lf
 PASFL (5 ring)..... : 8-10"/8-10lf
 LEROR (4"x4" clump)..... : 6-10"/20-40lf

Flush Dates : 4/21/25
 Permanent Flood..... : 5/23/25

***AMFF – Air mix flat fan nozzles**

Table 16. ALS Herbicides Mixed with ACCASE Herbicides for Perennial Grass Control

Table 10: RES Herbicides Mixed with ACCASE Herbicides for Perennial Grass Control							Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	
Rating Date							INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	
Rating Type							%	%	%	%	%	%	%	
Rating Unit														
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval														
Pest Type											W, Weed	W, Weed	W, Weed	
Pest Code							RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD	
Treatment Appl.							15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT	
Interval														
Number of Decimals							0	0	0	0	0	0	0	
							Other	1	2	3	4	5	6	7
Trt	Treatment	Rate	Unit	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing								
1	No Herbicide						0	0	0	0	0	0	0	
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
2	No Herbicide						0	0	0	0	85	89	85	
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
3	No Herbicide						0	0	0	0	91	84	81	
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	5	10	10	
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	90	84	73	
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	65	59	45	
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								

Continued

Table 16. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	
Rating Date						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type										W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	0	0	
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	86	85	73	
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	83	78	75	
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							.	.	.	7.7	5.3	10.5	
Standard Deviation							0.0	0.0	0.0	0.0	5.3	3.6	7.2
CV							0.0	0.0	0.0	0.0	9.36	6.74	14.72
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F							NaN	NaN	NaN	NaN	0.604	0.765	0.760
Replicate Prob(F)							NaN	NaN	NaN	NaN	0.6189	0.5247	0.5276
Treatment F							NaN	NaN	NaN	NaN	250.157	461.348	100.373
Treatment Prob(F)							NaN	NaN	NaN	NaN	0.0001	0.0001	0.0001

Continued

Table 16. Continued

						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS
Rating Type						%	Grams	%	%	%	%	Grams
Rating Unit												
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	315	0	0	0	375
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						84	63	44	14	10	320
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						80	114	0	5	5	513
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	10	577	26	33	15	300
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	83	77	40	45	25	304
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	43	394	71	88	60	188
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Table 16. Continued

						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	
Rating Type						%	Grams	%	%	%	%	Grams	
Rating Unit													
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC	
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	613	0	0	0	1013	
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	75	92	10	10	10	478	
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	70	226	10	10	10	665	
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							6.5	280.4	4.1	4.2	.	293.0	
Standard Deviation							4.5	192.2	2.8	2.9	0.0	200.8	
CV							9.1	70.04	12.68	12.75	0.0	43.49	
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F							3.069	3.187	0.547	0.750	NaN	0.750	
Replicate Prob(F)							0.0471	0.0419	0.6551	0.5331	NaN	0.5328	
Treatment F							267.448	4.961	309.518	392.333	NaN	6.214	
Treatment Prob(F)							0.0001	0.0010	0.0001	0.0001	NaN	0.0002	

Continued

Table 16. Continued

Table 10. Continued						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
Rating Type						%	%	%	%	Grams	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No Herbicide						0	0	0	0	475	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
2	No Herbicide						43	40	45	35	72	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
3	No Herbicide						0	0	0	0	295	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	0	0	404	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	50	41	35	25	97	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	10	8	281	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							

Continued

Table 16. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
						%	%	%	%	Grams	%	%	
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	515	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	49	41	35	16	119	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	0	0	387	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							3.6	3.5	197.6	.	.	3.6	3.5
Standard Deviation							2.5	2.4	135.4	0.0	0.0	2.5	2.4
CV							17.66	25.59	46.11	0.0	0.0	17.66	25.59
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							0.308	0.449	0.760	NaN	NaN	0.308	0.449
Replicate Prob(F)							0.8196	0.7203	0.5278	NaN	NaN	0.8196	0.7203
Treatment F							235.846	122.633	6.027	NaN	NaN	235.846	122.633
Treatment Prob(F)							0.0001	0.0001	0.0003	NaN	NaN	0.0001	0.0001

Continued

Table 16. Continued

Table 10: Continued						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	Grams	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO	
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No Herbicide						0	0	255	0	0	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
2	No Herbicide						0	0	233	45	20	25	5
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
3	No Herbicide						0	0	192	70	45	23	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	309	88	89	90	90
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	303	90	90	88	88
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	0	0	190	90	91	78	80
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							

Continued

Table 16. Continued

Table 10. Continued						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	Grams	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO	
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	308	90	94	90	89
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	393	93	93	90	90
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	0	244	91	95	90	90
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							.	.	2.9	2.6	9.6	8.4	2.9
Standard Deviation							0.0	0.0	2.0	1.8	6.5	5.8	2.0
CV							0.0	0.0	2.72	2.56	10.29	9.76	2.72
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	2.059	0.830	1.924	1.470	2.059
Replicate Prob(F)							NaN	NaN	0.1324	0.4903	0.1526	0.2476	0.1324
Treatment F							NaN	NaN	1005.353	1777.302	125.822	224.268	1005.353
Treatment Prob(F)							NaN	NaN	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 16. Continued

Table 10: Continued						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025
Rating Date						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT
Rating Type						Grams	%	%	%	%	cm	cm
Rating Unit												
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE
Treatment Appl.						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT
Interval											HARVEST	HARVEST
Number of Decimals						0	0	0	0	0	0	0
Other						29	30	31	32	33	34	35
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						291	0	0	0	79	86
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						385	91	69	59	92	98
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						446	89	83	74	95	96
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	39	51	50	30	73	97
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	128	64	53	48	95	96
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	14	66	54	40	94	98
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 16. Continued

Table 10. Continued						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025	
						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT	
						Grams	%	%	%	%	cm	cm	
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -			
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE	
Treatment Appl.						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT	
Interval											HARVEST	HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
Other						29	30	31	32	33	34	35	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	0	91	85	81	84	102	101
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	5	95	90	81	89	100	104
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	30	96	90	84	89	95	99
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							218.5	10.6	4.7	11.9	3.9	25.4	8.6
Standard Deviation							149.7	7.2	3.2	8.2	2.7	17.4	5.9
CV							100.89	10.14	5.09	14.78	4.73	19.03	6.08
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							1.275	0.624	1.149	0.875	1.290	0.484	0.293
Replicate Prob(F)							0.3055	0.6066	0.3495	0.4680	0.3004	0.6968	0.8303
Treatment F							5.617	74.453	319.144	48.930	579.194	1.174	2.623
Treatment Prob(F)							0.0005	0.0001	0.0001	0.0001	0.0001	0.3545	0.0322

Continued

Table 16. Continued

Rating Date							Jul-11-2025	Jul-11-2025	Jul-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Type							HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD
Rating Unit							cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA
Rating Min/Max/Interval							0, 100, -							
Pest Type							W, Weed							
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	2	1	0	0	0
Other							36	37	38	39	40	41	43	43
Trt	Treatment	Rate	Other	Rate	Appl									
No	Name	Rate	Unit	Rate	Unit	Timing								
1	No Herbicide						85	89	85	3.69	13.2	2832	63	3175
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
2	No Herbicide						95	99	96	7.33	14.9	5510	122	6176
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
3	No Herbicide						98	95	96	7.50	14.7	5656	126	6340
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
4	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	97	98	91	6.27	14.0	4763	106	5338
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
5	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	98	97	96	6.69	14.2	5077	113	5690
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
6	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	100	95	96	6.18	14.2	4684	104	5250
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								

Continued

Table 16. Continued

Rating Date						Jul-11- 2025	Jul-11- 2025	Jul-11- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	
Rating Type						HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD	
Rating Unit						cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA	
Rating						0, 100, -								
Min/Max/Interval														
Pest Type						W, Weed								
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	2	1	0	0	0	
Other						36	37	38	39	40	41	43	43	
Trt	Treatment	Rate	Other	Rate	Appl									
No.	Name	Rate	Unit	Rate	Unit	Timing								
7	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	102	94	100	8.29	14.7	6248	139	7003
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
8	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	101	103	102	8.20	15.0	6163	137	6907
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
9	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	100	100	98	8.26	14.7	6232	138	6986
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
LSD P=.05						8.3	8.4	10.0	0.811	0.77	606.5	13.5	679.8	
Standard Deviation						5.7	5.8	6.9	0.556	0.52	415.6	9.2	465.8	
CV						5.84	5.99	7.2	8.02	3.65	7.93	7.93	7.93	
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F						1.619	5.909	0.237	1.226	0.552	1.187	1.187	1.187	
Replicate Prob(F)						0.2112	0.0036	0.8698	0.3219	0.6515	0.3356	0.3356	0.3356	
Treatment F						3.140	1.778	2.082	27.933	4.499	27.382	27.382	27.382	
Treatment Prob(F)						0.0141	0.1314	0.0788	0.0001	0.0019	0.0001	0.0001	0.0001	
Rating Type		Rating Unit			Pest Type			Pest Code						
HEIGHT = height		%, 0, 100, = percent			W, Weed = Weed or volunteer crop			PASMD, Paspalum modestum, Paspalum modestum = US						
Yield = yield		cm, , , = centimeter						PASAC, Paspalum acuminatum, Paspalum acuminatum = US						
		lb/plot, , , = pounds per plot						LUZFL, Luziola fluitans, Southern watergrass = US						
		KG/HA, , , = kilograms per hectare						LEROR, Leersia oryzoides, ricegrass = US						
								ECHPO, Echinochloa polystachya, creeping rivergrass = US						
								ECHCG, Echinochloa crus-galli, common barnyardgrass = US						

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Auxin Herbicides Mixed with ACCASE Herbicides for Perennial Grass Control

Experiment number : **C25-58**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x13'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 100 lbs/A
 Planting date : 4/17/2025
 Emergence date..... : 4/21/2025
 Harvest date..... : 8/12/2025
 Uniform Stand Treatment..... : Gambit 1.5oz/A on 5/14

Application type : PREFLOOD
 Date applied [mm/dd/yy]..... : 5/22/25
 Time [hh:mm-hh:mm] : 1:02-1:13p
 Air/Soil temperature [F] : 85/75
 Relative humidity [%] : 65%
 Wind [mph, direction] : 5-6, E
 Weather [sunny, etc]..... : Sunny
 Soil/Leaf surface moist..... : Wet/dry
 Crop stage/Height..... : 1-2til/8-10"
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing..... : 15/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Species (population)..... :- (height/#leaves) –
 ECHCG (10-20m²) : 4-5"/4-5lf
 PASAC (5)..... : 10-15"/10-12lf
 ECHPO (5) : 10-15"/10-12lf
 LUZFL (6x6)..... : 2-4"/80-100lf
 PASMD (5)..... : 8-10"/8-10lf
 LEROR (4x4) : 6-10"/20-40lf

Flush Dates : 4/21/25
 Permanent Flood..... : 5/23/25

***AMFF – Air mix flat fan nozzles**

Table 17. Auxin Herbicides Mixed with ACCASE Herbicides for Perennial Grass Control

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type										W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	0	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	0	88	89	81
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	0	89	88	70
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	0	10	16	8
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	0	93	91	88
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	0	84	84	76
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 17. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	
Rating Date						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type										W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	15 DAT	21 DAT	29 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	0	0	13	13	13
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	0	0	88	88	73
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	0	0	86	90	85
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							.	.	.	.	7.9	7.2	12.2
Standard Deviation							0.0	0.0	0.0	0.0	5.4	4.9	8.4
CV							0.0	0.0	0.0	0.0	8.88	7.98	15.34
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	NaN	NaN	1.728	2.919	0.224
Replicate Prob(F)							NaN	NaN	NaN	NaN	0.1880	0.0547	0.8791
Treatment F							NaN	NaN	NaN	NaN	221.473	256.251	76.070
Treatment Prob(F)							NaN	NaN	NaN	NaN	0.0001	0.0001	0.0001

Continued

Table 17. Continued

						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS
Rating Type						%	Grams	%	%	%	%	Grams
Rating Unit												
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	364	0	0	0	487
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						80	11	51	43	41	239
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						68	77	0	10	10	682
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	393	18	60	45	322
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	90	17	44	39	18	296
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	79	60	0	10	10	570
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Table 17. Continued

Table 17: Continued						Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	
Rating Date						CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	
Rating Type						%	Grams	%	%	%	%	Grams	
Rating Unit													
Rating						0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						PASMD	PASMD	PASAC	PASAC	PASAC	PASAC	PASAC	
Treatment Appl.						40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	5	304	10	10	10	0	693
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	86	20	15	10	10	0	451
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	85	25	3	10	10	0	575
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							11.0	161.7	13.2	22.7	22.3	23.2	229.2
Standard Deviation							7.5	109.9	9.0	15.5	15.3	15.9	157.1
CV							13.78	89.72	57.93	73.1	89.31	184.63	32.76
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							2.035	1.002	1.597	2.282	1.729	2.055	1.565
Replicate Prob(F)							0.1358	0.4116	0.2163	0.1048	0.1877	0.1329	0.2239
Treatment F							114.229	7.187	18.477	6.928	4.095	3.390	4.483
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0034	0.0096	0.0020

Continued

Table 17. Continued

						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
						%	%	%	%	Grams	%	%	
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						15	16	17	18	19	20	21	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No Herbicide						0	0	0	0	613	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
2	No Herbicide						53	64	68	79	85	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
3	No Herbicide						0	0	0	0	399	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	0	0	516	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	58	61	74	68	133	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	0	0	335	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							

Continued

Table 17. Continued

Table 17: Continued						Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	
Rating Type						%	%	%	%	Grams	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -		0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LUZFL	LUZFL	LUZFL	LUZFL	LUZFL	LEROR	LEROR	
Treatment Appl.						15 DAT	21 DAT	29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	15	16	17	18	19	20	21
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	0	0	366	0	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	40	26	15	13	288	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	0	0	255	38	28
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							8.0	19.6	16.1	13.4	270.0	2.4	4.2
Standard Deviation							5.5	13.4	11.0	9.2	185.0	1.7	2.9
CV							33.04	79.84	63.59	51.9	55.72	40.0	94.48
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							0.244	0.066	0.325	1.025	0.747	1.000	1.000
Replicate Prob(F)							0.8646	0.9776	0.8074	0.3991	0.5346	0.4098	0.4098
Treatment F							85.122	16.560	30.801	48.414	3.319	225.000	40.333
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0107	0.0001	0.0001

Continued

Table 17. Continued

						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	Grams	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
						Other	Other	Other	Other	Other	Other	Other
						22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	225	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	388	86	91	55
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	215	90	90	30
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	482	91	79	78
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	425	90	95	90
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	0	236	80	78	58
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 17. Continued

						Jun-19-2025	Jun-30-2025	Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	Grams	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO	ECHPO	
Treatment Appl.						29 DAT	40 DAT	41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	22	23	24	25	26	27	28
Trt	Treatment	Rate	Unit	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	299	0	40	23	0
	No Herbicide												
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	0	0	300	18	28	28	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	21	25	175	50	63	28	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD							
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD							
LSD P=.05							4.2	4.9	136.6	21.6	23.7	24.1	33.0
Standard Deviation							2.8	3.3	93.6	14.8	16.3	16.5	22.6
CV							120.55	120.0	30.72	26.42	26.03	38.32	64.78
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							1.000	1.000	1.455	2.107	1.518	0.173	0.132
Replicate Prob(F)							0.4098	0.4098	0.2518	0.1259	0.2354	0.9133	0.9400
Treatment F							24.771	25.000	5.071	29.208	16.528	12.255	10.558
Treatment Prob(F)							0.0001	0.0001	0.0009	0.0001	0.0001	0.0001	0.0001

Continued

Table 17. Continued

						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025
Rating Date						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT
Rating Type						Grams	%	%	%	%	cm	cm
Rating Unit												
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE
Treatment Appl.						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT
Interval											HARVEST	HARVEST
Number of Decimals						0	0	0	0	0	0	0
Other						29	30	31	32	33	34	35
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						469	0	0	0	85	83
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						127	90	74	81	96	95
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						298	70	90	80	97	95
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	104	92	89	86	95	95
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	0	90	90	84	89	100
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	95	90	86	81	83	98
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 17. Continued

						Jul-1-2025	Jun-5-2025	Jun-11-2025	Jun-19-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025		
						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT		
						Grams	%	%	%	%	cm	cm		
							0, 100, -	0, 100, -	0, 100, -	0, 100, -				
						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed				
						ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE		
						41 DAT	15 DAT	21 DAT	29 DAT	40 DAT	AT	AT		
											HARVEST	HARVEST		
						0	0	0	0	0	0	0		
Other						29	30	31	32	33	34	35		
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing								
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	529	68	56	54	50	96	95	
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	459	90	71	78	75	95	96	
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	552	86	84	78	76	97	98	
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
LSD P=.05							186.4	15.7	27.9	10.1	15.8	7.9	6.8	
Standard Deviation							127.7	10.7	19.1	6.9	10.8	5.4	4.7	
CV							43.7	14.31	26.86	10.04	15.4	5.72	4.95	
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F							1.815	0.963	0.645	0.284	0.862	0.263	0.225	
Replicate Prob(F)							0.1713	0.4263	0.5939	0.8362	0.4742	0.8511	0.8782	
Treatment F							11.310	30.446	9.179	63.231	28.652	2.223	3.838	
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0622	0.0049	

Continued

Table 17. Continued

Rating Date							Jul-11-2025	Jul-11-2025	Jul-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Type							HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD
Rating Unit							cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA
Rating Min/Max/Interval							0, 100, -							
Pest Type							W, Weed							
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	2	1	0	0	0
Other							36	37	38	39	40	41	43	43
Trt	Treatment	Rate	Other	Rate	Appl									
No	Name	Rate	Unit	Rate	Unit	Timing								
1	No Herbicide						83	85	84	3.59	13.0	2891	64	3241
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
2	No Herbicide						95	91	94	7.58	14.8	5988	133	6712
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
3	No Herbicide						98	97	97	7.66	14.7	6057	135	6789
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
4	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	91	96	94	7.44	15.0	5866	130	6575
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
5	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	100	99	99	7.73	15.1	6089	135	6825
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
6	Loyant	0.021	lb ai/a	12.9	fl oz/a	PREFLOOD	99	99	98	7.69	15.1	6059	135	6791
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								

Continued

Table 17. Continued

Rating Date						Jul-11- 2025	Jul-11- 2025	Jul-11- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	Aug-12- 2025	
Rating Type						HEIGHT	HEIGHT	HEIGHTS AVG	Yield	MOI CON	YIELD	YIELD	YIELD	
Rating Unit						cm	cm	cm	lb/plot	%	LB/A	BU/A	KG/HA	
Rating						0, 100, -								
Min/Max/Interval														
Pest Type						W, Weed								
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	2	1	0	0	0	
Other						36	37	38	39	40	41	43	43	
Trt	Treatment	Rate	Other	Rate	Appl									
No.	Name	Rate	Unit	Rate	Unit	Timing								
7	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	97	99	97	6.54	14.7	5170	115	5795
	No Herbicide													
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
8	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	99	96	96	7.44	15.3	5849	130	6556
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
9	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	101	99	99	7.43	15.1	5843	130	6549
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD								
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD								
LSD P=.05						15.8	7.9	6.8	0.618	0.86	468.4	10.4	525.0	
Standard Deviation						10.8	5.4	4.7	0.423	0.59	320.9	7.1	359.7	
CV						15.4	5.72	4.95	6.04	3.97	5.8	5.8	5.8	
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F						0.862	0.263	0.225	9.198	1.214	9.363	9.363	9.363	
Replicate Prob(F)						0.4742	0.8511	0.8782	0.0003	0.3262	0.0003	0.0003	0.0003	
Treatment F						28.652	2.223	3.838	39.752	5.550	41.185	41.185	41.185	
Treatment Prob(F)						0.0001	0.0622	0.0049	0.0001	0.0005	0.0001	0.0001	0.0001	
Rating Type		Rating Unit		Pest Type		Pest Code								
Yield = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		PASMD, Paspalum modestum, Paspalum modestum = US								
MOICON = moisture content		cm, , , = centimeter				PASAC, Paspalum acuminatum, Paspalum acuminatum = US								
		KG/HA, , , = kilograms per hectare				LUZFL, Luziola fluitans, Southern watergrass = US								
						LEROR, Leersia oryzoides, ricegrass = US								
						ECHPO, Echinochloa polystachya, creeping rivergrass = US								
						ECHCG, Echinochloa crus-galli, common barnyardgrass = US								

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Rouge Programs for Perennial Grass Control

Experiment number : **C25-59**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x13'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 Waterseeded at 100 lbs/A
 Planting date : 4/17/2025
 Emergence date..... : 4/21/2025
 Harvest date..... : 8/12/2025
 Uniform Stand Treatment..... : Gambit 1.5oz/A on 5/14

Application type	POSTFLOOD	TOPDRESS
Date applied [mm/dd/yy].....	5/27/25	6/12
Time [hh:mm-hh:mm]	10:25-10:36a	11:22-11:24a
Air/Soil temperature [F]	79/69	83/78
Relative humidity [%]	79%	83/78
Wind [mph, direction]	6-8, S	8-10, SSW
Weather [sunny, etc].....	Ptly cloudy	Cloudy
Soil/Leaf surface moist.....	Wet/dry	Wet/dry
Crop stage/Height.....	4-5lf/	2-3til/28-32"
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	20/5/15	50/5/15
GPA/PSI	15/21	15/21
Applied by	MTB	LCW

Weed Species (population)..... :- (height/#leaves) –

LEROR (10-15m ²).....	6-7"/4-5lf	10-15"/20-30lf
LUZFL (100-200m ²)	3-4"/1-3lf	2-3"/100-200lf
PASAC (15-20m ²).....	6-7"/5-6lf	15-24"/25-35lf
PASFL (12-18m ²).....	6-7"/4-5lf	8-18"/30-40lf
ECHPO (15-20m ²).....	6-7"/4-5lf	15-28"/20-30lf
ECHCG (15-20m ²)	2-3"/1-3lf	24-30"/2-3til

Flush Dates : 4/21/25
 Permanent Flood..... : 5/23/25

***AMFF – Air mix flat fan nozzles**

Table 18. Rouge Programs for Perennial Grass Control

						Jun-5- 2025	Jun-10- 2025	Jun-18- 2025	Jun-30- 2025	Jun-5- 2025	Jun-10- 2025	Jun-18- 2025	Jun-30- 2025
Rating Date						INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%	%
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval													
Pest Type										W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	RICE	PASMD	PASMD	PASMD	PASMD
Pest Stage Scale													
Treatment Appl.						15 DAT	22 DAT	30 DAT	40 DAT	15 DAT	22 DAT	30 DAT	40 DAT
Interval													
Number of Decimals						0	0	0	0	0	0	0	0
						1	2	3	4	5	6	7	8
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						0	0	0	0	0	0	0
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	0	0	0	0	10	10
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	0	0	0	3	10	10
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
4	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	0	0	0	0	3	11	11
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	0	0	0	13	13
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	0	0	3	13	13
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	0	0	0	0	0	14	14
	LSD P=.05						.	.	.	.	4.8	4.5	4.5
	Standard Deviation						0.0	0.0	0.0	0.0	3.2	3.0	3.0
	CV						0.0	0.0	0.0	0.0	299.79	30.37	30.37
	Replicate F						NaN	NaN	NaN	NaN	1.269	0.774	0.774
	Replicate Prob(F)						NaN	NaN	NaN	NaN	0.3148	0.5235	0.5235
	Treatment F						NaN	NaN	NaN	NaN	0.692	9.258	9.258
	Treatment Prob(F)						NaN	NaN	NaN	NaN	0.6589	0.0001	0.0001

Continued

Table 18. Continued

Rating Date						Jun-5- 2025	Jun-10- 2025	Jun-18- 2025	Jun-30- 2025	Jun-5- 2025	Jun-10- 2025	Jun-18- 2025	Jun-30- 2025
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%	%	%
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASAC	PASAC	PASAC	PASAC	LUZFL	LUZFL	LUZFL	LUZFL
Pest Stage Scale													
Treatment Appl. Interval						15 DAT	22 DAT	30 DAT	40 DAT	15 DAT	22 DAT	30 DAT	40 DAT
Number of Decimals						0	0	0	0	0	0	0	0
Other						9	10	11	12	13	14	15	16
Trt	Treatment	Rate	Unit	Other Rate	Unit	Appl Timing							
No.	Name	Rate	Unit	Rate	Unit								
1	Nontreated						0	0	0	0	0	0	0
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	0	10	10	0	0	0
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	3	11	11	0	0	0
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
4	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	0	0	11	11	0	0	0
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	20	20	0	20	39
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	11	11	0	20	23
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	0	0	10	10	0	5	15
	LSD P=.05						.	2.8	5.5	5.5	.	.	3.4
	Standard Deviation						0.0	1.9	3.7	3.7	0.0	0.0	2.3
	CV						0.0	529.15	35.12	35.12	0.0	0.0	26.5
	Replicate F						NaN	1.000	0.239	0.239	NaN	NaN	0.462
	Replicate Prob(F)						NaN	0.4155	0.8679	0.8679	NaN	NaN	0.7126
	Treatment F						NaN	1.000	9.870	9.870	NaN	NaN	93.462
	Treatment Prob(F)						NaN	0.4552	0.0001	0.0001	NaN	NaN	0.0001

Continued

Table 18. Continued

						Jun-30-2025	Jun-5-2025	Jun-10-2025	Jun-18-2025	Jun-30-2025	Jun-5-2025	Jun-10-2025	Jun-18-2025
Rating Date													
Rating Type						BIOMASS	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						GRAMS	%	%	%	%	%	%	%
Rating													
Min/Max/Interval							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LUZFL	LEROR	LEROR	LEROR	LEROR	ECHPO	ECHPO	ECHPO
Pest Stage Scale												BBCH	
Treatment Appl. Interval						40 DAT	15 DAT	22 DAT	30 DAT	40 DAT	15 DAT	22 DAT	30 DAT
Number of Decimals						0	0	0	0	0	0	0	0
						17	18	19	20	21	22	23	24
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						444	0	0	0	0	0	0
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	190	0	0	0	0	3	8
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	169	0	0	0	0	3	5
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
4	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	224	0	0	0	0	5	3
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	214	0	0	0	0	5	3
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	268	0	0	5	0	0	5
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	135	0	5	0	0	5	3
LSD P=.05						214.0	.	3.2	5.6	.	.	7.0	5.0
Standard Deviation						144.1	0.0	2.2	3.8	0.0	0.0	4.7	3.3
CV						61.37	0.0	305.51	529.15	0.0	0.0	119.99	93.33
Replicate F						0.517	NaN	1.000	1.000	NaN	NaN	4.875	9.000
Replicate Prob(F)						0.6757	NaN	0.4155	0.4155	NaN	NaN	0.0118	0.0007
Treatment F						1.986	NaN	3.000	1.000	NaN	NaN	1.071	2.143
Treatment Prob(F)						0.1212	NaN	0.0327	0.4552	NaN	NaN	0.4152	0.0982

Continued

Table 18. Continued

							Jun-30-2025	Jun-5-2025	Jun-10-2025	Jun-18-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025
Rating Date							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	HIEGHTS
Rating Type							%	%	%	%	%	CM	CM
Rating Unit													
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -		
Min/Max/Interval													
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed		
Pest Code							ECHPO	ECHCG	ECHCG	ECHCG	ECHCG	RICE	RICE
Pest Stage Scale									BBCH				
Treatment Appl.							40 DAT	15 DAT	22 DAT	30 DAT	40 DAT	AT	AT
Interval												HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0	0
							25	26	27	28	29	30	31
Trt	Treatment	Rate	Other	Rate	Other	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						0	0	0	0	0	100	100
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	0	0	0	0	104	105
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	0	0	0	0	0	104	105
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
4	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	0	0	0	0	0	102	104
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	0	0	0	102	101
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	0	0	0	0	0	104	105
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	0	0	0	0	0	106	106
LSD P=.05							.	.	.	.	.	7.1	5.1
Standard Deviation							0.0	0.0	0.0	0.0	0.0	4.8	3.4
CV							0.0	0.0	0.0	0.0	0.0	4.62	3.31
Replicate F							NaN	NaN	NaN	NaN	NaN	1.164	0.912
Replicate Prob(F)							NaN	NaN	NaN	NaN	NaN	0.3509	0.4546
Treatment F							NaN	NaN	NaN	NaN	NaN	0.630	1.725
Treatment Prob(F)							NaN	NaN	NaN	NaN	NaN	0.7044	0.1724

Continued

Table 18. Continued

Rating Date							Jul-11-2025	Jul-11-2025	Jul-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Type							HEIGHTS	HEIGHTS	HEIGHTS AVG	YIELD	MOICON	YIELD	YIELD
Rating Unit							CM	CM	CM	LB/PLOT	%	LB/A	BU/A
Rating							0, 100, -						
Min/Max/Interval													
Pest Type													
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE
Pest Stage Scale													
Treatment Appl.							AT	AT	AT	HARVEST	HARVEST	HARVEST	HARVEST
Interval							HARVEST	HARVEST	HARVEST				
Number of Decimals							0	0	0	2	1	0	0
							32	33	34	35	36	37	38
Trt	Treatment	Rate	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	Nontreated						105	104	102	7.17	17.9	5326	118
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	105	106	105	7.52	17.8	5592	124
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	106	106	105	7.85	17.9	5826	129
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS							
4	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	105	104	104	8.76	17.4	6546	145
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	102	105	103	8.36	17.8	6220	138
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS							
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	102	104	104	8.40	17.2	6294	140
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD							
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS							
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	105	105	105	7.91	17.8	5879	131
	LSD P=.05						4.4	7.3	4.6	0.956	0.67	729.0	16.2
	Standard Deviation						2.9	4.9	3.1	0.643	0.45	490.7	10.9
	CV						2.84	4.71	2.98	8.05	2.54	8.24	8.24
	Replicate F						1.766	2.085	0.685	7.476	4.866	6.460	6.460
	Replicate Prob(F)						0.1896	0.1381	0.5730	0.0019	0.0119	0.0037	0.0037
	Treatment F						1.077	0.139	0.612	2.921	1.382	2.999	2.999
	Treatment Prob(F)						0.4124	0.9891	0.7181	0.0361	0.2748	0.0328	0.0328

Continued

Table 18. Continued

Rating Date							Aug-12-2025
Rating Type							YIELD
Rating Unit							KG/HA
Rating Min/Max/Interval							
Pest Type							
Pest Code							RICE
Pest Stage Scale							
Treatment Appl. Interval							HARVEST
Number of Decimals							0
							39
Trt	Treatment	Rate		Other	Other	Appl	
No.	Name	Rate	Unit	Rate	Unit	Timing	
1	Nontreated						5970
2	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	6268
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD	
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS	
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS	
3	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	POSTFLOOD	6531
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD	
	ROGUE SC	0.112	lb ai/a	4.2	fl oz/a	TOPDRESS	
4	ROGUE SC	0.223	lb ai/a	8.4	fl oz/a	POSTFLOOD	7338
5	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	6972
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD	
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS	
	MSO	1	% v/v	19.2	fl oz/a	TOPDRESS	
6	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	POSTFLOOD	7054
	MSO	1	% v/v	19.2	fl oz/a	POSTFLOOD	
	ROGUE SC	0.167	lb ai/a	6.3	fl oz/a	TOPDRESS	
7	ROGUE SC	0.335	lb ai/a	12.6	fl oz/a	POSTFLOOD	6589
LSD P=.05							817.1
Standard Deviation							550.0
CV							8.24
Replicate F							6.460
Replicate Prob(F)							0.0037
Treatment F							2.999
Treatment Prob(F)							0.0328

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Beyond Herbicide Programs for Perennial Grass Control

Experiment number : **C25-60**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : CLL19 @ 100 LB/A (waterseeded)
 Planting date : 4/17
 Emergence date..... : 4/22
 Harvest date..... : 8/12
 Uniform Stand Treatment..... : Gambit 1.5oz/A on 5/14

Application type	EPOST	PREFLOOD
Date applied [mm/dd/yy]	5/12/25	5/22/25
Time [hh:mm-hh:mm]	12:04-12:05p	2:58-3:24p
Air/Soil temperature [F]	69/60	87/77
Relative humidity [%]	73%	63%
Wind [mph, direction]	6-8, W	3-5, ESE
Weather [sunny, etc].....	Ptly Cloudy	Sunny
Soil/Leaf surface moist.....	Moist/dry	Moist/dry
Crop stage/Height.....	5lf-1til/6-8"	1-2til/8-10"
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	26/5/15	28/5/15
GPA/PSI	15/21	15/21
Applied by	GRS	GRS

Weed Species (population)..... :- (height/#leaves) –
 Ring

ECHCG (10-15m ²)	NA	10-15"/2-3til
PASAC (5).....	8-10"/8-10s	10-15"/10-12lf
ECHPO (5)	10-12"/10-12s	10-15"/10-12lf
LUZFL (6x6).....	2-4"/40-60lf	2-4"/80-100lf
PASMD (5).....	8-10"/8-10s	8-10"/8-10lf
LEROR (4x4)	6-10"/10-15s	6-10"/20-40lf

Flush Dates : 4/21
 Permanent Flood..... : 5/23

***AMFF – Air mix flat fan nozzles**

Table 19. Beyond Herbicide Programs for Perennial Grass Control

							May-23-2025	Jun-5-2025	Jun-12-2025	Jun-19-2025	Jun-30-2025	May-23-2025
Rating Date							INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Type							%	%	%	%	%	%
Rating Unit												
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type												W, Weed
Pest Code							RICE	RICE	RICE	RICE	RICE	ECHCG
Pest Stage Scale												
Treatment Appl.							14 DA	14 DA	21 DA	28 DA	42 DA	14 DA
Interval							EPOST	PREFL	PREFL	PREFL	PREFL	EPOST
Number of Decimals							0	0	0	0	0	0
							1	2	3	4	5	6
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	0	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	0	0	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	0	0	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						0	0	0	0	0	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						0	0	0	0	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						0	0	0	0	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

						May-23-2025	Jun-5-2025	Jun-12-2025	Jun-19-2025	Jun-30-2025	May-23-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Type						%	%	%	%	%	%
Rating Unit											
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type											W, Weed
Pest Code						RICE	RICE	RICE	RICE	RICE	ECHCG
Pest Stage Scale											
Treatment Appl.						14 DA	14 DA	21 DA	28 DA	42 DA	14 DA
Interval						EPOST	PREFL	PREFL	PREFL	PREFL	EPOST
Number of Decimals						0	0	0	0	0	0
						1	2	3	4	5	6
Trt	Treatment	Rate	Other	Rate	Other	Rate	Other	Rate	Other	Rate	Other
No.	Name	Rate	Unit	Rate	Unit	Appl	Timing				
7	No Herbicide										
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD		0	0	0	0
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	No Herbicide										
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD		0	0	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					

Continued

Table 19. Continued

Rating Date						May-23-2025	Jun-5-2025	Jun-12-2025	Jun-19-2025	Jun-30-2025	May-23-2025
Rating Type						INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit						%	%	%	%	%	%
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type											W, Weed
Pest Code						RICE	RICE	RICE	RICE	RICE	ECHCG
Pest Stage Scale											
Treatment Appl.						14 DA	14 DA	21 DA	28 DA	42 DA	14 DA
Interval						EPOST	PREFL	PREFL	PREFL	PREFL	EPOST
Number of Decimals						0	0	0	0	0	0
						1	2	3	4	5	6
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl				
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	0	0	0	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST					
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
LSD P=.05							0.0	0.0	0.0	0.0	0.0
Standard Deviation							0.0	0.0	0.0	0.0	0.0
CV											
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	NaN	NaN	NaN	NaN
Replicate Prob(F)							NaN	NaN	NaN	NaN	NaN
Treatment F							NaN	NaN	NaN	NaN	NaN
Treatment Prob(F)							0.0	0.0	0.0	0.0	0.0

Continued

Table 19. Continued

							Jun-5-2025	Jun-12-2025	Jun-19-2025	May-23-2025	Jun-5-2025	Jun-12-2025
							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
							%	%	%	%	%	%
							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
							ECHCG	ECHCG	ECHCG	PASMD	PASMD	PASMD
							14 DA	21 DA	28 DA	14 DA	14 DA	21 DA
							PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
							0	0	0	0	0	0
							7	8	9	10	11	12
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	0	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						96	98	97	0	16	8
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						90	76	83	0	11	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						75	63	75	0	40	18
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						90	92	96	0	5	10
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						86	99	99	0	84	91
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

						Jun-5-2025	Jun-12-2025	Jun-19-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%
Rating Unit											
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						ECHCG	ECHCG	ECHCG	PASMD	PASMD	PASMD
Pest Stage Scale											
Treatment Appl.						14 DA	21 DA	28 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						7	8	9	10	11	12
Trt	Treatment	Rate	Other	Rate	Other	Rate	Rate	Rate	Rate	Rate	Rate
No.	Name	Rate	Unit	Rate	Unit	Appl					
						Timing					
7	No Herbicide						95	85	97	0	78
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	80	66	84	0	85
	No Herbicide										
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	98	99	99	0	93
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	93	94	98	0	93
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	94	89	95	0	96
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	98	99	97	0	96
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	96	98	99	0	97
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	99	85	98	0	98
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					

Continued

Table 19. Continued

Rating Date						Jun-5-2025	Jun-12-2025	Jun-19-2025	May-23-2025	Jun-5-2025	Jun-12-2025	
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit						%	%	%	%	%	%	
Rating												
Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						ECHCG	ECHCG	ECHCG	PASMD	PASMD	PASMD	
Pest Stage Scale												
Treatment Appl.						14 DA	21 DA	28 DA	14 DA	14 DA	21 DA	
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL	
Number of Decimals						0	0	0	0	0	0	
						7	8	9	10	11	12	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	91	79	82	48	74	94
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
LSD P=.05							5.7	13.5	8.2	3.5	11.5	10.2
Standard Deviation							4.0	9.4	5.8	2.5	8.0	7.1
CV							4.66	11.6	6.66	78.07	14.92	11.19
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							2.828	1.243	3.465	1.000	2.067	1.695
Replicate Prob(F)							0.0500	0.3062	0.0245	0.4023	0.1191	0.1826
Treatment F							152.192	29.019	76.159	98.455	66.663	138.676
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date							CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type							%	%	g	%	%	%
Rating Unit												
Rating							0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code							PASMD	PASMD	PASMD	PASAC	PASAC	PASAC
Pest Stage Scale												
Treatment Appl.							28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval							PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals							0	0	0	0	0	0
							13	14	15	16	17	18
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	731	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	682	0	96	94
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						20	14	303	0	10	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						0	0	373	0	89	78
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						20	21	708	0	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						94	90	37	0	63	88
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type						%	%	g	%	%	%
Rating Unit											
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	PASMD	PASMD	PASAC	PASAC	PASAC
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						13	14	15	16	17	18
Trt	Treatment	Rate	Other	Other	Rate	Appl					
No.	Name	Rate	Unit	Rate	Unit	Timing					
7	No Herbicide						95	92	8	0	14
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	98	85	42	0	0
	No Herbicide										
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	96	95	70	0	99
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD					92
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	99	99	0	0	6
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	92	94	45	0	89
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD					70
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	97	97	66	0	8
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD					0
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	99	99	2	0	13
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD					0
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	97	98	10	0	3
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					0
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					

Continued

Table 19. Continued

Rating Date						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Type						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	g	%	%	%
Rating											
Min/Max/Interval						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	PASMD	PASMD	PASAC	PASAC	PASAC
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						13	14	15	16	17	18
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	99	99	11	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST					
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
LSD P=.05						4.6	5.8	167.5	.	5.5	6.5
Standard Deviation						3.2	4.1	117.1	0.0	3.9	4.6
CV						4.83	6.11	59.1	0.0	12.22	15.55
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						0.326	1.836	0.628	NaN	1.995	0.619
Replicate Prob(F)						0.8064	0.1558	0.6011	NaN	0.1294	0.6069
Treatment F						725.343	434.747	21.642	NaN	461.596	315.978
Treatment Prob(F)						0.0001	0.0001	0.0001	NaN	0.0001	0.0001

Continued

Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date							CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type							%	%	G	%	%	%
Rating Unit												
Rating							0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code							PASAC	PASAC	PASAC	LEROR	LEROR	LEROR
Pest Stage Scale								BBCH				
Treatment Appl.							28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval							PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals							0	0	0	0	0	0
							19	20	21	22	23	24
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	813	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						92	87	60	0	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	1219	0	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						86	85	171	0	0	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						0	0	961	0	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						86	88	86	0	0	0
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type						%	%	G	%	%	%
Rating Unit											
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASAC	PASAC	PASAC	LEROR	LEROR	LEROR
Pest Stage Scale							BBCH				
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						19	20	21	22	23	24
Trt	Treatment	Rate	Other	Rate	Other	Rate	Rate	Rate	Rate	Rate	Rate
No.	Name	Rate	Unit	Rate	Unit	Timing					
7	No Herbicide						64	70	674	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	1296	0	34
	No Herbicide										
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	96	96	50	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	6	31	1222	0	51
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	78	76	193	0	5
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	45	1181	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	23	0	1013	0	58
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	5	0	1197	0	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					

Continued

Table 19. Continued

Rating Date						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Type						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	G	%	%	%
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASAC	PASAC	PASAC	LEROR	LEROR	LEROR
Pest Stage Scale							BBCH				
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						19	20	21	22	23	24
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	45	66	1283	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST					
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
LSD P=.05						9.7	8.1	331.5	.	9.2	9.8
Standard Deviation						6.8	5.6	232.1	0.0	6.4	6.9
CV						17.64	12.93	30.44	0.0	107.28	69.66
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						1.674	0.303	2.091	NaN	0.483	1.362
Replicate Prob(F)						0.1871	0.8230	0.1163	NaN	0.6960	0.2676
Treatment F						139.570	193.725	18.997	NaN	24.552	34.380
Treatment Prob(F)						0.0001	0.0001	0.0001	NaN	0.0001	0.0001

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Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date							CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type							%	%	G	%	%	%
Rating Unit												
Rating							0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code							LEROR	LEROR	LEROR	LUZFL	LUZFL	LUZFL
Pest Stage Scale												
Treatment Appl.							28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval							PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals							0	0	0	0	0	0
							25	26	27	28	29	30
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	378	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	390	0	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	389	0	0	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						0	0	493	0	0	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						0	0	560	0	0	0
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						0	0	431	0	48	61
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

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Table 19. Continued

						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025	
						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL	
						%	%	G	%	%	%	
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						LEROR	LEROR	LEROR	LUZFL	LUZFL	LUZFL	
Pest Stage Scale												
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA	
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL	
Number of Decimals						0	0	0	0	0	0	
						25	26	27	28	29	30	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	No Herbicide						0	0	335	0	20	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	360	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	546	0	0	0
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	190	0	3	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	266	0	0	0
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	330	0	71	43
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	50	36	164	0	66	44
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	369	0	25	0
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

Rating Date						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Type						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	G	%	%	%
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LEROR	LEROR	LEROR	LUZFL	LUZFL	LUZFL
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						25	26	27	28	29	30
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	0	0	340	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST					
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
	LSD P=.05						10.5	9.4	269.6	.	5.2
	Standard Deviation						7.4	6.6	188.6	0.0	3.6
	CV						221.36	273.7	51.93	0.0	23.54
	Analyzed as						RCB	RCB	RCB	RCB	RCB
	Replicate F						1.000	1.000	0.925	NaN	0.709
	Replicate Prob(F)						0.4023	0.4023	0.4376	NaN	0.5518
	Treatment F						12.245	8.010	1.291	NaN	196.350
	Treatment Prob(F)						0.0001	0.0001	0.2554	NaN	0.0001

Continued

Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date							CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type							%	%	G	%	%	%
Rating Unit												
Rating							0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code							LUZFL	LUZFL	LUZFL	ECHPO	ECHPO	ECHPO
Pest Stage Scale												
Treatment Appl.							28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval							PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals							0	0	0	0	0	0
							31	32	33	34	35	36
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	625	0	0	0
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						0	0	443	0	99	98
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	412	0	13	0
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						0	0	782	0	87	84
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						0	0	654	0	88	97
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						19	0	77	0	59	50
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Date						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Type						%	%	G	%	%	%
Rating Unit											
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LUZFL	LUZFL	LUZFL	ECHPO	ECHPO	ECHPO
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						31	32	33	34	35	36
Trt	Treatment	Rate	Other	Rate	Other	Rate	Rate	Rate	Rate	Rate	Rate
No.	Name	Rate	Unit	Rate	Unit	Appl					
						Timing					
7	No Herbicide						0	0	410	0	38
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	546	0	96
	No Herbicide										
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	527	0	97
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	388	0	97
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	1214	0	96
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	39	20	312	0	96
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	30	0	192	0	94
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	0	0	372	0	96
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					

Continued

Table 19. Continued

Rating Date						Jun-19-2025	Jun-30-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025
Rating Type						CONTROL	CONTROL	BIOMASS	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	G	%	%	%
Rating						0, 100, -	0, 100, -		0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LUZFL	LUZFL	LUZFL	ECHPO	ECHPO	ECHPO
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	14 DA	14 DA	21 DA
Interval						PREFL	PREFL	PREFL	EPOST	PREFL	PREFL
Number of Decimals						0	0	0	0	0	0
						31	32	33	34	35	36
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	0	0	549	15	89
	COC	1	% v/v	19.2	fl oz/a	EPOST				46	
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
	LSD P=.05						3.8	1.5	610.2	1.5	11.0
	Standard Deviation						2.7	1.1	427.0	1.1	7.7
	CV						45.5	79.06	83.08	105.41	10.31
	Analyzed as						RCB	RCB	RCB	RCB	RCB
	Replicate F						1.972	1.000	1.535	1.000	1.717
	Replicate Prob(F)						0.1328	0.4023	0.2202	0.4023	0.1780
	Treatment F						90.972	96.000	1.423	54.000	83.992
	Treatment Prob(F)						0.0001	0.0001	0.1877	0.0001	0.0001

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Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025
Rating Date							CONTROL	CONTROL	BIOMASS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	G	CM	CM	CM
Rating Unit												
Rating							0, 100, -	0, 100, -				
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed			
Pest Code							ECHPO	ECHPO	ECHPO	RICE	RICE	RICE
Pest Stage Scale												
Treatment Appl.							28 DA	42 DA	42 DA	AT	AT	AT
Interval							PREFL	PREFL	PREFL	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0
							37	38	39	40	41	42
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						0	0	663	95	97	95
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						98	99	0	94	96	97
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						0	0	777	96	97	97
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						96	93	32	93	94	96
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						86	81	134	93	97	96
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						43	68	181	93	95	96
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

							Jun-19-2025	Jun-30-2025	Jun-30-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025
Rating Date							CONTROL	CONTROL	BIOMASS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	G	CM	CM	CM
Rating Unit												
Rating							0, 100, -	0, 100, -				
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed			
Pest Code							ECHPO	ECHPO	ECHPO	RICE	RICE	RICE
Pest Stage Scale												
Treatment Appl.							28 DA	42 DA	42 DA	AT	AT	AT
Interval							PREFL	PREFL	PREFL	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0
							37	38	39	40	41	42
Trt	Treatment	Rate	Other	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	No Herbicide						45	70	244	98	95	98
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	90	33	65	95	94	96
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	99	99	0	95	95	93
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	86	91	62	94	96	98
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	97	96	0	90	96	96
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	97	95	19	94	96	95
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	93	92	8	98	96	96
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	95	81	28	92	93	95
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

Rating Date						Jun-19-2025	Jun-30-2025	Jun-30-2025	Aug-11-2025	Aug-11-2025	Aug-11-2025
Rating Type						CONTROL	CONTROL	BIOMASS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Unit						%	%	G	CM	CM	CM
Rating						0, 100, -	0, 100, -				
Min/Max/Interval											
Pest Type						W, Weed	W, Weed	W, Weed			
Pest Code						ECHPO	ECHPO	ECHPO	RICE	RICE	RICE
Pest Stage Scale											
Treatment Appl.						28 DA	42 DA	42 DA	AT	AT	AT
Interval						PREFL	PREFL	PREFL	HARVEST	HARVEST	HARVEST
Number of Decimals						0	0	0	0	0	0
						37	38	39	40	41	42
Trt	Treatment	Rate	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing					
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	88	90	3	93	95
	COC	1	% v/v	19.2	fl oz/a	EPOST					96
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD					
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD					
LSD P=.05							11.8	15.2	201.2	5.7	5.2
Standard Deviation							8.3	10.6	141.0	4.0	3.7
CV							11.16	14.69	95.52	4.28	3.81
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							1.195	0.775	2.731	17.331	1.721
Replicate Prob(F)							0.3232	0.5147	0.0558	0.0001	0.1773
Treatment F							71.084	40.828	12.028	1.079	0.420
Treatment Prob(F)							0.0001	0.0001	0.0001	0.4022	0.9595

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Table 19. Continued

							Aug-11-2025	Aug-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD
Rating Unit							CM	CM	LB/PLOT	%	LB/A	BU/A
Rating										0, 100, -		
Min/Max/Interval												
Pest Type							RICE	RICE	RICE	RICE	RICE	RICE
Pest Code												
Pest Stage Scale							AT	AT	AT	AT	AT	AT
Treatment Appl.							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Interval							0	0	2	1	0	0
Number of Decimals							43	44	45	46	47	48
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No Herbicide						95	95	9.44	17.7	6788	151
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
2	No Herbicide						97	96	11.18	17.7	8048	179
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
3	No Herbicide						93	96	10.99	17.8	7892	175
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
4	No Herbicide						98	95	10.70	17.2	7741	172
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
5	No Herbicide						96	95	11.29	16.5	8240	183
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
6	No Herbicide						97	95	11.35	17.5	8186	182
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

Continued

Table 19. Continued

Rating Date						Aug-11-2025	Aug-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	
Rating Type						HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	
Rating Unit						CM	CM	LB/PLOT	%	LB/A	BU/A	
Rating									0, 100, -			
Min/Max/Interval												
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Pest Stage Scale												
Treatment Appl.						AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	
						43	44	45	46	47	48	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	No Herbicide						97	97	11.45	17.1	8291	184
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	97	95	11.82	17.0	8572	190
	No Herbicide											
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	95	95	10.70	16.7	7798	173
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	98	96	11.35	17.1	8225	183
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	93	94	10.28	16.2	7536	167
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	98	96	11.23	16.5	8195	182
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	96	97	10.59	16.3	7754	172
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	96	94	10.92	17.0	7923	176
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						

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Table 19. Continued

Rating Date						Aug-11-2025	Aug-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	
Rating Type						HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	
Rating Unit						CM	CM	LB/PLOT	%	LB/A	BU/A	
Rating									0, 100, -			
Min/Max/Interval												
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Pest Stage Scale												
Treatment Appl.						AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	2	1	0	0	
						43	44	45	46	47	48	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	99	96	9.92	15.6	7316	163
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD						
LSD P=.05						5.9	3.9	1.147	0.76	830.5	18.5	
Standard Deviation						4.1	2.7	0.804	0.53	582.0	12.9	
CV						4.29	2.85	7.39	3.14	7.37	7.37	
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	
Replicate F						1.256	8.744	6.626	1.072	6.815	6.815	
Replicate Prob(F)						0.3017	0.0001	0.0009	0.3711	0.0008	0.0008	
Treatment F						0.587	0.419	2.458	5.631	2.349	2.349	
Treatment Prob(F)						0.8596	0.9601	0.0124	0.0001	0.0166	0.0166	

Continued

Table 19. Continued

Rating Date							Aug-12-2025
Rating Type							YIELD
Rating Unit							KG
Rating Min/Max/Interval							
Pest Type							
Pest Code							RICE
Pest Stage Scale							
Treatment Appl. Interval							AT HARVEST
Number of Decimals							0
							49
Trt	Treatment	Rate		Other	Other	Appl	
No.	Name	Rate	Unit	Rate	Unit	Timing	
1	No Herbicide						7609
	No Herbicide						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
2	No Herbicide						9021
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
3	No Herbicide						8845
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
4	No Herbicide						8677
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
5	No Herbicide						9235
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
6	No Herbicide						9175
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	

Continued

Table 19. Continued

	Rating Date						Aug-12-2025
	Rating Type						YIELD
	Rating Unit						KG
	Rating Min/Max/Interval						
	Pest Type						
	Pest Code						RICE
	Pest Stage Scale						
	Treatment Appl. Interval						AT HARVEST
	Number of Decimals						0
					Other		49
Trt	Treatment		Rate	Other	Rate	Appl	
No.	Name	Rate	Unit	Rate	Unit	Timing	
7	No Herbicide						9293
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
8	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	9608
	No Herbicide						
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
9	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	8740
	Loyant	0.026	lb ai/a	16	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
10	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	9219
	Facet	0.375	lb ai/a	32	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
11	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	8446
	Grasp	0.036	lb ai/a	2.3	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
12	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	9185
	Regiment	0.03	lb ai/a	0.60	oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
13	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	8691
	Clincher	0.28	lb ai/a	15	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
14	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	8881
	Ricestar	0.109	lb ai/a	24	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	

Continued

Table 19. Continued

Rating Date							Aug-12-2025
Rating Type							YIELD
Rating Unit							KG
Rating Min/Max/Interval							
Pest Type							
Pest Code							RICE
Pest Stage Scale							
Treatment Appl. Interval							AT HARVEST
Number of Decimals							0
							49
Trt	Treatment	Rate	Other	Rate	Appl		
No.	Name	Rate	Unit	Rate	Unit	Timing	
15	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST	8200
	COC	1	% v/v	19.2	fl oz/a	EPOST	
	BEYOND	0.094	lb ai/a	6	fl oz/a	PREFLOOD	
	COC	1	% v/v	19.2	fl oz/a	PREFLOOD	
LSD P=.05							930.9
Standard Deviation							652.3
CV							7.37
Analyzed as							RCB
Replicate F							6.815
Replicate Prob(F)							0.0008
Treatment F							2.349
Treatment Prob(F)							0.0166
<u>Rating Type</u>		<u>Rating Unit</u>	<u>Pest Type</u>	<u>Pest Code</u>			
Yield = yield		%, 0, 100, = percent	W, Weed = Weed or volunteer crop	PASMD, Paspalum modestum, Paspalum modestum = US			
		g, , , = gram		PASAC, Paspalum acuminatum, Paspalum acuminatum = US			
		cm, , , = centimeter		LUZFL, Luziola fluitans, Southern watergrass = US			
		LB/PLOT, , , = pounds per plot		LEROR, Leersia oryzoides, ricegrass = US			
		KG/HA, , , = kilograms per hectare		ECHPO, Echinochloa polystachya, creeping rivergrass = US			
				ECHCG, Echinochloa crus-galli, common barnyardgrass = US			

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Provisia Herbicide Programs for Perennial Grass Control

Experiment number : **C25-61**
Location..... : RRS-Crowley, LA
Experimental design : RCB
Number of reps..... : 4
Plot size : 5'x17'
Row width/# per plot..... : 7"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH : 6.4
CEC : 19.1
Crop/Variety : PVL03 @ 100 LB/A (WATERSEEDED)
Planting date : 4/17/2025
Emergence date..... : 4/22/2025
Harvest date..... : 8/12/2025
Uniform Stand Treatment..... : Gambit 1.5oz/A on 5/14

Application type	EPOST	LPOST	POSTFLOOD
Date applied [mm/dd/yy]	5/12/25	5/22/25	6/4/25
Time [hh:mm-mm:hh:mm]	12:08-12:15p	7:02-7:05p	12:41-1:05p
Air/Soil temperature [F]	69/60	83/73	85/80
Relative humidity [%]	73%	76%	75%
Wind [mph, direction]	6-8, W	4-6, SSE	5-7, SSE
Weather [sunny, etc].....	Ptly Cloudy	Sunny	Sunny
Soil/Leaf surface moist.....	Moist/dry	Dry/dry	Wet/dry
Crop stage/Height.....	5lf-1til/6-8"	1-2til/8-10"	3-4til/18-24"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	26/5/15	28/5/15	32/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	GRS	GRS	MTB

Weed Species (population)..... :- (height/#leaves) –

PASAC (5m ²)	8-10"/8-10lf	4-5"/4-5lf	NA
ECHPO (5m ²)	10-12"/10-12lf	10-15"/10-12lf	NA
LUZFL (6x6m ²).....	2-4"/40-60lf	2-4"/50-100lf	NA
PASFL (5m ²)	8-10"/8-10lf	6-10"/8-10lf	NA
LEROR (4x4m ²).....	10-12"/10-12lf	6-10"/20-30lf	NA

Flush Dates : 4/21/2025
Permanent Flood..... : 5/23/2025

***AMFF – Air mix flat fan nozzles**

Table 20. Provisia Herbicide Program for Perennial Grass Control

						May-23-2025	Jun-5-2025	Jun-12-2025	Jun-18-2025	Jun-30-2025	May-23-2025	Jun-5-2025
Rating Date						INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type											W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	RICE	RICE	ECHCG	ECHCG
Treatment Appl.						14	14	21	14	21	14	14
Interval						DAEPOST	DALPOST	DALPOST	DAPOFL	DAPOFL	DAEPOST	DALPOST
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	0	0	0	0	99	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	0	0	0	0	99	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	0	0	0	0	99	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	0	0	0	0	99	98
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	0	0	0	0	99	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05							.	.	.	.	.	1.3
Standard Deviation							0.0	0.0	0.0	0.0	0.0	0.9
CV							0.0	0.0	0.0	0.0	0.0	1.04
Replicate F							NaN	NaN	NaN	NaN	NaN	0.817
Replicate Prob(F)							NaN	NaN	NaN	NaN	NaN	0.5041
Treatment F							NaN	NaN	NaN	NaN	NaN	8899.586
Treatment Prob(F)							NaN	NaN	NaN	NaN	NaN	0.0001

Continued

Table 20. Continued

						Jun-12-2025	Jun-18-2025	May-23-2025	Jun-5-2025	Jun-12-2025	Jun-18-2025	Jun-30-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						ECHCG	ECHCG	PASAC	PASAC	PASAC	PASAC	PASAC
Treatment Appl.						21	14	14	14	21	14	21
Interval						DALPOST	DAPOFL	DAEPOST	DALPOST	DALPOST	DAPOFL	DAPOFL
						8	9	10	11	12	13	14
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	96	99	0	0	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	99	99	0	81	69	81
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	99	99	0	88	84	84
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	98	99	5	0	0	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	99	99	5	88	80	88
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05						4.6	.	3.4	6.6	6.9	7.7	8.0
Standard Deviation						3.0	0.0	2.2	4.4	4.6	5.1	5.3
CV						3.7	0.0	134.16	10.31	11.86	13.83	12.04
Replicate F						0.796	NaN	1.667	1.344	0.329	0.337	0.252
Replicate Prob(F)						0.5151	NaN	0.2166	0.2976	0.8045	0.7988	0.8588
Treatment F						702.405	NaN	5.333	452.957	346.026	263.373	291.421
Treatment Prob(F)						0.0001	NaN	0.0052	0.0001	0.0001	0.0001	0.0001

Continued

Table 20. Continued

						May-23-2025	Jun-5-2025	Jun-12-2025	Jun-18-2025	Jun-30-2025	May-23-2025	Jun-5-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						ECHPO	ECHPO	ECHPO	ECHPO	ECHPO	LUZFL	LUZFL
Treatment Appl.						14	14	21	14	21	14	14
Interval						DAEPOST	DALPOST	DALPOST	DAPOFL	DAPOFL	DAEPOST	DALPOST
						15	16	17	18	19	20	21
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	66	90	84	92	0	26
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	65	91	97	96	94	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	59	94	96	97	96	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	79	97	98	86	71	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	76	97	96	97	95	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05							7.9	9.7	9.5	7.4	7.6	7.4
Standard Deviation							5.3	6.4	6.3	4.9	5.0	4.9
CV							9.17	8.23	8.08	6.36	8.56	10.15
Replicate F							0.100	1.298	0.156	1.530	1.542	NaN
Replicate Prob(F)							0.9588	0.3116	0.9239	0.2504	0.2474	NaN
Treatment F							122.220	142.621	149.794	242.416	344.750	NaN
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	NaN

Continued

Table 20. Continued

						Jun-12-2025	Jun-18-2025	Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025	Jun-18-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						LUZFL	LUZFL	LUZFL	PASMD	PASMD	PASMD	PASMD
Treatment Appl.						21	14	21	14	14	21	14
Interval						DALPOST	DAPOFL	DAPOFL	DAEPOST	DALPOST	DALPOST	DAPOFL
						22	23	24	25	26	27	28
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0	0	0	0	0	0
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	0	0	1	63	87	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	49	54	52	55	93	98
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	69	76	45	61	99	98
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	0	3	0	63	98	99
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	74	80	71	58	99	98
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05						5.4	18.4	23.1	9.8	12.5	2.1	5.9
Standard Deviation						3.6	12.1	15.2	6.5	8.3	1.4	3.9
CV						11.31	33.22	51.95	13.13	10.46	1.73	4.9
Replicate F						1.578	1.798	0.545	7.439	0.675	1.430	1.195
Replicate Prob(F)						0.2363	0.1938	0.6597	0.0028	0.5809	0.2759	0.3475
Treatment F						397.107	40.374	16.870	56.571	89.028	3249.422	405.947
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 20. Continued

						Jun-30-2025	May-23-2025	Jun-5-2025	Jun-12-2025	Jun-18-2025	Jun-30-2025	Jun-30-2025
Rating Date						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	BIOMASS
Rating Type						%	%	%	%	%	%	
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						PASMD	LEROR	LEROR	LEROR	LEROR	LEROR	LEROR
Treatment Appl.						21	14	14	21	14	21	21
Interval						DAPOFL	DAEPOST	DALPOST	DALPOST	DAPOFL	DAPOFL	DAPOFL
						29	30	31	32	33	34	35
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						0.0	0	0	0	0	249
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	89.8	20	66	29	0	79
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	98.0	9	93	95	99	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	99.0	6	85	97	99	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	96.8	8	66	81	58	68
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	99.0	18	98	99	99	0
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05							8.29	15.5	15.0	21.4	23.8	66.7
Standard Deviation							5.50	10.3	10.0	14.2	15.8	44.3
CV							6.84	102.6	14.66	21.24	26.74	67.18
Replicate F							1.651	1.451	2.710	1.708	1.062	0.932
Replicate Prob(F)							0.2199	0.2676	0.0821	0.2082	0.3945	0.4493
Treatment F							206.863	2.113	51.685	35.154	37.684	19.015
Treatment Prob(F)							0.0001	0.1201	0.0001	0.0001	0.0001	0.0001

Continued

Table 20. Continued

Table 20. Continued						Jun-30-2025	Jun-30-2025	Jun-30-2025	Jun-30-2025	Jul-11-2025	Jul-11-2025	Jul-11-2025
Rating Date						BIOMASS	BIOMASS	BIOMASS	BIOMASS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type										CM	CM	CM
Rating Unit												
Rating												
Min/Max/Interval												
Pest Type						W, Weed	W, Weed	W, Weed	W, Weed			
Pest Code						ECHPO	PASAC	PASMD	LUZFL	RICE	RICE	RICE
Treatment Appl.						21	21	21	21	AT	AT	AT
Interval						DAPOFL	DAPOFL	DAPOFL	DAPOFL	HARVEST	HARVEST	HARVEST
						36	37	38	39	40	41	42
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						336	778	504	306	100	100
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	68	1200	46	192	106	107
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	37	155	5	57	108	111
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	1	99	0	29	110	106
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	110	1002	47	319	108	109
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	8	123	0	14	108	108
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05						83.1	446.5	322.3	92.8	7.5	5.7	4.6
Standard Deviation						55.1	296.2	212.5	61.6	5.0	3.8	3.0
CV						59.2	52.94	215.44	40.38	4.7	3.53	2.84
Replicate F						0.462	0.534	1.185	3.153	0.405	2.219	1.452
Replicate Prob(F)						0.7131	0.6663	0.3512	0.0560	0.7514	0.1281	0.2674
Treatment F						20.755	11.126	3.546	20.302	1.754	1.676	6.853
Treatment Prob(F)						0.0001	0.0001	0.0279	0.0001	0.1831	0.2011	0.0016

Continued

Table 20. Continued

Rating Date							Jul-11-2025	Jul-11-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Type							HEIGHTS	AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD
Rating Unit							CM	CM	LB/PLOT	%	LB/A	BU/A
Rating										0, 100, -		
Min/Max/Interval												
Pest Type												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	AT	AT	AT
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
							43	44	45	46	47	48
Trt	Treatment	Rate	Other	Rate	Other	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	Nontreated						103	102	8.31	16.9	6169	137
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	108	106	11.10	18.1	8127	181
	COC	1	% v/v	19.2	fl oz/a	EPOST						
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	107	108	10.50	17.6	7730	172
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	108	108	10.50	17.7	7724	172
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD						
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD						
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	110	109	10.83	15.4	8213	183
	COC	1	% v/v	19.2	fl oz/a	EPOST						
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	107	108	10.99	17.2	8135	181
	COC	1	% v/v	19.2	fl oz/a	EPOST						
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST						
	COC	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05							5.5	3.8	1.020	2.73	885.6	19.7
Standard Deviation							3.7	2.5	0.677	1.81	587.6	13.1
CV							3.42	2.36	6.53	10.57	7.65	7.65
Replicate F							2.052	1.551	2.292	1.023	2.469	2.469
Replicate Prob(F)							0.1498	0.2426	0.1198	0.4105	0.1019	0.1019
Treatment F							1.745	4.737	9.448	1.101	6.902	6.902
Treatment Prob(F)							0.1852	0.0085	0.0003	0.4003	0.0016	0.0016

Continued

Table 20. Continued

Rating Date							Aug-12-2025
Rating Type							YIELD
Rating Unit							KG/HA
Rating Min/Max/Interval							
Pest Type							RICE
Pest Code							AT HARVEST
Treatment Appl. Interval							49
Trt	Treatment	Rate		Other	Other	Appl	
No.	Name	Rate	Unit	Rate	Unit	Timing	
1	Nontreated						6915
2	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	9109
	COC	1	% v/v	19.2	fl oz/a	EPOST	
3	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	8665
	COC	1	% v/v	19.2	fl oz/a	EPOST	
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST	
	COC	1	% v/v	19.2	fl oz/a	LPOST	
4	Provisia	0.069	lb ai/a	10	fl oz/a	EPOST	8658
	COC	1	% v/v	19.2	fl oz/a	EPOST	
	Provisia	0.069	lb ai/a	10	fl oz/a	LPOST	
	COC	1	% v/v	19.2	fl oz/a	LPOST	
	Provisia	0.069	lb ai/a	10	fl oz/a	POSTFLOOD	
	COC	1	% v/v	19.2	fl oz/a	POSTFLOOD	
5	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	9206
	COC	1	% v/v	19.2	fl oz/a	EPOST	
6	Provisia	0.107	lb ai/a	15.5	fl oz/a	EPOST	9118
	COC	1	% v/v	19.2	fl oz/a	EPOST	
	Provisia	0.107	lb ai/a	15.5	fl oz/a	LPOST	
	COC	1	% v/v	19.2	fl oz/a	LPOST	
LSD P=.05							992.6
Standard Deviation							658.6
CV							7.65
Replicate F							2.469
Replicate Prob(F)							0.1019
Treatment F							6.902
Treatment Prob(F)							0.0016

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Single TVE Application Programs to Utilize the Keenali Complete Co-Pack

Experiment number : **C25-62**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 3
 Plot size : 10'x30'
 Row width/# per plot : 7"/16
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 70 lb/A
 Planting date : 4/14/2025
 Emergence date : 4/19/2025
 Harvest date : 8/14/2025
 Uniform Stand Treatment : Permit @ 1 oz/A 5/6/2025

Application type	PRE	LPOST
Date applied [mm/dd/yy]	4/17	5/23
Time [hh:mm-hh:mm]	11:09-11:32a	11:58-12:20p
Air/Soil temperature [F]	78/73	84/74
Relative humidity [%]	80%	78%
Wind [mph, direction]	8-10, SE	4-6, SSE
Weather [sunny, etc]	partly cloudy	Sunny
Soil/Leaf surface moist	dry/NA	Dry/dry
Crop stage/Height	NA	1-2til/8-12"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/11001	FF/11001
Boom ht/# Noz/Spacing	20/7/20	20/7/20
GPA/PSI	10/33	10/33
Applied by	DJZ/CB	SBS/MTB

Weed Species (population) :----- (height/#leaves) -----
 ECHCG (30-40m²) : NA 5-7"/5lf-2til
 BRAPP (15-20m²) : NA 5-7"/4lf-1til

Flush Dates : 4/17/2025
 Permanent Flood : 5/27/2025

***AMFF – Air mix flat fan nozzles**

Table 21. Single TVE Application Programs to Utilize Keenali Complete Co-Pack

Table 27: Single TVE Application Programs to Control Ricehopper Complete Co Pack							May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date							INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type							%	%	%	%	%	%	%
Rating Unit													
Rating							0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval													
Pest Type										W, Weed	W, Weed	W, Weed	W, Weed
Pest Code							RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
Treatment Appl.							21	35	14	21	35	14	21
Interval							DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
Number of Decimals							0	0	0	0	0	0	0
							1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	NONTREATED						0	0	0	0	0	0	0
2	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	97	91	99	95
	PROPANIL	3	qt/a	3	lb ai/a	LPOST							
3	COMMAND	4	oz/a	0.094	lb ai/a	PRE	0	0	0	43	10	13	27
	PROPANIL	3	qt/a	3	lb ai/a	LPOST							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST							
4	COMMAND	6	oz/a	0.14	lb ai/a	PRE	0	0	0	52	17	15	27
	PROPANIL	3	qt/a	3	lb ai/a	LPOST							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST							
5	COMAND	8	oz/a	0.188	lb ai/a	PRE	0	0	0	73	72	43	57
	PROPANIL	3	qt/a	3	lb ai/a	LPOST							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST							
6	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	97	93	99	98
	COMMAND	4	oz/a	0.094	lb ai/a	PRE							
	PROPANIL	3	qt/a	3	lb ai/a	LPOST							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST							

Continued

Table 21. Continued

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
						%	%	%	%	%	%	%
						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
									W, Weed	W, Weed	W, Weed	W, Weed
						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
						21	35	14	21	35	14	21
						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
Trt	Treatment	Rate	Other	Rate	Appl	1	2	3	4	5	6	7
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	95	91	99
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						98
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
8	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	97	88	99
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						98
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
9	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	97	87	99
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						90
	MSO	0.5	% v/v	0.418	lb ai/a							
10	COMMAND	4	oz/a	0.094	lb ai/a	PRE	0	0	0	43	32	67
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						40
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						
11	COMMAND	6	oz/a	0.14	lb ai/a	PRE	0	0	0	47	30	72
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						35
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
12	COMMAND	8	oz/a	0.188	lb ai/a	PRE	0	0	0	75	55	72
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						75
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
13	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	98	98	99
	COMMAND	4	oz/a	0.094	lb ai/a	PRE						98
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						

Continued

Table 21. Continued

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
						%	%	%	%	%	%	%
						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
									W, Weed	W, Weed	W, Weed	W, Weed
						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
						21	35	14	21	35	14	21
						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
14	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	97	83	99
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						95
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
15	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	0	0	0	95	91	99
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						95
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
LSD P=.05						.	.	.	11.8	15.1	8.2	11.0
Standard Deviation						0.0	0.0	0.0	7.1	9.1	4.9	6.6
CV						0.0	0.0	0.0	9.57	14.5	6.89	9.57
Replicate F						NaN	NaN	NaN	1.533	0.678	0.224	1.873
Replicate Prob(F)						NaN	NaN	NaN	0.2335	0.5155	0.8006	0.1724
Treatment F						NaN	NaN	NaN	54.722	44.895	163.274	81.718
Treatment Prob(F)						NaN	NaN	NaN	0.0001	0.0001	0.0001	0.0001

Continued

Table 21. Continued

Table 27: Continued							May-23-2025	Jun-5-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025
Rating Date							CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	CM	CM	CM	CM
Rating Unit							0, 100, -	0, 100, -				
Rating Min/Max/Interval							W, Weed	W, Weed				
Pest Type							BRAPP	BRAPP	RICE	RICE	RICE	RICE
Pest Code							35	14	AT	AT	AT	AT
Treatment Appl. Interval							DA PRE	DA LPOST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0
							8	9	10	11	12	13
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	NONTREATED						0	0	91	91	87	83
2	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	91	99	113	113	119	115
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
3	COMMAND	4	oz/a	0.094	lb ai/a	PRE	7	95	100	102	103	100
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						
4	COMMAND	6	oz/a	0.14	lb ai/a	PRE	7	95	100	97	96	102
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
5	COMAND	8	oz/a	0.188	lb ai/a	PRE	53	88	107	104	109	111
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
6	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	90	99	115	115	115	111
	COMMAND	4	oz/a	0.094	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						

Continued

Table 21. Continued

Table 27: Continued						May-23-2025	Jun-5-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	
Rating Date						CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type						%	%	CM	CM	CM	CM	
Rating Unit												
Rating						0, 100, -	0, 100, -					
Min/Max/Interval												
Pest Type						W, Weed	W, Weed					
Pest Code						BRAPP	BRAPP	RICE	RICE	RICE	RICE	
Treatment Appl.						35	14	AT	AT	AT	AT	
Interval						DA PRE	DA LPOST	HARVEST	HARVEST	HARVEST	HARVEST	
						8	9	10	11	12	13	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	88	99	113	114	110	113
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
8	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	88	99	111	111	113	111
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
9	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	82	99	112	110	109	80
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
10	COMMAND	4	oz/a	0.094	lb ai/a	PRE	13	91	107	106	105	105
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						
11	COMMAND	6	oz/a	0.14	lb ai/a	PRE	13	95	109	109	113	109
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
12	COMMAND	8	oz/a	0.188	lb ai/a	PRE	30	91	113	114	112	109
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
13	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	93	99	111	110	110	111
	COMMAND	4	oz/a	0.094	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						

Continued

Table 21. Continued

Table 217 Continued						May-23-2025	Jun-5-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	Aug-12-2025	
Rating Date						CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type						%	%	CM	CM	CM	CM	
Rating Unit												
Rating						0, 100, -	0, 100, -					
Min/Max/Interval												
Pest Type						W, Weed	W, Weed					
Pest Code						BRAPP	BRAPP	RICE	RICE	RICE	RICE	
Treatment Appl.						35	14	AT	AT	AT	AT	
Interval						DA PRE	DA LPOST	HARVEST	HARVEST	HARVEST	HARVEST	
						8	9	10	11	12	13	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
14	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	90	99	112	112	110	109
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
15	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	85	99	114	112	115	114
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
LSD P=.05						10.3	7.3	10.7	10.0	9.6	26.4	
Standard Deviation						6.2	4.4	6.4	6.0	5.7	15.8	
CV						11.13	4.9	5.92	5.53	5.28	14.96	
Replicate F						4.467	1.638	0.443	1.116	0.578	0.405	
Replicate Prob(F)						0.0207	0.2125	0.6467	0.3417	0.5675	0.6707	
Treatment F						117.377	97.771	3.327	4.124	6.153	1.344	
Treatment Prob(F)						0.0001	0.0001	0.0033	0.0007	0.0001	0.2446	

Continued

Table 21. Continued

							Aug-12-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025
							AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD
							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
							0, 100, -					
							RICE	RICE	RICE	RICE	RICE	RICE
							AT	AT	AT	AT	AT	AT
							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
							0	2	1	0	0	0
							14	15	16	17	18	19
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	NONTREATED						88	4.05	11.8	1298	29	1455
2	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	115	21.48	11.3	6884	153	7716
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
3	COMMAND	4	oz/a	0.094	lb ai/a	PRE	101	13.83	9.7	4503	100	5047
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						
4	COMMAND	6	oz/a	0.14	lb ai/a	PRE	99	12.12	10.5	3909	87	4381
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
5	COMAND	8	oz/a	0.188	lb ai/a	PRE	108	14.66	9.2	4791	106	5370
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
6	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	114	21.62	11.3	6919	154	7755
	COMMAND	4	oz/a	0.094	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						

Continued

Table 21. Continued

							Aug-12-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025
Rating Date							AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD
Rating Type							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Unit												
Rating									0, 100, -			
Min/Max/Interval												
Pest Type												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	AT	AT	AT
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Trt	Treatment	Rate	Other	Rate	Appl		14	15	16	17	18	19
No.	Name	Rate	Unit	Rate	Unit	Timing						
7	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	112	22.40	10.4	7249	161	8125
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
8	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	111	22.34	12.3	7085	157	7942
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						
	PROPANIL	3	qt/a	3	lb ai/a	LPOST						
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
9	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	103	23.06	9.9	7503	167	8410
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
10	COMMAND	4	oz/a	0.094	lb ai/a	PRE	106	17.69	11.7	5636	125	6317
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						
11	COMMAND	6	oz/a	0.14	lb ai/a	PRE	110	18.93	13.3	5919	132	6635
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
12	COMMAND	8	oz/a	0.188	lb ai/a	PRE	112	20.73	12.8	6520	145	7308
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
13	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	111	18.81	12.7	5919	132	6634
	COMMAND	4	oz/a	0.094	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	6.75	oz/a	0.158	lb ai/a	LPOST						

Continued

Table 21. Continued

Table 27: Continued						Aug-12-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	Aug-14-2025	
Rating Date						AVG HEIGHTS	YIELD	MOI CON	YIELD	YIELD	YIELD	
Rating Type						CM	LB/PLOT	%	LB/A	BU/A	KG/HA	
Rating Unit												
Rating												
Min/Max/Interval								0, 100, -				
Pest Type												
Pest Code						RICE	RICE	RICE	RICE	RICE	RICE	
Treatment Appl.						AT	AT	AT	AT	AT	AT	
Interval						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
						14	15	16	17	18	19	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
14	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	111	20.80	12.6	6560	146	7353
	COMMAND	6	oz/a	0.14	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	4.75	oz/a	0.111	lb ai/a	LPOST						
15	TVE29	4.3	oz/a	0.112	lb ai/a	PRE	114	20.82	12.5	6563	146	7356
	COMMAND	8	oz/a	0.188	lb ai/a	PRE						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	LPOST						
	MSO	0.5	% v/v	0.418	lb ai/a							
	COMMAND	2.75	oz/a	0.0645	lb ai/a	LPOST						
LSD P=.05						10.3	3.860	2.54	1261.2	28.0	1413.6	
Standard Deviation						6.2	2.308	1.52	754.0	16.8	845.2	
CV						5.74	12.67	13.26	12.96	12.96	12.96	
Replicate F						0.370	3.911	6.216	5.182	5.182	5.182	
Replicate Prob(F)						0.6942	0.0318	0.0058	0.0122	0.0122	0.0122	
Treatment F						4.258	14.914	2.120	14.079	14.079	14.079	
Treatment Prob(F)						0.0005	0.0001	0.0440	0.0001	0.0001	0.0001	
<u>Rating Type</u>		<u>Rating Unit</u>		<u>Pest Type</u>		<u>Pest Code</u>						
Yield = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US						
		cm, , , = centimeter				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US						
		LB/PLOT, , , = pounds per plot										
		KG/HA, , , = kilograms per hectare										

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School of Plant, Environmental and Soil Sciences

Split TVE Application Programs to Utilize the Keenali Complete Co-Pack

Experiment number : **C25-63**
 Location..... : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps..... : 4
 Plot size : 5'x17'
 Row width/# per plot..... : 7"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03
 Planting date : 4/15
 Emergence date..... : 4/20/2025
 Harvest date : 8/16/2025
 Uniform Stand Treatment..... : Permit 1oz/A on nontreated plots on 5/14/2025

Application type	PRE	EPOST	PREFLOOD
Date applied [mm/dd/yy]	4/16/25	5/5/25	5/22
Time [hh:mm-mm:mm]	2:37-2:52p	5:54-6:10p	7:28-7:45p
Air/Soil temperature [F]	78/80	77/71	83/73
Relative humidity [%]	27%	49%	73%
Wind [mph, direction]	6, SSE	6, ESE	5-7, SSE
Weather [sunny, etc]	Sunny	Cloudy	Cloudy
Soil/Leaf surface moist.....	Dry	Moist/dry	Dry/dry
Crop stage/Height.....	N/A	3-4lf/10-12"	1-2til/8-12"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing.....	15/5/15	15/5/15	15/5/15
GPA/PSI	15/21	15/21	15/21
Applied by	GRS	SBS	MTB

Weed Species (population)	----- (height/#leaves) -----		
ECHCG (15-20m ²)	NA	1-2"/1-2lf	1-6"/2-5lf
BRAPP (8-10m ²)	NA	0-1"/0-1LF	1-6"/2-4lf

Flush Dates : 4/17/2025
 Permanent Flood..... : 5/27/2025

***AMFF – Air mix flat fan nozzles**

Table 22. Split TVE Application Programs to Utilize Keenali Complete Co-Pack

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
Treatment Appl.						21	35	14	21	35	14	21
Interval						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
Number of Decimals						0	0	0	0	0	0	0
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	NONTREATED						0	0	0	0	0	0
2	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	93	97	83
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
3	COMMAND	5	oz/a	0.117	lb ai/a	PRE	0	0	0	25	38	19
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
4	COMMAND	5	oz/a	0.117	lb ai/a	PRE	0	0	0	24	41	16
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
Treatment Appl.						21	35	14	21	35	14	21
Interval						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Unit	Other Rate	Other Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
5	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	89	95	79
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
6	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	80	92	79
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
7	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	83	80	70
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
8	COMMAND	5	oz/a	0.117	lb ai/a	PRE	0	0	0	25	26	18
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	
Rating Date						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Type						%	%	%	%	%	%	%	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type									W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP	
Treatment Appl.						21	35	14	21	35	14	21	
Interval						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE	
						1	2	3	4	5	6	7	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
9	COMMAND	5	oz/a	0.117	lb ai/a	PRE	0	0	0	36	33	76	24
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST							
	COC	1	% v/v	1.25	lb ai/a	EPOST							
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD							
	MSO	0.50	% v/v	0.627	lb ai/a	PREFLOOD							
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD							
10	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	91	90	99	83
	COMMAND	5	oz/a	0.117	lb ai/a	PRE							
	TVE29	3	oz/a	0.078	lb ai/a	EPOST							
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST							
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST							
	COC	1	% v/v	1.25	lb ai/a	EPOST							
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD							
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD							
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD							

Continued

Table 22. Continued

						May-6-2025	May-23-2025	Jun-5-2025	May-6-2025	May-23-2025	Jun-5-2025	May-6-2025
						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
						%	%	%	%	%	%	%
						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
									W, Weed	W, Weed	W, Weed	W, Weed
						RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	BRAPP
						21	35	14	21	35	14	21
						DA PRE	DA PRE	DA LPOST	DA PRE	DA PRE	DA LPOST	DA PRE
						1	2	3	4	5	6	7
Trt	Treatment	Rate	Unit	Other Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
11	TVE29	3	oz/a	0.078	lb ai/a	PRE	0	0	0	89	89	99
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						76
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
	LSD P=.05						.	.	.	8.2	10.0	12.3
	Standard Deviation						0.0	0.0	0.0	5.7	6.9	8.5
	CV						0.0	0.0	0.0	9.82	11.15	11.67
	Replicate F						NaN	NaN	NaN	0.870	0.124	0.982
	Replicate Prob(F)						NaN	NaN	NaN	0.4676	0.9454	0.4145
	Treatment F						NaN	NaN	NaN	155.684	101.336	67.357
	Treatment Prob(F)						NaN	NaN	NaN	0.0001	0.0001	0.0001

Continued

Table 22. Continued

							May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	CM	CM	CM	CM
Rating Unit												
Rating							0, 100, -	0, 100, -				
Min/Max/Interval												
Pest Type							W, Weed	W, Weed				
Pest Code							BRAPP	BRAPP	RICE	RICE	RICE	RICE
Treatment Appl.							21	14	AT	AT	AT	AT
Interval							DA EPOST	DA PREFL	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0
							8	9	10	11	12	13
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	NONTREATED						0	0	95	94	92	94
2	TVE29	3	oz/a	0.078	lb ai/a	PRE	87	96	103	105	103	106
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
3	COMMAND	5	oz/a	0.117	lb ai/a	PRE	20	63	97	98	100	101
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
4	COMMAND	5	oz/a	0.117	lb ai/a	PRE	11	45	96	98	99	97
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

Table 22: Continued						May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type						%	%	CM	CM	CM	CM	
Rating Unit												
Rating						0, 100, -	0, 100, -					
Min/Max/Interval												
Pest Type						W, Weed	W, Weed					
Pest Code						BRAPP	BRAPP	RICE	RICE	RICE	RICE	
Treatment Appl.						21	14	AT	AT	AT	AT	
Interval						DA EPOST	DA PREFL	HARVEST	HARVEST	HARVEST	HARVEST	
						8	9	10	11	12	13	
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
5	TVE29	3	oz/a	0.078	lb ai/a	PRE	84	95	101	101	104	106
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
6	TVE29	3	oz/a	0.078	lb ai/a	PRE	78	98	105	102	102	106
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
	TVE29	3	oz/a	0.078	lb ai/a	PRE	70	98	98	103	101	103
7	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PRE	11	70	94	99	101	101
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
8	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

							May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	CM	CM	CM	CM
Rating Unit												
Rating							0, 100, -	0, 100, -				
Min/Max/Interval												
Pest Type							W, Weed	W, Weed				
Pest Code							BRAPP	BRAPP	RICE	RICE	RICE	RICE
Treatment Appl.							21	14	AT	AT	AT	AT
Interval							DA EPOST	DA PREFL	HARVEST	HARVEST	HARVEST	HARVEST
							8	9	10	11	12	13
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl					
No.	Name	Rate	Unit	Rate	Unit	Timing						
9	COMMAND	5	oz/a	0.117	lb ai/a	PRE	10	72	100	100	98	98
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.50	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
10	TVE29	3	oz/a	0.078	lb ai/a	PRE	75	99	99	102	102	103
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

Table 22: Continued							May-23-2025	Jun-5-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							CONTROL	CONTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS
Rating Type							%	%	CM	CM	CM	CM
Rating Unit												
Rating							0, 100, -	0, 100, -				
Min/Max/Interval												
Pest Type							W, Weed	W, Weed				
Pest Code							BRAPP	BRAPP	RICE	RICE	RICE	RICE
Treatment Appl.							21	14	AT	AT	AT	AT
Interval							DA EPOST	DA PREFL	HARVEST	HARVEST	HARVEST	HARVEST
							8	9	10	11	12	13
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
11	TVE29	3	oz/a	0.078	lb ai/a	PRE	73	99	102	104	106	105
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
LSD P=.05							9.2	9.9	5.7	7.1	5.3	7.0
Standard Deviation							6.4	6.9	3.9	4.9	3.7	4.9
CV							13.49	9.07	3.99	4.88	3.63	4.8
Replicate F							0.185	0.595	4.014	1.828	1.041	0.113
Replicate Prob(F)							0.9057	0.6233	0.0163	0.1633	0.3886	0.9519
Treatment F							125.831	82.173	3.047	1.659	3.727	2.767
Treatment Prob(F)							0.0001	0.0001	0.0088	0.1376	0.0025	0.0151

Continued

Table 22. Continued

							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
							AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD
							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
							0, 100, -					
							RICE	RICE	RICE	RICE	RICE	RICE
							AT	AT	AT	AT	AT	AT
							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
							0	2	1	0	0	0
							14	15	16	17	18	19
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	NONTREATED						0	0	95	94	92	94
2	TVE29	3	oz/a	0.078	lb ai/a	PRE	87	96	103	105	103	106
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
3	COMMAND	5	oz/a	0.117	lb ai/a	PRE	20	63	97	98	100	101
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
4	COMMAND	5	oz/a	0.117	lb ai/a	PRE	11	45	96	98	99	97
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						

Continued

Table 22. Continued

Table 22: Continued							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD
Rating Type							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Unit												
Rating												
Min/Max/Interval									0, 100, -			
Pest Type												
Pest Code												
Treatment Appl.												
Interval												
							RICE	RICE	RICE	RICE	RICE	RICE
							AT	AT	AT	AT	AT	AT
							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
							14	15	16	17	18	19
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
5	TVE29	3	oz/a	0.078	lb ai/a	PRE	103	9.08	15.1	5198	116	5826
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
6	TVE29	3	oz/a	0.078	lb ai/a	PRE	103	9.52	15.3	5435	121	6092
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	PROPANIL	3	qt/a	3	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
	TVE29	3	oz/a	0.078	lb ai/a	PRE	101	8.98	15.6	5111	114	5729
7	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	5	oz/a	0.117	lb ai/a	PRE	99	7.60	15.4	4336	96	4860
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
8	COC	1	% v/v	1.25	lb ai/a	EPOST						
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						

Continued

	Rating Date						Aug-13-2025 AVG HEIGHTS	Aug-13-2025 YIELD	Aug-13-2025 MOICON	Aug-13-2025 YIELD	Aug-13-2025 YIELD	Aug-13-2025 YIELD	
	Rating Type						CM	LB/PLOT	%	LB/A	BU/A	KG/HA	
	Rating Unit												
	Rating												
	Min/Max/Interval								0, 100, -				
	Pest Type						RICE	RICE	RICE	RICE	RICE	RICE	
	Pest Code						AT	AT	AT	AT	AT	AT	
	Treatment Appl.						HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	
	Interval												
							Other	14	15	16	17	18	19
Trt	Treatment		Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing							
9	COMMAND	5	oz/a	0.117	lb ai/a	PRE	99	8.27	15.2	4724	105	5295	
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST							
	COC	1	% v/v	1.25	lb ai/a	EPOST							
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD							
	MSO	0.50	% v/v	0.627	lb ai/a	PREFLOOD							
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD							
10	TVE29	3	oz/a	0.078	lb ai/a	PRE	102	9.75	15.5	5553	123	6224	
	COMMAND	5	oz/a	0.117	lb ai/a	PRE							
	TVE29	3	oz/a	0.078	lb ai/a	EPOST							
	COMMAND	5	oz/a	0.117	lb ai/a	EPOST							
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST							
	COC	1	% v/v	1.25	lb ai/a	EPOST							
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD							
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD							
	COMMAND	5	oz/a	0.117	lb ai/a	PREFLOOD							

Table 22. Continued

Table 22: Continued							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD
Rating Type							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Unit												
Rating									0, 100, -			
Min/Max/Interval												
Pest Type												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	AT	AT	AT
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
							14	15	16	17	18	19
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
11	TVE29	3	oz/a	0.078	lb ai/a	PRE	104	10.90	12.0	6496	144	7282
	COMMAND	5	oz/a	0.117	lb ai/a	PRE						
	TVE29	3	oz/a	0.078	lb ai/a	EPOST						
	PERMIT	1	oz/a	0.047	lb ai/a	EPOST						
	COC	1	% v/v	1.25	lb ai/a	EPOST						
	NOVIXID	27.6	oz/a	0.045	lb ai/a	PREFLOOD						
	MSO	0.5	% v/v	0.627	lb ai/a	PREFLOOD						
	COMMAND	10	oz/a	0.234	lb ai/a	PREFLOOD						
LSD P=.05							4.2	2.023	2.77	1230.1	27.3	1378.8
Standard Deviation							2.9	1.401	1.92	851.8	18.9	954.8
CV							2.91	17.55	13.19	18.51	18.51	18.51
Replicate F							2.119	4.375	1.177	4.277	4.277	4.277
Replicate Prob(F)							0.1187	0.0114	0.3351	0.0126	0.0126	0.0126
Treatment F							4.998	11.013	1.468	10.178	10.178	10.178
Treatment Prob(F)							0.0003	0.0001	0.2000	0.0001	0.0001	0.0001
Rating Type		Rating Unit		Pest Type		Pest Code						
Yield = yield		%, 0, 100, = percent		W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US						
MOICON = moisture content		cm, , , = centimeter				BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US						
		LB/PLOT, , , = pounds per plot										
		KG/HA, , , = kilograms per hectare										

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TVE and Command Rates for a Silt Loam

Experiment number : **C25-65**
 Location : RRS-Crowley, LA
 Experimental design : Factorial (RCB)
 Number of reps : 4
 Plot size : 5'x17'
 Row width/# per plot : 7"/8
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL03 @ 70 LB/A
 Planting date : 4/15/25
 Emergence date : 4/20/25
 Harvest date : 8/13/25
 Uniform Stand Treatment : Gambit 1.5oz/A on 5/5
 : Gambit 1oz/A +1% COC on 5/27

Application type : PRE
 Date applied [mm/dd/yy] : 4/16/25
 Time [hh:mm-hh:mm] : 3:50-4:32p
 Air/Soil temperature [F] : 79/74
 Relative humidity [%] : 27%
 Wind [mph, direction] : 6-8, SSE
 Weather [sunny, etc] : Sunny
 Soil/Leaf surface moist : Dry
 Crop stage/Height : N/A
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by : GRS

Weed Species (population) :- (height/#leaves) –
 NA

Flush Dates : 4/17/25
 Permanent Flood : 5/27/25

***AMFF – Air mix flat fan nozzles**

Table 23. TVE and Command Rates for a Silt Loam

Table 25: TVE and Command Rates for a Six Bean						Jun-5-2025	May-13-2025	May-23-2025	Jun-5-2024	Jun-18-2025	May-13-2025	May-23-2025
Rating Date						INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Type						%	%	%	%	%	%	%
Rating Unit												
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -
Min/Max/Interval												
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed
Pest Code						RICE	ECHCG	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Treatment Appl.						49 DAT	28 DAT	35 DAT	49 DAT	63 DAT	28 DAT	35 DAT
Interval												
Number of Decimals						0	0	0	0	0	0	0
Other						1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl							
No.	Name	Rate	Unit	Rate	Unit	Timing						
1	No TVE						0	0	0	0	0	0
	No Command											
2	No TVE						0	31	43	13	25	14
	Command	0.094	lb ai/a 4		fl oz/a	PRE						40
3	No TVE						0	43	49	20	46	23
	Command	0.14	lb ai/a 6		fl oz/a	PRE						60
4	No TVE						0	51	49	19	30	26
	Command	0.188	lb ai/a 8		fl oz/a	PRE						48
5	TVE	0.078	lb ai/a 3		fl oz/a	PRE	0	94	86	55	94	79
	No Command											89
6	TVE	0.078	lb ai/a 3		fl oz/a	PRE	0	81	88	50	79	68
	Command	0.094	lb ai/a 4		fl oz/a	PRE						81
7	TVE	0.078	lb ai/a 3		fl oz/a	PRE	0	87	90	54	85	73
	Command	0.14	lb ai/a 6		fl oz/a	PRE						76
8	TVE	0.078	lb ai/a 3		fl oz/a	PRE	0	93	88	59	81	81
	Command	0.188	lb ai/a 8		fl oz/a	PRE						83
9	TVE	0.112	lb ai/a 4.3		fl oz/a	PRE	0	98	82	89	99	95
	No Command											98

Continued

Table 23. Continued

						Jun-5-2025	May-13-2025	May-23-2025	Jun-5-2024	Jun-18-2025	May-13-2025	May-23-2025	
						INJURY	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
						%	%	%	%	%	%	%	
Rating						0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	0, 100, -	
Min/Max/Interval													
Pest Type							W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	W, Weed	
Pest Code						RICE	ECHCG	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	
Treatment Appl.						49 DAT	28 DAT	35 DAT	49 DAT	63 DAT	28 DAT	35 DAT	
Interval													
Number of Decimals						0	0	0	0	0	0	0	
						Other	1	2	3	4	5	6	7
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
10	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	0	98	97	90	97	93	97
	Command	0.094	lb ai/a	4	fl oz/a	PRE							
11	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	0	99	95	85	98	97	98
	Command	0.14	lb ai/a	6	fl oz/a	PRE							
12	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	0	99	95	86	98	95	95
	Command	0.188	lb ai/a	8	fl oz/a	PRE							
LSD P=.05							.	14.2	14.0	10.6	12.9	8.2	8.3
Standard Deviation							0.0	9.9	9.8	7.4	8.9	5.7	5.8
CV							0.0	13.58	13.63	14.32	12.42	9.25	8.04
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							NaN	3.521	0.747	3.043	1.164	2.088	0.273
Replicate Prob(F)							NaN	0.0256	0.5319	0.0425	0.3397	0.1207	0.8443
Treatment F							NaN	45.121	37.731	76.649	54.166	157.056	107.748
Treatment Prob(F)							NaN	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 23. Continued

						Jun-5-2024	Jun-18-2025	Jun-18-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
						CONTROL	CONOTROL	CONOTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	
						%	%	%	CM	CM	CM	CM	
Rating													
Min/Max/Interval						0, 100, -	0, 100, -	0, 100, -					
Pest Type						W, Weed	W, Weed	W, Weed					
Pest Code						BRAPP	BRAPP	LEFPA	RICE	RICE	RICE	RICE	
Treatment Appl.						49 DAT	63 DAT	63 DAT	AT	AT	AT	AT	
Interval									HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Other	Rate	Appl								
No.	Name	Rate	Unit	Rate	Unit	Timing							
1	No TVE						0	0	0	90	90	89	93
	No Command												
2	No TVE						20	32	0	90	91	93	87
	Command	0.094	lb ai/a 4		fl oz/a	PRE							
3	No TVE						20	42	0	92	96	88	92
	Command	0.14	lb ai/a 6		fl oz/a	PRE							
4	No TVE						25	33	0	96	96	95	96
	Command	0.188	lb ai/a 8		fl oz/a	PRE							
5	TVE	0.078	lb ai/a 3		fl oz/a	PRE	68	78	94	106	105	102	104
	No Command												
6	TVE	0.078	lb ai/a 3		fl oz/a	PRE	59	74	88	103	105	105	100
	Command	0.094	lb ai/a 4		fl oz/a	PRE							
7	TVE	0.078	lb ai/a 3		fl oz/a	PRE	55	81	89	101	100	100	105
	Command	0.14	lb ai/a 6		fl oz/a	PRE							
8	TVE	0.078	lb ai/a 3		fl oz/a	PRE	71	84	94	105	104	104	106
	Command	0.188	lb ai/a 8		fl oz/a	PRE							
9	TVE	0.112	lb ai/a 4.3		fl oz/a	PRE	89	99	95	106	107	107	108
	No Command												

Continued

Table 23. Continued

Table 25: Continued						Jun-5-2024	Jun-18-2025	Jun-18-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	
Rating Date						CONTROL	CONOTROL	CONOTROL	HEIGHTS	HEIGHTS	HEIGHTS	HEIGHTS	
Rating Type						%	%	%	CM	CM	CM	CM	
Rating Unit													
Rating						0, 100, -	0, 100, -	0, 100, -					
Min/Max/Interval													
Pest Type						W, Weed	W, Weed	W, Weed					
Pest Code						BRAPP	BRAPP	LEFPA	RICE	RICE	RICE	RICE	
Treatment Appl.						49 DAT	63 DAT	63 DAT	AT	AT	AT	AT	
Interval									HARVEST	HARVEST	HARVEST	HARVEST	
Number of Decimals						0	0	0	0	0	0	0	
Other						8	9	10	11	12	13	14	
Trt	Treatment	Rate	Unit	Other	Rate	Unit	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing							
10	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	89	98	94	107	109	104	109
	Command	0.094	lb ai/a	4	fl oz/a	PRE							
11	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	91	99	98	103	107	108	108
	Command	0.14	lb ai/a	6	fl oz/a	PRE							
12	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	94	98	95	106	109	112	107
	Command	0.188	lb ai/a	8	fl oz/a	PRE							
LSD P=.05							9.0	10.1	4.8	7.3	6.9	6.9	6.4
Standard Deviation							6.3	7.0	3.3	5.1	4.8	4.8	4.5
CV							11.08	9.94	5.34	5.08	4.72	4.78	4.42
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							2.635	0.960	3.184	2.413	3.019	1.989	1.829
Replicate Prob(F)							0.0661	0.4242	0.0365	0.0843	0.0436	0.1348	0.1611
Treatment F							109.399	84.937	767.097	6.950	8.345	9.845	11.438
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Continued

Table 23. Continued

							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD
Rating Type							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Unit												
Rating									0, 100, -			
Min/Max/Interval												
Pest Type							RICE	RICE	RICE	RICE	RICE	RICE
Pest Code							AT	AT	AT	AT	AT	AT
Treatment Appl.							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Interval							0	2	1	0	0	0
Number of Decimals												
							15	16	17	18	19	20
Trt	Treatment	Rate	Rate	Other	Rate	Appl						
No.	Name		Unit	Rate	Unit	Timing						
1	No TVE						90	2.37	14.9	1441	32	1616
	No Command											
2	No TVE						90	3.04	14.6	1849	41	2072
	Command	0.094	lb ai/a	4	fl oz/a	PRE						
3	No TVE						92	2.27	14.3	1388	31	1555
	Command	0.14	lb ai/a	6	fl oz/a	PRE						
4	No TVE						96	3.25	13.7	1999	44	2241
	Command	0.188	lb ai/a	8	fl oz/a	PRE						
5	TVE	0.078	lb ai/a	3	fl oz/a	PRE	104	8.78	17.9	5150	114	5772
	No Command											
6	TVE	0.078	lb ai/a	3	fl oz/a	PRE	103	7.46	16.2	4448	99	4986
	Command	0.094	lb ai/a	4	fl oz/a	PRE						
7	TVE	0.078	lb ai/a	3	fl oz/a	PRE	102	8.16	17.3	4818	107	5400
	Command	0.14	lb ai/a	6	fl oz/a	PRE						
8	TVE	0.078	lb ai/a	3	fl oz/a	PRE	104	8.24	18.1	4831	107	5415
	Command	0.188	lb ai/a	8	fl oz/a	PRE						
9	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	107	10.04	17.6	5958	132	6678
	No Command											

Continued

Table 23. Continued

Table 25: Continued							Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025	Aug-13-2025
Rating Date							AVG HEIGHTS	YIELD	MOICON	YIELD	YIELD	YIELD
Rating Type							CM	LB/PLOT	%	LB/A	BU/A	KG/HA
Rating Unit												
Rating												
Min/Max/Interval									0, 100, -			
Pest Type												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Treatment Appl.							AT	AT	AT	AT	AT	AT
Interval							HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals							0	2	1	0	0	0
							15	16	17	18	19	20
Trt	Treatment	Rate	Unit	Other	Rate	Appl						
No.	Name	Rate	Unit	Rate	Unit	Timing						
10	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	107	10.31	16.8	6179	137	6925
	Command	0.094	lb ai/a	4	fl oz/a	PRE						
11	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	106	10.14	14.8	6225	138	6977
	Command	0.14	lb ai/a	6	fl oz/a	PRE						
12	TVE	0.112	lb ai/a	4.3	fl oz/a	PRE	109	9.54	17.1	5707	127	6396
	Command	0.188	lb ai/a	8	fl oz/a	PRE						
LSD P=.05							4.8	1.530	4.17	1066.7	23.7	1195.6
Standard Deviation							3.3	1.064	2.90	741.5	16.5	831.1
CV							3.28	15.27	17.99	17.8	17.8	17.8
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							4.288	25.530	2.050	22.609	22.609	22.609
Replicate Prob(F)							0.0116	0.0001	0.1259	0.0001	0.0001	0.0001
Treatment F							17.631	37.370	1.165	27.116	27.116	27.116
Treatment Prob(F)							0.0001	0.0001	0.3474	0.0001	0.0001	0.0001
Rating Type		Rating Unit			Pest Type		Pest Code					
Yield = yield		%, 0, 100, = percent			W, Weed = Weed or volunteer crop		ECHCG, Echinochloa crus-galli, common barnyardgrass = US					
MOICON = moisture content		cm, , , = centimeter					BRAPP, Brachiaria platyphylla, broad-leaved signal grass = US					
		LB/PLOT, , , = pounds per plot					LEFPA, Leptochloa panicoides, Tighthead sprangletop = US					
		KG/HA, , , = kilograms per hectare										

Appendix I

Abbreviations Used in Rice Weed Control Research

Abbreviation	Description
A	Acre
AM	Greenleaf Technologies AirMix nozzle
AMFF	Greenleaf Technologies AirMix Flatfan nozzle
AVG	Average
CO ₂ BKPK	CO ₂ -pressurized backpack sprayer
cm or CM	Centimeters
COC	Crop oil concentrate
Cot	Cotyledon
DA	Days after
DPRE	Delayed preemergence application
DAE	Days after emergence
DAEPOST	Days after early postemergence application
DAFLOOD	Days after flood establishment
DALPOST	Days after late postemergence application
DAMPOST	Days after mid postemergence application
DAP	Days after planting
DAPI	Days after panicle initiation
DAPOT	Days after postemergence application
DAT	Days after treatment
DG	Drift Guard nozzle
DRWDWN	Seeding flood drain/drawdown
Emergence	Emergence application
EPOST	Early postemergence application
EPOST-FLOOD	Early postemergence after flood establishment
F, FLD	Flood
FAT	Factorial arrangement of treatments
FF	Flat fan nozzles
FL OZ/A	Fluid ounces product p er acre
FT	Feet
G	Grams
GPA	Gallons per acre
HT	Height
In	Inches
LB	Pounds
LB/A	Pounds product per acre
LB A/A	Pounds active ingredient per acre
If	Leaf
LPOST	Late postemergence application
LPOST-FLOOD	Late postemergence after flood establishment
MC	Mostly cloudy
MOICON	Moisture Content
MPOST	Mid postemergence application
MSO	Methylated soybean oil
N/A	Not applicable
NIS	Non-ionic surfactant
OC	Overcast cloud cover
OZ/A	Ounces product per acre

Continued

Abbreviations Used in Rice Weed Control Research (Continued)

Abbreviation	Description
OZ A/A	Ounces active ingredient per acre
PD	Panicle differentiation
PEG	Pegging application
PEGFLD	Pegging application after flood establishment
PEGGING	Pegging application
PI	Panicle initiation
PPI	Preplant incorporated application
PRE	Preemergence application
PREFL	Pre-flood application
PREPLANT	Surface application prior to planting
PRE-SEED	Application to pregerminated seed
PRE-SOIL	Surface application prior to water-seeding
POST	Postemergence application
POFL, POST-FLOOD	After permanent flood establishment
PC	Partly cloudy
PT/A	Pints product per acre
QT/A	Quarts product per acre
RCB	Randomized complete block experimental design
RRS	Rice Research Station, Crowley, LA
SEED	Herbicide applied to exposed pregerminated seed
SPOON	Expanded ducksalad leaf application
STAND	Rice stand count
TDM	Total dry matter
TILL	Tiller
WAE	Weeks after emergence
WAT	Weeks after treatment
WT	Weight
1-2lf	1-2 leaf rice growth stage
2-3lf	2-3 leaf rice growth stage
3-4lf	3-4 leaf rice growth stage
4-5lf	4-5 leaf rice growth stage
5lf-1till	5 leaf to 1 tiller rice growth stage
24 PREFL	24 hours pre-flood
24 POFL	24 hours post-flood

Common Rice Weeds of Louisiana

Bayer Code	Common Name	Scientific Name
AESIN	Indian jointvetch	<i>Aeschynomene indica</i>
ALRPH	alligatorweed	<i>Alternanthera philoxeroides</i>
BRAPP	broadleaf signalgrass	<i>Urochloa platyphylla</i>
CNPPA	Texasweed	<i>Caperonia palustris</i>
COMDI	spreading dayflower	<i>Commelina diffusa</i>
CYPIR	rice flatsedge	<i>Cyperus iria</i>
CYPES	yellow nutsedge	<i>Cyperus esculentus</i>
ECHCG	barnyardgrass	<i>Echinochloa crus-galli</i>
ECHPO	creeping rivergrass	<i>Echinochloa polystachya</i>
ECLAL	eclipta	<i>Eclipta prostrata</i>
ECOCO	creeping burhead	<i>Echinodorus cordifolius</i>
HETLI	ducksalad	<i>Heteranthera limosa</i>
IUSRG	creeping water primrose	<i>Ludwigia peploides</i>
LEFPA	Amazon sprangletop	<i>Leptochloa panicoides</i>
LEROR	rice cutgrass	<i>Leersia oryzoides</i>
LUZFL	southern watergrass	<i>Luziola fluitans</i>
MEOCO	redweed	<i>Melochia corchorifolia</i>
ORYSA	red rice	<i>Oryza sativa</i>
PASAC	Brook paspalum	<i>Paspalum acuminatum</i>
PASMD	water paspalum	<i>Paspalum modestum</i>
POFCO	pickerelweed	<i>Pontederia cordata</i>
POLPE	ladysthumb	<i>Polygonum aviculare</i>
ROTRA	toothcup	<i>Rotala ramosior</i>
SAGGR	Grassy arrowhead	<i>Sagittaria graminea</i>
SEBEX	hemp sesbania	<i>Sesbania herbacea</i>

Appendix II

List of Herbicides

Trade Name	Formulation	Company	Common Name	Chemical Name
Aim	2 EC	FMC	carfentrazone	ethyl α ,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate
Basagran	5 L	BASF	bentazon	3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide
Beyond	1 SC	BASF	imazamox	2-[4,5-dihydro-4-methyl-4-(1-methylethyl-5-oxo-1H-imidazol-2-yl)]-5-(methoxymethyl)-3-pyridinecarboxylic acid
Ultra Blazer	2 L	BASF	acifluorfen	Sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
Bolero	8 EC	Valent	thiobencarb	S-[(4-chlorophenyl)methyl]diethylcarbamothioate
Clincher	2.4 EC	Corteva AgriSciences	cyhalofop-butyl	2-[4-(4-cyano-2-fluorophenoxy)phenoxy]propanoic acid, butyl ester, (R)
Command	3 ME	FMC	clomazone	2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone
Diverge Silk	4 SC	Adama	propanil	3',4'-dichloropropionanilide
Duet		UPL	propanil (4 lb ai/gal) + bensulfuron (14 g)	3',4'-dichloropropionanilide + methyl-2-[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino]sulfonyl]methyl]benzoate

Continued

List of Herbicide(Continued)

Trade Name	Formulation	Company	Common Name	Chemical Name
Facet	75 DF	BASF	quinclorac	3,7-dichloro-8-quinolinecarboxylic acid
Facet L	1.5 L	BASF	quinclorac	3,7-dichloro-8-quinolinecarboxylic acid
Gambit	79 DF	Gowan	halosulfuron + prosulfuron	methyl 5-{[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl}-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate + 1-(4-methoxy-6-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)-phenylsulfonyl]-urea
Grandstand	3 SL	Corteva AgriScience	triclopyr	3,5,6-trichloro-2-pyridinyloxyacetic acid
Grasp	2 SC	Corteva AgriScience	penoxsulam	(2-(2,2-difluoroethoxy)-6-trifluoromethyl-N-(5,8-dimethoxy[1,2,4]triazolo-[1,5c]pyrimidin-2-yl)benzenesulfonamide)
Highcard	0.88 EC	Adama	quizalofop-P-ethyl	Ethyl®-2-[4-(6-chloroquinoxalin-2-yl oxy)phenoxy]propionate
League	75 DF	Valent	imazosulfuron	2-chloro-N-[[[(4,6-dimethoxy-2-pyrimidinyl)-amino] carbonyl]imidazo[1,2-a]pyridine-3-sulfonamide
Londax	60 DF	Corteva AgriScience	bensulfuron	methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino]sulfonyl]methyl]
Loyant	2.7 EC	Corteva Agriscience	florpyrauxifen-benzyl	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxy-phenyl)-5-fluoro, phenyl methyl ester

Continued

List of Herbicide(Continued)

Trade Name	Formulation	Company	Common Name	Chemical Name
Newpath	2 SC	BASF	imazethapyr	2-[4,5-dihydro-4-methyl-4-(1-methylethyl-5-oxo-1H-imidazol-2-yl)-5-ethyl-3-pyridinecarboxylic acid
Permit	75 DF	Gowan	halosulfuron	methyl 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl]-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate
Permit Plus	75 DF	Gowan	halosulfuron + thifensulfuron	methyl 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl]-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate + Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]-sulfonyl]-2-thiophenecarboxylate
Provisia	0.88 EC	BASF	quizalofop-P-ethyl	Ethyl®-2-[4-(6-chloroquinoxalin-2-yl oxy)phenoxy]propionate
Prowl	3.3 EC	BASF	pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
Prowl H ₂ O	3.8 AS	BASF	pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
Regiment	80 WP	Valent	V-10029	Sodium 2,6-bis [4,6-dimethoxy pyrimidin-2-yl)oxy] benzoate
RiceBeaux	6 EC	UPL	propanil + thiobencarb	3',4'-dichloropropionanilide + S-[(4-chlorophenyl)methyl] diethylcarbamoithioate

Continued

List of Herbicide(Continued)

Trade Name	Formulation	Company	Common Name	Chemical Name
RiceOne	3.69 AS	UPL	pendimethalin + clomazone	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine + 2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone
Ricestar HT	0.58 EC	Gowan	fenoxaprop-p-ethyl	(±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate
Rogue	3.4 SC	Gowan	benzobicyclon	-3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio)bicyclo-[3.2.1]oct-3-en-2-one
Roundup Weathermax	5.5 SL	Bayer	glyphosate	N-(phosphonomethyl)glycine
Stam M4/SC	4 EC/4 SC	UPL	propanil	3',4'-dichloropropionanilide
Strada	50	Nichino	orthosulfamuron	N/A
Strada XT	50	Nichino	orthosulfamuron + quinclorac	N/A + 3,7-dichloro-8-quinolinecarboxylic acid
Vopak	3 ME	Adama	clomazone	2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone
Zurax	1.5 L	Adama	quinclorac	3,7-dichloro-8-quinolinecarboxylic acid

Spray Adjuvants

Trade Name	Formulation	Company	Common Name	Composition
Agri-dex	99%	Helena	crop oil concentrate	Paraffin base petroleum oil (84%), polyol fatty acid esters and polyethoxylated derivatives (15%)
Dyne-a-pak	76%	Helena	nonionic surfactant	Blend of alkanolamides, alkanoates, trisiloxane, and carbamides
Induce	90%	Helena	nonionic surfactant	Blend of alkyl aryl polyoxylkane ether and free fatty acids
Kinetic	97%	Helena	nonionic surfactant	Blend of polyalkyleneoxide modified polydimethylsiloxane and polyoxypropylene-polyoxyethylene block copolymers
MSO	100%	N/A	methyated soybean oil	Methyated soybean oil, alkylphenol ethoxylate

LOUISIANA RICE PATHOLOGY

F. Dalla Lana, A. C. Cerutti, B. Borges, D. Mohottige, G. Escobar, L. Monte, D. Trahan

Introduction

Rice production in Louisiana is affected by multiple diseases that can significantly damage yield and quality, leading to economic losses. Historically, the most challenging and yield-limiting diseases in the state have been sheath blight (*Rhizoctonia solani* AG-1), blast (*Magnaporthe oryzae*), Cercospora (*Cercospora janseana*), and bacterial panicle blight (*Burkholderia glumae*). More recently, an increase in the prevalence and severity of kernel smuts (*Tilletia barclayana*) and false smut (*Ustilaginoidea virens*) has been reported in Louisiana. These six diseases are the primary research focus of the LSU Rice Pathology Program. While these major diseases can significantly limit yields, they are caused by different groups of organisms, each with their own unique dispersion patterns and environmental requirements. This diversity necessitates a complex and comprehensive management strategy for the rice system in Louisiana. Moreover, managing these diseases presents a challenge for growers and other stakeholders, as current methods are not effective in managing all diseases simultaneously. Therefore, effective management of rice diseases must follow an integrated pest management (IPM) approach, which encompasses multiple strategies and takes the entire crop system into consideration.

Effective management of rice diseases can include strategies like host resistance, cultural practices, and the use of chemical or biological products. Host resistance is the most effective and affordable method available for controlling diseases. Resistant genes, such as *Pita-2* for blast, are present in several varieties and can provide effective disease control as long as no new mutations in the fungus population overcome this genetic resistance. Unfortunately, despite ongoing research efforts, similar genetic resistance for diseases such as sheath blight and smuts is not yet available. Therefore, controlling these diseases relies on other methods, which are less effective than genetic resistance, more expensive (e.g., fungicide application), or can reduce yield potential (e.g., low nitrogen fertilization). To aid in decision-making on disease management, growers should consider factors associated with the risk of disease development, potential yield loss, and the costs of management strategies. The research of the Rice Pathology Program targets these aspects, ranging from the characterization and discovery of new genetic resistances to the evaluation of management practices and product efficacy. The main goal of our program is to maximize growers' return on investment in disease management while minimizing environmental impact and grain quality loss.

Disease Occurrence and Research Summary of 2025 Season

Disease prevalence and severity in Louisiana rice during 2025 was generally light to mild. Despite favorable weather for disease in June (Figure 1), intensity remained low, likely due to minimal inoculum. Fields planted after March faced more severe outbreaks and losses. Later in the season (August-September), some fields showed mild to severe blast epidemics, even in a variety considered blast-resistant (DG263L).

The overall yield loss associated with rice diseases was estimated at 4% across Louisiana. Most of the yield loss was observed in fields planted after March. The breakdown of estimated yield losses for each disease is as follows: sheath blight – 2.0%; bacterial panicle blight – 1.0%, blast – 0.75%, cercospora diseases – 0.25%, kernel smut – 0.1%, and other diseases – less than 0.1%.

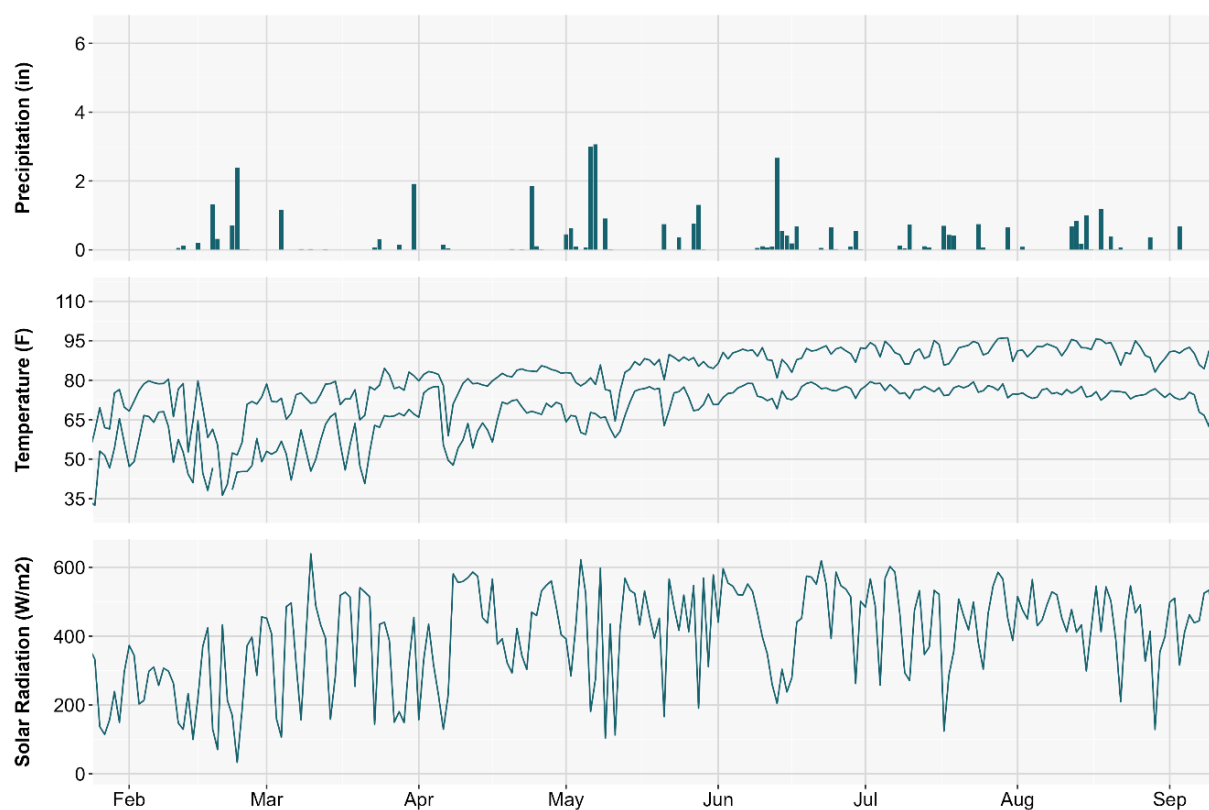


Figure 1 – Precipitation (top), temperature range (middle), and solar radiation (bottom) at the Rice Research Station, Rayne, during the 2025 rice main crop season.

Disease Reaction Studies

Host resistance is the most important and effective method to prevent disease losses. The Rice Pathology Program phenotypes many germplasms for disease resistance for the most important diseases in Louisiana in a series of trials. These studies include the Variety Test, Pre-Commercial (PC) trials, Uniform Regional Rice Nursery (URRN), Advanced Yield Trials (AYT), and Regional Yield Trials (RYT). The AYT and RYT trials are further divided into three groups based on herbicide resistance traits: Conventional (AYT-CV and RYT-CV), Clearfield (AYT-CL and RYT-CL), and Provisia (AYT-PV and RYT-PV). Variety trials include germplasm already available to growers; PC involve germplasm close to being released; URRN contains germplasm from multiple university rice breeding programs. The AYT and RYT are part of the LSU breeding program, both in advanced breeding stages, with AYT being at a more advanced stage in the pipeline than RYT. In addition to these groups, the Rice Pathology Program also phenotypes the U.S. breeding germplasm panel, referred to as NTP, which contains historical, modern, and advanced U.S. rice breeding germplasm for resistance discovery purposes.

The diseases targeted in these studies include, but are not limited to, sheath blight, blast, bacterial panicle blight, *Cercospora*, kernel smut, and false smut. Other diseases such as brown spot and leaf smut are also rated if significant levels are observed in the field. Currently, disease reaction trials are conducted under field conditions in three study layouts: row-plots, yield-plots, and upland nursery. Row-plots, which are smaller plots used to test large numbers of entries, each measure 6 feet in length with one to three rows per entry, depending on the study, and include two to four replications in a randomized complete block design (RCBD). The yield-plot studies, focusing on sheath blight resistance and yield and grain quality tolerance (the capacity of a genotype to maintain yield/quality under disease presence), consist of plots that are 4.6 by 16 feet, with four replications in a RCBD and inoculate with sheath blight. Finally, in the upland nursery, each experimental unit comprises two to three rows of two feet each, with three to four replications, also in a RCBD. Plants are cultivated without flood irrigation, a condition that increases susceptibility to leaf blast (the target disease), and disease severity is rated on 4-week-old plants. Due to the unfavorable weather, no blast was observed in the upland nursery. The results of the other studies are reported in the subsequent sub-sections.

Yield-plots

Yield-plots trials quantify yield and grain quality tolerance to sheath blight. Tolerance can be defined as the capacity of a plant to maintain yield, or grain quality, under disease presence. This information is not possible to capture on other trial settings. The study is replicated on two planting days, one in the middle of March and the other in the middle of April to capture the stability and influence of the weather in the results. The plots dimension were 4.6 by 16 feet, with four replications in a RCBD and inoculate with sheath blight. Plants were rated for sheath blight using a 0 to 9 scale. The crop was harvested and the grain yield was adjusted to 12% moisture. Milling quality, total and whole grain, were also quantified. Other diseases were not expressive in the field and were not rated.

Variety Trials – First Field (P1S1)

Table 1 – Summary of material and methods applied to yield-plots Variety Trial – First Field (P1S1).

Planting Date:	March 18
Water Management	<i>Flush:</i> March 20 and April 15; <i>Flooded:</i> April 30 (main crop); August 12 (ratoon) <i>Drained:</i> July 18 (main crop); October 16 (ratoon)
Fertilization	<i>Pre-planting:</i> 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) <i>Preflood:</i> 46-0- 0 [urea] - 300 lb/A (April 30, 2025) <i>Ratoon:</i> 46-0- 0 [urea] - 250 lb/A (August 11, 2025)
Herbicides	Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, February 4 Command 6 fl oz/A, March 19 Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Permit 1 oz/A, April 8 Tank-Mix propanil 3 qt/A, Gambit 1.5 oz/A, April 26 Ratoon 2,4-D 1 qt/A
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, May 22
Ratings	Sheath blight: July 21
Harvest	<i>Main crop:</i> August 5 <i>Ratoon:</i> October 31

Table 2 – Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper) for sheath blight severity (SB; 0-9 scale), grain yield from the first crop (YLD; lb/A), and grain yield from the second crop (Ratoon; lb/A) in the **Variety Trial** planted on March 18 (**P1S1**). Crowley, LA, 2025.

Disease	SB	SB	SB	SB	Yield	Yield	Yield	Yield
Units	0-9	0-9	0-9	0-9	Lb/A	Lb/A	Lb/A	Lb/A
Description	Mean	SE	Lower	Upper	Mean	SE	Lower	Upper
Genotype								
AddiJo	6.2	0.7	4.8	7.7	8227.9	248.7	7733.3	8722.5
Avant	7.1	0.7	5.6	8.5	7580.7	248.7	7086.1	8075.3
Cheniere	6.4	0.7	4.9	7.8	7531.3	248.7	7036.7	8025.9
CL153	7.6	0.7	6.1	9.0	6339.4	248.7	5844.8	6834.0
CLHA03	6.9	0.7	5.4	8.3	7511.2	248.7	7016.6	8005.7
CLJ01	5.3	0.7	3.9	6.8	6639.7	248.7	6145.1	7134.3
CLL16	6.4	0.7	5.0	7.9	8536.1	248.7	8041.5	9030.7
CLL18	5.9	0.7	4.5	7.3	9418.8	248.7	8924.2	9913.4
CLL19	7.7	0.7	6.2	9.0	7031.4	248.7	6536.8	7526.0
CLM04	5.7	0.7	4.3	7.1	8945.9	248.7	8451.3	9440.5
CLM05	7.8	0.7	6.3	9.0	8374.1	248.7	7879.6	8868.7
Della2	7.4	0.7	5.9	8.8	6337.3	248.7	5842.7	6831.9
DG245L	6.9	0.7	5.5	8.3	7740.8	248.7	7246.2	8235.3
DG263L	6.7	0.7	5.2	8.1	9039.3	248.7	8544.7	9533.9
DG353M	4.4	0.7	3.0	5.8	8677.2	248.7	8182.6	9171.8
DG563L-PV	5.4	0.7	4.0	6.9	8172.2	248.7	7677.6	8666.8
Fitzgerald	7.2	0.7	5.8	8.7	6708.0	248.7	6213.4	7202.6
Jazzman	4.0	0.7	2.5	5.4	7495.5	248.7	7000.9	7990.0
Jupiter	5.3	0.7	3.8	6.7	8069.8	248.7	7575.2	8564.4
Mermentau	5.4	0.7	4.0	6.9	6996.4	248.7	6501.8	7491.0
MP6_295	8.0	0.7	6.5	9.0	7999.6	248.7	7505.0	8494.1
Ozark	6.4	0.7	4.9	7.8	9309.7	248.7	8815.2	9804.3
PVL03	7.9	0.7	6.5	9.0	7406.9	248.7	6912.3	7901.5
PVL04	8.0	0.7	6.5	9.0	5964.4	248.7	5469.8	6459.0
RT3202	2.1	0.7	0.6	3.5	10315.7	248.7	9821.2	10810.3
RT7301	5.5	0.7	4.0	6.9	11004.9	248.7	10510.3	11499.5
RT7331 MA	4.0	0.7	2.6	5.5	10850.8	248.7	10356.3	11345.4
RT7421 FP	1.1	0.7	0.0	2.5	11599.1	248.7	11104.5	12093.7
RT7521 FP	4.8	0.7	3.4	6.3	11193.2	248.7	10698.6	11687.8
RU1902034	7.7	0.7	6.2	9.0	7193.0	248.7	6698.4	7687.6
RU2102222	5.1	0.7	3.7	6.6	8677.3	248.7	8182.8	9171.9
Taurus	6.1	0.7	4.7	7.5	9190.5	248.7	8695.9	9685.1
Titan	5.5	0.7	4.1	7.0	7892.7	248.7	7398.1	8387.3
Venus	7.7	0.7	6.3	9.0	8462.3	248.7	7967.7	8956.9
19T-029-4	6.4	0.7	5.0	7.9	7824.3	248.7	7329.7	8318.9

Continued

Table 2. Continued

Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper	Yield Lb/A Mean	Yield Lb/A SE	Yield Lb/A Lower	Yield Lb/A Upper
201L1251	7.1	0.7	5.7	8.5	7987.5	248.7	7492.9	8482.1
211L1008	8.2	0.7	6.7	9.0	6239.6	248.7	5745.0	6734.1
211L1331	6.9	0.7	5.5	8.4	6786.6	248.7	6292.0	7281.2
213L1140	7.2	0.7	5.7	8.6	7383.4	248.7	6888.8	7878.0
222L1082	5.1	0.7	3.7	6.6	8902.6	248.7	8408.0	9397.2
222M1096	6.3	0.7	4.9	7.7	8818.5	248.7	8324.0	9313.1
23AR2134	5.0	0.7	3.6	6.5	9006.5	248.7	8512.0	9501.1
23DGL-001PV	8.2	0.7	6.7	9.0	6611.0	248.7	6116.4	7105.6
23DGL070	6.6	0.7	5.1	8.0	9249.0	248.7	8754.4	9743.6

Table 3 – Estimated mean (Mean) and 95% confidence interval range (Lower and Upper) for grain yield from the second crop (Ratoon; lb/A), total milling yield (Total; %) and whole grain milling yield (Head; %) in the **Variety Trial** planted on March 18 (**P1S1**). Crowley, LA, 2025.

Disease	Ratoon	Ratoon	Ratoon	Total	Total	Total	Head	Head	Head
Units	Lb/A	Lb/A	Lb/A	%	%	%	%	%	%
Description	Mean	Lower	Upper	Mean	Lower	Upper	Mean	Lower	Upper
Genotype									
AddiJo	3635.2	3202.6	4067.7	70.2	69.2	71.2	53.2	50.0	56.3
Avant	3592.8	3160.2	4025.3	71.6	70.6	72.7	57.0	53.9	60.2
Cheniere	3822.8	3390.3	4255.4	73.1	72.0	74.1	62.6	59.5	65.7
CL153	3719.8	3287.3	4152.4	68.9	67.9	69.9	47.8	44.7	50.9
CLHA03	3182.4	2749.8	3614.9	70.1	69.0	71.1	58.2	55.0	61.3
CLJ01	3791.0	3358.4	4223.5	70.4	69.4	71.4	57.4	54.3	60.5
CLL16	2212.6	1780.1	2645.2	67.1	66.0	68.1	44.6	41.5	47.8
CLL18	2815.4	2382.9	3248.0	68.3	67.3	69.4	48.7	45.6	51.9
CLL19	3172.8	2740.3	3605.4	68.7	67.6	69.7	48.2	45.0	51.3
CLM04	3715.1	3282.5	4147.6	70.3	69.3	71.3	62.8	59.7	65.9
CLM05	4138.1	3705.5	4570.6	65.7	64.7	66.8	48.8	45.6	51.9
Della2	3700.9	3268.4	4133.5	66.5	65.5	67.6	43.0	39.9	46.1
DG245L	3226.8	2794.2	3659.4	72.2	71.2	73.2	59.4	56.3	62.5
DG263L	3027.0	2594.5	3459.6	67.7	66.7	68.8	46.8	43.7	49.9
DG353M	3933.5	3501.0	4366.1	69.1	68.0	70.1	54.9	51.8	58.0
DG563L-PV	2310.5	1877.9	2743.0	69.6	68.6	70.6	55.9	52.8	59.0
Fitzgerald	2600.2	2167.6	3032.7	71.1	70.0	72.1	52.5	49.4	55.6
Jazzman	3097.1	2664.6	3529.7	70.4	69.4	71.5	58.9	55.8	62.1
Jupiter	3144.3	2711.7	3576.8	68.0	67.0	69.0	62.9	59.8	66.1
Mermentau	3251.9	2819.4	3684.5	71.2	70.2	72.3	60.3	57.2	63.4
MP6 295	3414.5	2981.9	3847.0	69.4	68.3	70.4	46.9	43.7	50.0
Ozark	4459.0	4026.5	4891.6	67.5	66.5	68.6	41.2	38.1	44.3
PVL03	2235.9	1803.3	2668.4	67.7	66.7	68.7	36.3	33.1	39.4
PVL04	1871.6	1439.1	2304.2	71.4	70.4	72.4	56.0	52.9	59.1
RT3202	4574.0	4141.4	5006.5	69.1	68.1	70.1	42.4	39.2	45.5
RT7301	5742.8	5310.3	6175.4	69.9	68.9	71.0	39.1	36.0	42.2
RT7331 MA	5580.0	5147.4	6012.6	70.4	69.4	71.4	44.2	41.1	47.4
RT7421 FP	4860.5	4428.0	5293.1	69.0	67.9	70.0	49.2	46.1	52.3
RT7521 FP	5375.8	4943.2	5808.4	70.1	69.0	71.1	50.0	46.9	53.2
RU1902034	3533.3	3100.7	3965.9	70.5	69.5	71.5	51.0	47.9	54.1
RU2102222	4152.1	3719.6	4584.7	71.2	70.2	72.3	57.3	54.2	60.4
Taurus	3209.8	2777.3	3642.4	69.5	68.5	70.6	51.2	48.1	54.3
Titan	3845.5	3412.9	4278.0	67.9	66.9	69.0	49.0	45.9	52.1
Venus	3990.7	3558.1	4423.2	67.6	66.6	68.7	53.0	49.9	56.2
19T-029-4	4108.4	3675.8	4540.9	70.9	69.9	71.9	55.1	52.0	58.3

Continued

Table 3. Continued

Disease Units Description Genotype	Ratoon Lb/A Mean	Ratoon Lb/A Lower	Ratoon Lb/A Upper	Total % Mean	Total % Lower	Total % Upper	Head % Mean	Head % Lower	Head % Upper
201L1251	3908.4	3475.8	4340.9	69.0	68.0	70.0	41.2	38.1	44.3
211L1008	3685.5	3252.9	4118.0	70.9	69.9	71.9	54.6	51.5	57.7
211L1331	4077.7	3645.1	4510.2	67.2	66.2	68.3	35.9	32.8	39.0
213L1140	2107.5	1674.9	2540.0	67.0	66.0	68.0	37.3	34.2	40.5
222L1082	3310.6	2878.1	3743.2	70.0	69.0	71.0	52.1	49.0	55.2
222M1096	5224.7	4792.1	5657.2	70.2	69.2	71.3	60.8	57.6	63.9
23AR2134	3171.7	2739.1	3604.2	69.1	68.1	70.2	49.0	45.9	52.1
23DGL-001PV	2761.3	2328.8	3193.9	68.1	67.0	69.1	45.1	42.0	48.2
23DGL070	3876.9	3444.4	4309.5	70.0	69.0	71.1	54.4	51.3	57.6

Variety Trials – Second Field (P2S1)

Table 4 – Summary of material and methods applied to yield-plots Variety Trial – Second Field (P2S1).

Planting Date:	April 16
Water Management	<i>Flush:</i> NO; <i>Flooded:</i> May 26 (main crop); September 4 (ratoon) <i>Drained:</i> August 15 (main crop); October 16 (ratoon)
Fertilization	<i>Pre-planting:</i> 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) <i>Preflood:</i> 46-0- 0 [urea] - 300 lb/A (May 23, 2025) <i>Ratoon:</i> 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 Command 6 fl oz/A, April 16 Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet ½ lbs/A, April 26 Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, June 12
Ratings	Sheath blight: Aug 21
Harvest	<i>Main crop:</i> August 28 <i>Ratoon:</i> November 3

Table 5 – Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper) for sheath blight severity (SB; 0-9 scale), grain yield from the first crop (YLD; lb/A), and grain yield from the second crop (Ratoon; lb/A) in the **Variety Trial** planted on April 16 (**P2S1**). Crowley, LA, 2025.

Disease	SB	SB	SB	SB	Yield	Yield	Yield	Yield
Units	0-9	0-9	0-9	0-9	Lb/A	Lb/A	Lb/A	Lb/A
Description	Mean	SE	Lower	Upper	Mean	SE	Lower	Upper
Genotype								
AddiJo	5.3	1.0	3.3	7.4	3727.9	316.4	3077.1	4378.8
Avant	4.3	1.0	2.3	6.4	4503.5	316.4	3852.7	5154.4
Cheniere	5.7	1.0	3.6	7.7	3767.8	316.4	3117.0	4418.7
CL153	7.3	1.0	5.3	9.0	3717.6	316.4	3066.8	4368.5
CLHA03	5.0	1.0	3.0	7.0	4226.4	316.4	3575.6	4877.3
CLJ01	4.0	1.0	2.0	6.0	3542.0	316.4	2891.2	4192.9
CLL16	3.7	1.0	1.6	5.7	4407.5	316.4	3756.7	5058.4
CLL18	4.3	1.0	2.3	6.4	4977.4	316.4	4326.6	5628.3
CLL19	7.7	1.0	5.6	9.0	4215.2	316.4	3564.3	4866.0
CLM04	2.3	1.0	0.3	4.4	4599.3	316.4	3948.5	5250.2
CLM05	5.3	1.0	3.3	7.4	5367.7	316.4	4716.8	6018.5
Della2	3.0	1.0	1.0	5.0	3181.9	316.4	2531.1	3832.8
DG245L	4.7	1.0	2.6	6.7	3966.9	316.4	3316.0	4617.7
DG263L	7.7	1.0	5.6	9.0	6302.7	316.4	5651.8	6953.5
DG353M	4.3	1.0	2.3	6.4	2690.2	316.4	2039.4	3341.1
DG563L-PV	6.7	1.0	4.6	8.7	5619.4	316.4	4968.6	6270.3
Fitzgerald	2.7	1.0	0.6	4.7	3358.9	316.4	2708.1	4009.8
Jazzman	3.7	1.0	1.6	5.7	2478.1	316.4	1827.3	3129.0
Jupiter	3.7	1.0	1.6	5.7	2862.6	316.4	2211.8	3513.5
Mermentau	2.0	1.0	0.0	4.0	4129.7	316.4	3478.9	4780.6
MP6 295	3.7	1.0	1.6	5.7	3739.9	316.4	3089.0	4390.7
Ozark	3.3	1.0	1.3	5.4	4689.7	316.4	4038.9	5340.6
PVL03	5.3	1.0	3.3	7.4	3489.4	316.4	2838.5	4140.2
PVL04	6.0	1.0	4.0	8.0	3641.4	316.4	2990.6	4292.3
RT3202	2.3	1.0	0.3	4.4	4433.3	316.4	3782.4	5084.1
RT7301	5.7	1.0	3.6	7.7	6211.2	316.4	5560.4	6862.1
RT7331 MA	4.7	1.0	2.6	6.7	6291.3	316.4	5640.5	6942.2
RT7421 FP	4.7	1.0	2.6	6.7	7103.4	316.4	6452.6	7754.3
RT7521 FP	7.3	1.0	5.3	9.0	7014.9	316.4	6364.1	7665.8
RU1902034	7.3	1.0	5.3	9.0	4764.8	316.4	4114.0	5415.7
RU2102222	5.0	1.0	3.0	7.0	4678.0	316.4	4027.2	5328.9
Taurus	2.3	1.0	0.3	4.4	4317.1	316.4	3666.3	4968.0
Titan	3.0	1.0	1.0	5.0	2997.5	316.4	2346.7	3648.4
Venus	3.0	1.0	1.0	5.0	3101.9	316.4	2451.0	3752.7

Continued

Table 5. Continued

Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper	Yield Lb/A Mean	Yield Lb/A SE	Yield Lb/A Lower	Yield Lb/A Upper
19T-029-4	4.3	1.0	2.3	6.4	4135.2	316.4	3484.4	4786.1
201L1251	6.7	1.0	4.6	8.7	4068.8	316.4	3418.0	4719.7
211L1008	3.3	1.0	1.3	5.4	3521.2	316.4	2870.3	4172.0
211L1331	4.7	1.0	2.6	6.7	3545.0	316.4	2894.2	4195.9
213L1140	5.7	1.0	3.6	7.7	3828.7	316.4	3177.9	4479.6
222L1082	3.0	1.0	1.0	5.0	4019.4	316.4	3368.6	4670.3
222M1096	3.7	1.0	1.6	5.7	5565.1	316.4	4914.3	6216.0
23AR2134	4.7	1.0	2.6	6.7	4794.2	316.4	4143.4	5445.1
23DGL-001PV	8.0	1.0	6.0	9.0	4409.8	316.4	3759.0	5060.7
23DGL070	6.7	1.0	4.6	8.7	6035.8	316.4	5385.0	6686.7

Table 6 – Estimated mean (Mean) and 95% confidence interval range (Lower and Upper) for grain yield from the second crop (Ratoon; lb/A), total milling yield (Total; %) and whole grain milling yield (Head; %) in the **Variety Trial** planted on April 16 (**P2S1**). Crowley, LA, 2025.

Disease Units Description Genotype	Ratoon Lb/A Mean	Ratoon Lb/A Lower	Ratoon Lb/A Upper	Total % Mean	Total % Lower	Total % Upper	Head % Mean	Head % Lower	Head % Upper
AddiJo	1895.7	1589.8	2201.6	67.0	65.5	68.4	39.1	35.5	42.7
Avant	2245.8	1939.9	2551.8	69.4	68.0	70.9	50.2	46.6	53.9
Cheniere	2110.7	1804.8	2416.7	70.7	69.2	72.1	48.8	45.2	52.4
CL153	2200.2	1894.2	2506.1	65.2	63.7	66.6	38.2	34.5	41.8
CLHA03	2053.1	1747.2	2359.1	68.0	66.6	69.5	46.7	43.1	50.3
CLJ01	1993.9	1688.0	2299.8	67.0	65.5	68.4	43.8	40.2	47.4
CLL16	1150.1	844.1	1456.0	63.0	61.6	64.5	25.7	22.0	29.3
CLL18	1630.1	1324.2	1936.1	63.5	62.0	64.9	31.6	27.9	35.2
CLL19	1740.4	1434.4	2046.3	65.1	63.7	66.6	38.8	35.2	42.4
CLM04	2946.7	2640.8	3252.6	67.5	66.0	68.9	48.0	44.4	51.7
CLM05	2266.8	1960.8	2572.7	65.2	63.8	66.7	40.7	37.1	44.3
Della2	1892.2	1586.3	2198.2	63.0	61.6	64.5	32.5	28.9	36.2
DG245L	1891.7	1585.8	2197.6	69.3	67.8	70.7	43.9	40.2	47.5
DG263L				66.1	64.7	67.6	27.8	24.2	31.4
DG353M	1947.9	1641.9	2253.8	66.0	64.5	67.4	40.5	36.9	44.1
DG563L-PV	501.0	149.5	852.6	68.9	67.4	70.3	46.2	42.6	49.8
Fitzgerald	1889.9	1584.0	2195.8	65.7	64.2	67.1	37.3	33.7	41.0
Jazzman	2032.5	1726.6	2338.5	65.1	63.7	66.6	37.1	33.5	40.7
Jupiter	1840.6	1534.7	2146.5	66.5	65.0	67.9	55.4	51.8	59.0
Mermentau	1815.4	1509.5	2121.3	68.0	66.6	69.5	46.4	42.7	50.0
MP6 295	2261.1	1955.1	2567.0	63.0	61.6	64.5	25.2	21.6	28.9
Ozark	1393.8	1087.9	1699.8	63.6	62.1	65.0	18.4	14.8	22.0
PVL03	1664.9	1359.0	1970.9	63.0	61.6	64.5	24.4	20.8	28.0
PVL04	1571.7	1265.8	1877.7	69.0	67.5	70.4	48.5	44.9	52.2
RT3202	2275.9	1970.0	2581.8	66.7	65.3	68.2	48.8	45.2	52.4
RT7301	1344.6	1038.7	1650.6	67.5	66.0	68.9	33.4	29.8	37.0
RT7331 MA	1591.8	1285.9	1897.7	67.9	66.4	69.3	33.4	29.8	37.0
RT7421 FP	855.8	549.8	1161.7	69.6	68.2	71.1	42.9	39.2	46.5
RT7521 FP	1553.8	1247.9	1859.7	70.9	69.5	72.4	51.4	47.7	55.0
RU1902034	2186.8	1880.9	2492.8	66.0	64.5	67.4	37.4	33.8	41.0
RU2102222	1456.3	1150.4	1762.3	67.4	65.9	68.8	40.1	36.5	43.8
Taurus	1655.6	1349.7	1961.6	66.7	65.3	68.2	32.4	28.8	36.1
Titan	1855.8	1549.9	2161.8	64.6	63.1	66.0	40.4	36.8	44.0

Continued

Table 6. Continued

Disease Units Description Genotype	Ratoon Lb/A Mean	Ratoon Lb/A Lower	Ratoon Lb/A Upper	Total % Mean	Total % Lower	Total % Upper	Head % Mean	Head % Lower	Head % Upper
Venus	1722.8	1416.8	2028.7	64.4	63.0	65.9	44.0	40.4	47.7
19T-029-4	1925.5	1619.5	2231.4	66.8	65.3	68.2	40.9	37.3	44.5
201L1251	1832.3	1526.4	2138.3	63.3	61.9	64.8	22.2	18.6	25.8
211L1008	1701.4	1395.5	2007.4	68.8	67.3	70.2	46.7	43.1	50.4
211L1331	1750.2	1444.3	2056.1	63.5	62.1	65.0	24.7	21.0	28.3
213L1140	1312.4	1006.5	1618.3	62.5	61.0	63.9	29.7	26.1	33.3
222L1082	2291.6	1985.6	2597.5	64.0	62.6	65.5	33.4	29.8	37.1
222M1096	2411.8	2105.8	2717.7	68.5	67.0	69.9	50.1	46.4	53.7
23AR2134	1901.8	1595.8	2207.7	64.5	63.1	66.0	25.0	21.3	28.6
23DGL-001PV	494.7	143.2	846.3	67.2	65.8	68.7	44.9	41.3	48.5
23DGL070	903.1	597.2	1209.1	68.7	67.3	70.2	46.9	43.3	50.6

Pre-Commercial Trials – First Field (P1S1)

Table 7 – Summary of material and methods applied to yield-plots Pre-Commercial Trial – First Field (P1S2).

Planting Date:	March 18
Water Management	<i>Flush:</i> March 20 and April 15; <i>Flooded:</i> April 30 (main crop); August 12 (ratoon) <i>Drained:</i> July 18 (main crop); October 16 (ratoon)
Fertilization	<i>Pre-planting:</i> 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) <i>Preflood:</i> 46-0- 0 [urea] - 300 lb/A (April 30, 2025) <i>Ratoon:</i> 46-0- 0 [urea] - 250 lb/A (August 11, 2025)
Herbicides	Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, February 4 Command 6 fl oz/A, March 19 Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Permit 1 oz/A, April 8 Tank-Mix propanil 3 qt/A, Gambit 1.5 oz/A, April 26 Ratoon 2,4-D 1 qt/A
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, May 22
Ratings	Sheath blight: July 22
Harvest	<i>Main crop:</i> August 5 <i>Ratoon:</i> October 31

Table 8 – Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper) for sheath blight severity (SB; 0-9 scale), grain yield from the first crop (YLD; lb/A), and grain yield from the second crop (Ratoon; lb/A) in the **Pre-Commercial Trial** planted on March 18 (**P1S2**). Crowley, LA, 2025.

Disease	SB	SB	SB	SB	Yield	Yield	Yield	Yield
Units	0-9	0-9	0-9	0-9	Lb/A	Lb/A	Lb/A	Lb/A
Description	Mean	SE	Lower	Upper	Mean	SE	Lower	Upper
Genotype								
CLL18	3.8	0.7	2.4	5.3	8892.8	288.6	8313.2	9472.4
CLL19	8.0	0.7	6.5	9.0	7254.4	288.6	6674.8	7834.1
DG263L	6.9	0.7	5.4	8.4	9228.8	288.6	8649.1	9808.4
DG563PVL	7.0	0.7	5.5	8.4	8187.5	288.6	7607.9	8767.2
PVL03	7.6	0.7	6.2	9.0	7779.8	288.6	7200.2	8359.5
PVL04	5.1	0.7	3.6	6.5	6937.2	288.6	6357.5	7516.8
PVL05	8.1	0.7	6.6	9.0	6970.8	288.6	6391.2	7550.5
PVL06	3.3	0.7	1.9	4.8	8750.9	288.6	8171.2	9330.5
201L1251	5.4	0.7	4.0	6.9	8106.7	288.6	7527.0	8686.3
211L1008	7.4	0.7	6.0	8.9	6576.0	288.6	5996.4	7155.7
222L1082	6.5	0.7	5.0	8.0	8643.5	288.6	8063.9	9223.1
223L1139	5.2	0.7	3.7	6.6	7901.9	288.6	7322.2	8481.5
223L1236	6.0	0.7	4.5	7.5	7938.7	288.6	7359.0	8518.3
23AR148	4.0	0.7	2.5	5.5	9212.1	288.6	8632.4	9791.7
23CL1303	3.5	0.7	2.1	5.0	8341.5	288.6	7761.9	8921.1
23DGL070	7.4	0.7	6.0	8.9	9068.9	288.6	8489.2	9648.5
23DGL-001PV	8.3	0.7	6.8	9.0	6659.8	288.6	6080.2	7239.4
23DGL-002PV-10	6.4	0.7	5.0	7.9	8834.4	288.6	8254.8	9414.0
24AR1111	4.9	0.7	3.4	6.4	8194.3	288.6	7614.7	8773.9
24AR1134	3.4	0.7	1.9	4.9	7918.7	288.6	7339.1	8498.4
24AR2134	2.2	0.7	0.8	3.7	8863.1	288.6	8283.4	9442.7
24AR2139	2.3	0.7	0.8	3.7	8275.6	288.6	7696.0	8855.3
24DGL0631	6.7	0.7	5.2	8.2	8750.9	288.6	8171.2	9330.5
RU2102222	6.7	0.7	5.2	8.2	8350.4	288.6	7770.8	8930.1
RU2301045	3.4	0.7	2.0	4.9	8910.3	288.6	8330.6	9489.9

Table 9 – Estimated mean (Mean) and 95% confidence interval range (Lower and Upper) for grain yield from the second crop (Ratoon; lb/A), total milling yield (Total; %) and whole grain milling yield (Head; %) in the **Pre-Commercial Trial** planted on March 18 (**P1S2**). Crowley, LA, 2025.

Disease Units Description Genotype	Ratoon Lb/A Mean	Ratoon Lb/A Lower	Ratoon Lb/A Upper	Total % Mean	Total % Lower	Total % Upper	Head % Mean	Head % Lower	Head % Upper
CLL18	2197.5	1721.1	2673.9	69.2	68.3	70.0	52.5	49.7	55.2
CLL19	2713.9	2237.5	3190.4	69.5	68.7	70.4	49.1	46.4	51.8
DG263L	3047.7	2571.3	3524.1	68.1	67.3	69.0	48.5	45.7	51.2
DG563PVL	2161.2	1684.8	2637.7	70.9	70.1	71.8	59.8	57.0	62.5
PVL03	2617.2	2140.8	3093.6	69.2	68.3	70.0	44.4	41.7	47.1
PVL04	2074.3	1597.8	2550.7	72.0	71.2	72.9	57.8	55.0	60.5
PVL05	1854.6	1378.2	2331.0	67.2	66.4	68.1	38.2	35.5	41.0
PVL06	3436.4	2960.0	3912.8	69.1	68.3	70.0	51.2	48.5	54.0
201L1251	3400.0	2923.6	3876.4	69.6	68.7	70.4	47.5	44.7	50.2
211L1008	3408.5	2932.0	3884.9	71.7	70.9	72.6	58.4	55.6	61.1
222L1082	3523.1	3046.7	3999.5	70.8	70.0	71.7	54.8	52.1	57.5
223L1139	2849.9	2373.5	3326.3	70.4	69.5	71.2	54.3	51.5	57.0
223L1236	3756.8	3280.3	4233.2	68.9	68.0	69.7	43.3	40.5	46.0
23AR148	4079.4	3603.0	4555.8	68.4	67.5	69.2	38.9	36.1	41.6
23CL1303	2686.7	2210.3	3163.2	67.8	67.0	68.7	49.6	46.9	52.4
23DGL070	3683.3	3206.9	4159.7	71.7	70.8	72.5	59.2	56.4	61.9
23DGL-001PV	2412.7	1936.3	2889.2	70.2	69.3	71.0	51.9	49.1	54.6
23DGL-002PV-10	2473.2	1996.8	2949.7	70.7	69.8	71.5	58.9	56.2	61.6
24AR1111	3556.3	3079.9	4032.8	69.0	68.1	69.8	42.0	39.3	44.8
24AR1134	3492.1	3015.7	3968.6	69.3	68.5	70.2	54.4	51.6	57.1
24AR2134	3640.9	3164.5	4117.4	70.3	69.4	71.1	55.2	52.5	58.0
24AR2139	3299.8	2823.3	3776.2	68.7	67.8	69.5	49.3	46.6	52.1
24DGL0631	3054.8	2578.4	3531.2	68.5	67.7	69.4	51.5	48.8	54.2
RU2102222	4023.7	3547.3	4500.2	72.7	71.9	73.6	61.4	58.7	64.2
RU2301045	4144.6	3668.2	4621.1	71.2	70.4	72.1	55.7	53.0	58.4

Pre-Commercial Trials – Second Field (P2S2)

Table 10 – Summary of material and methods applied to yield-plots Pre-Commercial Trial – Second Field (P2S2).

Planting Date:	April 16
Water Management	<i>Flush:</i> NO; <i>Flooded:</i> May 26 (main crop); September 4 (ratoon) <i>Drained:</i> August 15 (main crop); October 16 (ratoon)
Fertilization	<i>Pre-planting:</i> 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) <i>Preflood:</i> 46-0- 0 [urea] - 300 lb/A (May 23, 2025) <i>Ratoon:</i> 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 Command 6 fl oz/A, April 16 Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet ½ lbs/A, April 26 Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, June 12
Ratings	Sheath blight: August 21
Harvest	<i>Main crop:</i> August 28 <i>Ratoon:</i> November 3

Table 11 – Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper) for sheath blight severity (SB; 0-9 scale), grain yield from the first crop (YLD; lb/A), and grain yield from the second crop (Ratoon; lb/A) in the **Pre-Commercial Trial** planted on April 16 (**P2S2**). Crowley, LA, 2025.

Disease	SB	SB	SB	SB	Yield	Yield	Yield	Yield
Units	0-9	0-9	0-9	0-9	Lb/A	Lb/A	Lb/A	Lb/A
Description	Mean	SE	Lower	Upper	Mean	SE	Lower	Upper
Genotype								
CLL18	4.7	0.6	3.6	5.8	3868.0	212.4	3440.2	4295.8
CLL19	7.3	0.6	6.2	8.4	3740.6	212.4	3312.8	4168.4
DG263L	8.3	0.6	7.2	9.0	5959.8	212.4	5532.0	6387.6
DG563PVL	8.0	0.6	6.9	9.0	5304.6	212.4	4876.8	5732.4
PVL03	6.7	0.6	5.6	7.8	3108.3	212.4	2680.6	3536.1
PVL04	5.3	0.6	4.2	6.4	3295.5	212.4	2867.8	3723.3
PVL05	6.7	0.6	5.6	7.8	3054.3	212.4	2626.5	3482.0
PVL06	4.3	0.6	3.2	5.4	4454.6	212.4	4026.8	4882.4
201L1251	5.3	0.6	4.2	6.4	3317.2	212.4	2889.4	3745.0
211L1008	4.3	0.6	3.2	5.4	3634.7	212.4	3206.9	4062.5
222L1082	4.3	0.6	3.2	5.4	3492.4	212.4	3064.6	3920.2
223L1139	5.7	0.6	4.6	6.8	3571.1	212.4	3143.3	3998.9
223L1236	6.3	0.6	5.2	7.4	3689.1	212.4	3261.3	4116.9
23AR148	3.0	0.6	1.9	4.1	2949.2	212.4	2521.4	3377.0
23CL1303	4.0	0.6	2.9	5.1	3893.4	212.4	3465.6	4321.2
23DGL070	7.7	0.6	6.6	8.8	6452.1	212.4	6024.3	6879.9
23DGL-001PV	9.0	0.6	7.9	9.0	4514.0	212.4	4086.2	4941.8
23DGL-002PV-10	8.7	0.6	7.6	9.0	6265.0	212.4	5837.2	6692.7
24AR1111	4.3	0.6	3.2	5.4	3136.4	212.4	2708.6	3564.2
24AR1134	3.3	0.6	2.2	4.4	2960.7	212.4	2532.9	3388.5
24AR2134	3.0	0.6	1.9	4.1	2957.7	212.4	2529.9	3385.5
24AR2139	3.3	0.6	2.2	4.4	2766.0	212.4	2338.2	3193.7
24DGL0631	7.7	0.6	6.6	8.8	5937.6	212.4	5509.8	6365.4
RU2102222	6.3	0.6	5.2	7.4	4407.8	212.4	3980.0	4835.6
RU2301045	3.7	0.6	2.6	4.8	3644.5	212.4	3216.8	4072.3

Table 12 – Estimated mean (Mean) and 95% confidence interval range (Lower and Upper) for grain yield from the second crop (Ratoon; lb/A), total milling yield (Total; %) and whole grain milling yield (Head; %) in the **Pre-Commercial Trial** planted on April 16 (**P2S2**). Crowley, LA, 2025.

Disease Units Description Genotype	Ratoon Lb/A Mean	Ratoon Lb/A Lower	Ratoon Lb/A Upper	Total % Mean	Total % Lower	Total % Upper	Head % Mean	Head % Lower	Head % Upper
CLL18	1501.5	1193.5	1809.5	66.8	64.0	69.7	40.0	34.1	46.0
CLL19	1773.5	1465.5	2081.4	67.7	64.9	70.6	39.6	33.7	45.5
DG263L				68.8	65.9	71.6	33.2	27.3	39.1
DG563PVL	555.9	4.1	1107.8	71.2	68.3	74.0	50.1	44.2	56.1
PVL03	1586.5	1278.5	1894.5	64.8	61.9	67.6	28.4	22.5	34.3
PVL04	1476.6	1168.6	1784.6	70.2	67.4	73.1	49.1	43.2	55.1
PVL05	1234.8	926.8	1542.8	63.8	61.0	66.7	31.1	25.1	37.0
PVL06	1777.1	1469.1	2085.1	67.5	64.6	70.3	31.9	26.0	37.8
201L1251	1805.5	1497.5	2113.5	64.8	61.9	67.6	26.6	20.7	32.5
211L1008	1722.7	1414.7	2030.7	70.5	67.7	73.4	50.0	44.0	55.9
222L1082	2335.9	2028.0	2643.9	65.7	62.8	68.5	36.8	30.8	42.7
223L1139	1686.2	1378.2	1994.2	68.9	66.1	71.8	46.2	40.3	52.1
223L1236	2190.4	1882.5	2498.4	65.7	62.8	68.5	31.5	25.6	37.5
23AR148	2187.7	1879.7	2495.6	65.3	62.4	68.1	24.9	19.0	30.9
23CL1303	1162.9	854.9	1470.9	68.7	65.9	71.6	41.2	35.3	47.2
23DGL070	911.5	603.5	1219.5	73.7	70.8	76.5	56.4	50.4	62.3
23DGL-001PV	611.5	59.7	1163.4	69.9	67.1	72.8	47.6	41.6	53.5
23DGL-002PV-10				70.4	66.9	74.0	53.2	45.9	60.6
24AR1111	1693.4	1385.4	2001.4	63.1	60.3	65.9	21.5	15.6	27.4
24AR1134	1989.3	1681.3	2297.2	63.3	60.5	66.2	31.8	25.8	37.7
24AR2134	1575.0	1267.0	1883.0	67.5	64.6	70.3	38.9	33.0	44.8
24AR2139	2072.1	1764.2	2380.1	63.1	60.2	65.9	27.2	21.2	33.1
24DGL0631	1115.3	563.5	1667.2	69.2	66.3	72.0	35.6	29.7	41.6
RU2102222	1548.2	1240.3	1856.2	68.7	65.8	71.5	43.9	38.0	49.8
RU2301045	2246.3	1938.3	2554.3	71.3	68.4	74.1	49.6	43.6	55.5

Row-Plots

For 2025 season row-plots planted on March 18, targeted sheath blight and bacterial panicle blight, and from May 14, targeting rotten neck blast, *Cercospora*, and smuts. Disease inoculation is done only for sheath blight and bacterial panicle blight, with sources of inoculum for the other diseases being natural. However, the studies are managed in a way to promote disease development. For example, for Rotten Neck Blast, *Cercospora*, and smuts, trials are planted later in the season, which increases the risk of disease development. In addition, for studies targeting blast, such as the May planting of row-plots and the upland nursery, blast-susceptible varieties (M201 and M202) are planted in borders and buffers to serve as inoculum spreaders. Disease intensity was significantly on for sheath blight, other diseases were estimated but results are not presented.

Table 13 – Summary of material and methods applied to row-plots.

Planting Date:	March 18 (First field) and May 14 (Third field)
Water Management	<i>First Field</i> - Flooded: April 29; Drained: July 19 <i>Third Field</i> - Flooded, June 17 Drained: September 6
Fertilization	Pre-planting - 250 lb/A of 0-24-24; Preflood 300 lb/A 46-0-0 urea
Herbicides	<i>First Field:</i> • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, February 4 • Command 6 fl oz/A, March 19 • Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Permit 1 oz/A, April 8 • Tank-Mix propanil 3 qt/A, Gambit 1.5 oz/A, April 26 <i>Third Field:</i> • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Tank-Mix Glyphosate 1 qt/A, First Shot 0.8 oz/A, April 22 • Command 6 fl oz/A, May 16 • Tank-Mix propanil 4 qt/A, Facet 1 qt/A, Prowl 1 qt/A, Permit 1 oz/A, Londax 1 oz/A, June 2
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>First Field:</i> • Sheath blight inoculation May 22th; • Bacterial panicle blight inoculation: June 13th, 16th, 20th, and 23rd
Ratings	<i>First Field:</i> Sheath blight and bacteria panicle blight: July 26-29 th <i>Third Field:</i> Neck Blast and others – Sep 12 th ; <i>Cercospora</i> : October 6-8 th
Comment	Disease in the third field fails to develop. Results not presented

Rows – Variety

Table 14 – Variety microplot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
AddiJo	2.5	0.55	1.41	3.59	PVL03	3.8	0.55	2.66	4.84
Avant	3.5	0.55	2.41	4.59	PVL04	5.3	0.55	4.16	6.34
Cheniere	2.5	0.55	1.41	3.59	RT3202	1.5	0.55	0.41	2.59
CL153	3.8	0.55	2.66	4.84	RT7301	1.5	0.55	0.41	2.59
CLHA03	4.0	0.55	2.91	5.09	RT7331 MA	1.5	0.55	0.41	2.59
CLJ01	1.5	0.55	0.41	2.59	RT7421 FP	1.0	0.55	0.00	2.09
CLL16	2.8	0.55	1.66	3.84	RT7521 FP	2.0	0.55	0.91	3.09
CLL18	1.0	0.55	0.00	2.09	RU1902034	4.5	0.55	3.41	5.59
CLL19	3.8	0.55	2.66	4.84	RU2102222	2.5	0.55	1.41	3.59
CLM04	1.3	0.55	0.16	2.34	Taurus	3.5	0.55	2.41	4.59
CLM05	3.8	0.55	2.66	4.84	Titan	3.0	0.55	1.91	4.09
Della2	3.3	0.55	2.16	4.34	Venus	4.0	0.55	2.91	5.09
DG245L	3.5	0.55	2.41	4.59	19T-029-4	4.3	0.55	3.16	5.34
DG263L	2.5	0.55	1.41	3.59	201L1251	3.3	0.55	2.16	4.34
DG353M	1.5	0.55	0.41	2.59	211L1008	4.3	0.55	3.16	5.34
DG563L-PV	3.5	0.55	2.41	4.59	211L1331	2.8	0.55	1.66	3.84
Fitzgerald	4.8	0.55	3.66	5.84	213L1140	4.3	0.55	3.16	5.34
Jazzman	1.8	0.55	0.66	2.84	222L1082	3.0	0.55	1.91	4.09
Jupiter	2.5	0.55	1.41	3.59	222M1096	3.3	0.55	2.16	4.34
Mermentau	2.5	0.55	1.41	3.59	23AR2134	1.8	0.55	0.66	2.84
MP6_295	2.5	0.55	1.41	3.59	23DGL-001PV	5.8	0.55	4.66	6.84
Ozark	1.3	0.55	0.16	2.34	23DGL070	2.8	0.55	1.66	3.84

Rows – Pre-Commercial

Table 15 – Pre-Commercial row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper
Genotype				
CLL18	6.0	0.97	4.03	8.01
CLL19	9.0	1.75	5.35	9.00
DG263L	8.0	0.97	6.01	9.00
DG563PVL	7.5	1.21	5.00	9.00
PVL03	8.9	1.72	5.38	9.00
PVL04	6.9	1.21	4.45	9.00
PVL05	8.0	0.82	6.30	9.00
PVL06	5.5	1.20	3.04	8.00
201L1251	8.0	1.73	4.48	9.00
211L1008	8.9	1.72	5.38	9.00
222L1082	7.5	1.20	5.04	9.00
223L1139	8.1	1.75	4.49	9.00
223L1236	8.1	1.75	4.49	9.00
23AR148	5.0	0.82	3.30	6.70
23CL1303	5.0	1.20	2.54	7.50
23DGL070	8.0	1.75	4.35	9.00
23DGL-001PV	9.0	1.20	6.54	9.00
23DGL-002PV-10	7.5	1.20	5.00	9.00
24AR1111	5.7	0.97	3.70	7.68
24AR1134	4.9	1.72	1.38	8.47
24AR2134	4.1	1.75	0.49	7.68
24AR2139	3.7	0.97	1.66	5.65
24DGL0631	7.7	0.97	5.70	9.00
RU2102222	6.0	1.73	2.48	9.00
RU2301045	6.0	0.97	4.00	7.98

Rows – URRN

Table 16 – Uniform Regional Rice Nursery (URRN) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
RU1603178	7.0	0.72	5.58	8.42	RU2501028	6.4	0.72	4.96	7.79
RU1901033	6.8	0.72	5.33	8.17	RU2501029	6.3	0.72	4.83	7.67
RU1902026	8.5	0.72	7.08	9.00	RU2501030	5.8	0.72	4.33	7.17
RU1902212	9.0	0.72	7.58	9.00	RU2502011	5.3	0.72	3.83	6.67
RU2001093	6.6	0.72	5.21	8.04	RU2502012	6.0	0.72	4.58	7.42
RU2001185	5.8	0.72	4.33	7.17	RU2502014	8.0	0.72	6.58	9.00
RU2002074	8.3	0.72	6.83	9.00	RU2502015	7.8	0.72	6.33	9.00
RU2101234	7.8	0.72	6.33	9.00	RU2502017	7.0	0.72	5.58	8.42
RU2102020	7.3	0.72	5.83	8.67	RU2502018	7.3	0.72	5.83	8.67
RU2302010	7.3	0.72	5.83	8.67	RU2502019	7.3	0.72	5.83	8.67
RU2306047	4.4	0.72	2.96	5.79	RU2502020	6.8	0.72	5.33	8.17
RU2306048	3.0	0.72	1.58	4.42	RU2503001	6.3	0.72	4.83	7.67
RU2401024	5.8	0.72	4.33	7.17	RU2503002	7.4	0.72	5.96	8.79
RU2401026	6.5	0.72	5.08	7.92	RU2503003	4.0	0.72	2.58	5.42
RU2402013	8.5	0.72	7.08	9.00	RU2503004	5.0	0.72	3.58	6.42
RU2501021	5.3	0.72	3.83	6.67	RU2503005	4.4	0.72	2.96	5.79
RU2501022	4.8	0.72	3.33	6.17	RU2503006	5.5	0.72	4.08	6.92
RU2501023	8.0	0.72	6.58	9.00	RU2503007	6.0	0.72	4.58	7.42
RU2501025	5.6	0.72	4.21	7.04	RU2503008	7.5	0.72	6.08	8.92
RU2501027	6.8	0.72	5.33	8.17	RU9903092	7.3	0.72	5.83	8.67

AYT-Conventional

Table 17 – Advanced Yield Trials - Conventional (AYT-CN) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
19T-176-CONV-36	5.0	5.44	2.32	7.68	231M1102	6.3	5.44	3.65	9.00
19T-218-43	7.0	5.44	4.32	9.00	231M1103	5.0	5.44	2.32	7.68
19T-238-13	5.7	5.44	2.98	8.35	23AR151	5.3	5.44	2.65	8.02
19T-238-62	7.3	5.44	4.65	9.00	23DGL1089	6.3	5.44	3.65	9.00
201L1251	7.3	5.44	4.65	9.00	23DGL088	7.0	5.44	4.32	9.00
211L1008	8.3	5.44	5.65	9.00	23DGL090	5.3	5.44	2.65	8.02
211L1331	5.7	5.44	2.98	8.35	23DGL5010	6.7	5.44	3.98	9.00
221L1002	6.0	5.44	3.32	8.68	24DGL0631	6.3	5.44	3.65	9.00
221L1013	7.0	5.44	4.32	9.00	Avant	8.0	5.44	5.32	9.00
221L1087	5.3	5.44	2.65	8.02	Cheniere	5.7	5.44	2.98	8.35
231L1082	7.7	5.44	4.98	9.00	CLL19	8.7	5.44	5.98	9.00
231L1085	8.3	5.44	5.65	9.00	CLM05	7.3	5.44	4.65	9.00
231L1086	8.3	5.44	5.65	9.00	DG263L	7.3	5.44	4.65	9.00
231L1103	6.3	5.44	3.65	9.00	Jupiter	6.0	5.44	3.32	8.68
231L1241	7.0	5.44	4.32	9.00	MP6_295	8.0	5.44	5.32	9.00
231L1243	7.3	5.44	4.65	9.00	PVL03	8.0	5.44	5.32	9.00
231L1261	5.3	5.44	2.65	8.02	RU2301045	3.7	5.44	0.98	6.35
231M1056	3.0	5.44	0.32	5.68	Taurus	6.0	5.44	3.32	8.68
231M1075	6.7	5.44	3.98	9.00	Titan	6.0	5.44	3.32	8.68
231M1076	3.3	5.44	0.65	6.02	Venus	5.0	5.44	2.32	7.68

AYT-Clearfield

Table 18 – Advanced Yield Trials - Clearfield (AYT-CL) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
19T-029-4	8.3	0.66	7.02	9.00	232L1242	8.7	0.66	7.35	9.00
19T-033-38	5.7	0.66	4.35	6.98	232L1268	9.0	0.66	7.69	9.00
19T-033-63	8.7	0.66	7.35	9.00	232M1044	7.0	0.66	5.69	8.31
19T-176-CONV-10	7.3	0.66	6.02	8.65	232M1070	6.0	0.66	4.69	7.31
19T-176-CONV-38	7.3	0.66	6.02	8.65	232M1097	7.0	0.66	5.69	8.31
19T-179-23	6.0	0.66	4.69	7.31	232M1114	6.7	0.66	5.35	7.98
19T-183-CL-1	5.7	0.66	4.35	6.98	24AR1136	7.7	0.66	6.35	8.98
19T-183-CL-6	7.3	0.66	6.02	8.65	24DGL-5659CL	7.3	0.66	6.02	8.65
212L2252	7.3	0.66	6.02	8.65	24DGL-5664CL	7.0	0.66	5.69	8.31
222A2014	9.0	0.66	7.69	9.00	24DGL-5676CL	7.0	0.66	5.69	8.31
222L1082	8.0	0.66	6.69	9.00	24DGL-56784CL	7.3	0.66	6.02	8.65
222L1147	7.0	0.66	5.69	8.31	24DGL-5786CL	7.0	0.66	5.69	8.31
222L1161	6.7	0.66	5.35	7.98	CL153	7.7	0.66	6.35	8.98
222M1096	6.3	0.66	5.02	7.65	CLJ01	7.3	0.66	6.02	8.65
232L1074	7.7	0.66	6.35	8.98	CLL18	7.0	0.66	5.69	8.31
232L1170	6.7	0.66	5.35	7.98	CLL19	9.0	0.66	7.69	9.00
232L1171	7.0	0.66	5.69	8.31	CLM04	6.7	0.66	5.35	7.98
232L1187	6.7	0.66	5.35	7.98	CLM05	7.3	0.66	6.02	8.65
232L1210	6.7	0.66	5.35	7.98	MP8_379	8.0	0.66	6.69	9.00
232L1225	9.0	0.66	7.69	9.00	RU2102222	5.7	0.66	4.35	6.98

AYT-Provisia

Table 19 – Advanced Yield Trials - Provisia (AYT-PV) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
PVL03	7.0	1.3	4.38	9.00	233L1228	5.3	1.3	2.72	7.95
19T-262-55	5.0	1.3	2.38	7.62	233L1237	5.7	1.3	3.05	8.28
213L1130	6.7	1.3	4.05	9.00	233L1262	8.0	1.3	5.38	9.00
213L1140	5.3	1.3	2.72	7.95	233L1268	7.0	1.3	4.38	9.00
223L1065	7.0	1.3	4.38	9.00	23AR2111	6.0	1.3	3.38	8.62
223L1139	4.0	1.3	1.38	6.62	23AR2205	7.0	1.3	4.38	9.00
223L1213	6.0	1.3	3.38	8.62	23DGL-001PV	8.7	1.3	6.05	9.00
223L1216	6.7	1.3	4.05	9.00	23DGL-002PV-10	7.3	1.3	4.72	9.00
223L1236	6.7	1.3	4.05	9.00	23DGL-007PV-2	6.7	1.3	4.05	9.00
233L1063	5.0	1.3	2.38	7.62	24AR2120	4.3	1.3	1.72	6.95
233L1074	3.7	1.3	1.05	6.28	24DGL-4464PV	6.7	1.3	4.05	9.00
233L1079	6.3	1.3	3.72	8.95	DG563L-PV	5.7	1.3	3.05	8.28
233L1081	6.7	1.3	4.05	9.00	PVL04	4.7	1.3	2.05	7.28
233L1085	7.7	1.3	5.05	9.00	RU1902227-PV-001-bulk	6.7	1.3	4.05	9.00
233L1088	6.7	1.3	4.05	9.00	DG263L-PV-010-bulk	6.7	1.3	4.05	9.00
233L1089	7.7	1.3	5.05	9.00	DG263L-PV-012-bulk	4.7	1.3	2.05	7.28
233L1093	7.3	1.3	4.72	9.00	DG263L-PV-014-bulk	4.0	1.3	1.38	6.62
233L1095	7.0	1.3	4.38	9.00	191M1192-PV-002-bulk	6.7	1.3	4.05	9.00

RYT-Conventional

Table 20 – Regional Yield Trials - Conventional (RYT-CN) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
202L2141	3.0	0.94	1.11	4.89	242L1347	2.5	0.94	0.61	4.39
242L1001	3.5	0.94	1.61	5.39	242L1354	2.5	0.94	0.61	4.39
242L1004	1.5	0.94	0.00	3.39	242L1357	2.0	0.94	0.11	3.89
242L1010	6.5	0.94	4.61	8.39	242L2006	4.0	0.94	2.11	5.89
242L1038	5.0	0.94	3.11	6.89	242L1322	3.5	0.94	1.61	5.39
242L1040	2.0	0.94	0.11	3.89	242L2116	5.5	0.94	3.61	7.39
242L1063	3.0	0.94	1.11	4.89	242L2118	5.0	0.94	3.11	6.89
242L1086	2.0	0.94	0.11	3.89	242L2120	2.0	0.94	0.11	3.89
242L1094	2.0	0.94	0.11	3.89	242L2123	0.5	0.94	0.00	2.39
242L1096	4.0	0.94	2.11	5.89	242L2125	3.0	0.94	1.11	4.89
242L1124	1.5	0.94	0.00	3.39	242L2141	3.5	0.94	1.61	5.39
242L1125	4.0	0.94	2.11	5.89	242L2146	3.5	0.94	1.61	5.39
242L1130	5.0	0.94	3.11	6.89	242L2149	2.0	0.94	0.11	3.89
242L1132	3.0	0.94	1.11	4.89	242L2159	2.5	0.94	0.61	4.39
242L1141	2.5	0.94	0.61	4.39	242L3012	3.5	0.94	1.61	5.39
242L1149	3.5	0.94	1.61	5.39	242L3017	3.0	0.94	1.11	4.89
242L1151	4.0	0.94	2.11	5.89	242L3020	1.5	0.94	0.00	3.39
242L1154	4.0	0.94	2.11	5.89	242L3026	2.5	0.94	0.61	4.39
242L1156	2.0	0.94	0.11	3.89	242M1006	2.5	0.94	0.61	4.39
242L1163	3.0	0.94	1.11	4.89	242M1008	2.5	0.94	0.61	4.39
242L1194	4.5	0.94	2.61	6.39	242M1017	0.5	0.94	0.00	2.39
242L1210	2.5	0.94	0.61	4.39	242M1019	1.5	0.94	0.00	3.39
242L1222	3.5	0.94	1.61	5.39	242M1097	1.5	0.94	0.00	3.39
242L1223	2.5	0.94	0.61	4.39	242M1105	1.0	0.94	0.00	2.89
242L1228	2.0	0.94	0.11	3.89	242M1108	1.5	0.94	0.00	3.39
242L1239	2.5	0.94	0.61	4.39	242M1115	3.8	1.31	1.14	6.36
242L1265	4.0	0.94	2.11	5.89	242M1120	5.0	0.94	3.11	6.89
242L1272	5.0	0.94	3.11	6.89	242M1128	5.0	0.94	3.11	6.89
242L1274	1.5	0.94	0.00	3.39	242M1135	1.0	0.94	0.00	2.89
242L1278	3.0	0.94	1.11	4.89	242M1138	4.5	0.94	2.61	6.39

Continued

Table 20. Continued

Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper	Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper
242L1281	6.0	0.94	4.11	7.89	242M1141	4.0	0.94	2.11	5.89
242L1282	3.0	0.94	1.11	4.89	CL153	6.0	0.94	4.11	7.89
242L1289	4.5	0.94	2.61	6.39	CLL16	3.5	0.94	1.61	5.39
242L1291	3.5	0.94	1.61	5.39	CLL18	3.0	0.94	1.11	4.89
242L1292	4.5	0.94	2.61	6.39	CLL19	0.0	1.31	0.00	2.36
242L1307	4.5	0.94	2.61	6.39	CLM04	4.5	0.94	2.61	6.39
242L1314	3.0	0.94	1.11	4.89	CLM05	2.5	0.94	0.61	4.39
242L1321	2.5	0.94	0.61	4.39					

RYT-Clearfield

Table 21 – Regional Yield Trials - Clearfield (RYT-CL) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
202L2141	4.0	0.82	2.36	5.64	242L1322	4.5	0.82	2.86	6.14
242L1001	3.5	0.82	1.86	5.14	242L1347	5.5	0.82	3.86	7.14
242L1004	5.0	0.82	3.36	6.64	242L1354	2.0	0.82	0.36	3.64
242L1010	4.0	0.82	2.36	5.64	242L1357	5.5	0.82	3.86	7.14
242L1038	3.0	0.82	1.36	4.64	242L2006	2.0	0.82	0.36	3.64
242L1040	3.5	0.82	1.86	5.14	242L2116	4.0	0.82	2.36	5.64
242L1063	1.0	0.82	0.00	2.64	242L2118	2.0	0.82	0.36	3.64
242L1086	3.0	0.82	1.36	4.64	242L2120	5.5	0.82	3.86	7.14
242L1094	4.5	0.82	2.86	6.14	242L2123	5.5	0.82	3.86	7.14
242L1096	5.5	0.82	3.86	7.14	242L2125	4.0	0.82	2.36	5.64
242L1124	6.0	0.82	4.36	7.64	242L2141	2.5	0.82	0.86	4.14
242L1125	4.5	0.82	2.86	6.14	242L2146	4.5	0.82	2.86	6.14
242L1130	6.0	0.82	4.36	7.64	242L2149	3.0	0.82	1.36	4.64
242L1132	5.0	0.82	3.36	6.64	242L2159	3.5	0.82	1.86	5.14
242L1141	5.0	0.82	3.36	6.64	242L3012	1.5	0.82	0.00	3.14
242L1149	5.0	0.82	3.36	6.64	242L3017	3.0	0.82	1.36	4.64
242L1151	6.0	0.82	4.36	7.64	242L3020	4.0	0.82	2.36	5.64
242L1154	3.5	0.82	1.86	5.14	242L3026	6.0	0.82	4.36	7.64
242L1156	5.0	0.82	3.36	6.64	242M1006	2.0	0.82	0.36	3.64
242L1163	2.0	0.82	0.36	3.64	242M1008	3.0	0.82	1.36	4.64
242L1194	4.0	0.82	2.36	5.64	242M1017	1.0	0.82	0.00	2.64
242L1210	5.5	0.82	3.86	7.14	242M1019	3.0	0.82	1.36	4.64
242L1222	4.5	0.82	2.86	6.14	242M1097	2.5	0.82	0.86	4.14
242L1223	2.5	0.82	0.86	4.14	242M1105	2.0	0.82	0.36	3.64
242L1228	5.5	0.82	3.86	7.14	242M1108	3.0	0.82	1.36	4.64
242L1239	2.0	0.82	0.36	3.64	242M1115	1.5	0.82	0.00	3.14
242L1265	5.0	0.82	3.36	6.64	242M1120	2.5	0.82	0.86	4.14
242L1272	5.0	0.82	3.36	6.64	242M1128	2.0	0.82	0.36	3.64
242L1274	4.0	0.82	2.36	5.64	242M1135	1.0	0.82	0.00	2.64
242L1278	7.5	0.82	5.86	9.00	242M1138	1.5	0.82	0.00	3.14

Continued

Table 21. Continued

Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper	Disease Units Description Genotype	SB 0-9 Mean	SB 0-9 SE	SB 0-9 Lower	SB 0-9 Upper
242L1281	4.5	0.82	2.86	6.14	242M1141	4.0	0.82	2.36	5.64
242L1282	5.5	0.82	3.86	7.14	CL153	5.0	0.82	3.36	6.64
242L1289	4.0	0.82	2.36	5.64	CLL16	2.5	0.82	0.86	4.14
242L1291	3.0	0.82	1.36	4.64	CLL18	2.0	0.82	0.36	3.64
242L1292	4.0	0.82	2.36	5.64	CLL19	5.5	0.82	3.86	7.14
242L1307	5.5	0.82	3.86	7.14	CLM04	3.0	0.82	1.36	4.64
242L1314	4.5	0.82	2.86	6.14	CLM05	2.5	0.82	0.86	4.14
242L1321	2.5	0.82	0.86	4.14					

R YT-Provisia

Table 22 – Regional Yield Trials - Provisia (R YT-PV) row-plot trials for sheath blight (SB), standard error (SE), and lower and upper range of 95% confidence interval (Lower and Upper, respectively), Crowley, LA, 2025. Disease rate on 0 to 9 scale, with 0 representing no disease and 9 maximum disease severity. Other diseases failed to develop on significant levels.

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
PVL03	4.5	1.2	2.10	6.90	243L1249	3.5	1.2	1.10	5.90
PVL04	5.0	1.2	2.60	7.40	243L1257	3.0	1.2	0.60	5.40
213L1140	4.0	1.2	1.60	6.40	243L1258	1.0	1.2	0.00	3.40
23AR2205	3.5	1.2	1.10	5.90	243L1262	2.5	1.2	0.10	4.90
243A1180	5.0	1.2	2.60	7.40	243L1263	2.0	1.2	0.00	4.40
243A1184	2.0	1.2	0.00	4.40	243L1264	1.5	1.2	0.00	3.90
243A1186	4.0	1.2	1.60	6.40	243L1266	3.5	1.2	1.10	5.90
243L1007	3.0	1.2	0.60	5.40	243L1267	3.5	1.2	1.10	5.90
243L1011	1.5	1.2	0.00	3.90	243L1270	1.0	1.2	0.00	3.40
243L1022	3.0	1.2	0.60	5.40	243L1278	1.0	1.2	0.00	3.40
243L1025	4.0	1.2	1.60	6.40	243L1295	4.5	1.2	2.10	6.90
243L1037	5.0	1.2	2.60	7.40	243L1299	2.0	1.2	0.00	4.40
243L1069	3.0	1.2	0.60	5.40	243L1300	2.5	1.2	0.10	4.90
243L1072	6.5	1.2	4.10	8.90	243L1302	2.0	1.2	0.00	4.40
243L1073	4.5	1.2	2.10	6.90	243L1304	1.5	1.2	0.00	3.90
243L1074	3.0	1.2	0.60	5.40	243L1306	3.5	1.2	1.10	5.90
243L1077	4.5	1.2	2.10	6.90	243L1315	3.5	1.2	1.10	5.90
243L1089	2.0	1.2	0.00	4.40	243L1318	2.0	1.2	0.00	4.40
243L1097	3.0	1.2	0.60	5.40	243L1322	2.5	1.2	0.10	4.90
243L1100	2.0	1.2	0.00	4.40	243L1326	3.0	1.2	0.60	5.40
243L1112	3.5	1.2	1.10	5.90	243L1348	2.0	1.2	0.00	4.40
243L1115	4.0	1.2	1.60	6.40	243L1349	5.0	1.2	2.60	7.40
243L1124	3.0	1.2	0.60	5.40	243L2007	4.0	1.2	1.60	6.40
243L1128	4.5	1.2	2.10	6.90	243L2012	4.0	1.2	1.60	6.40
243L1141	2.0	1.2	0.00	4.40	243L2021	3.0	1.2	0.60	5.40
243L1148	3.5	1.2	1.10	5.90	243L2022	5.5	1.2	3.10	7.90
243L1197	5.0	1.2	2.60	7.40	243L3067	3.5	1.2	1.10	5.90
243L1198	3.5	1.2	1.10	5.90	243L3068	3.0	1.2	0.60	5.40
243L1202	3.0	1.2	0.60	5.40	243L3079	1.0	1.2	0.00	3.40

Continued

Table 22. Continued

Disease	SB	SB	SB	SB	Disease	SB	SB	SB	SB
Units	0-9	0-9	0-9	0-9	Units	0-9	0-9	0-9	0-9
Description	Mean	SE	Lower	Upper	Description	Mean	SE	Lower	Upper
Genotype					Genotype				
243L1204	1.5	1.2	0.00	3.90	DG263L-PV-011-sub1	2.0	1.2	0.00	4.40
243L1208	2.5	1.2	0.10	4.90	Fitzgerald-PV-001-sub2	4.5	1.2	2.10	6.90
243L1212	1.5	1.2	0.00	3.90	Fitzgerald-PV-002-sub1	5.0	1.2	2.60	7.40
243L1230	2.5	1.2	0.10	4.90	Fitzgerald-PV-006-sub2	3.5	1.2	1.10	5.90
243L1231	3.5	1.2	1.10	5.90	Jazzman-PV-002-sub2	1.5	1.2	0.00	3.90
243L1232	5.0	1.2	2.60	7.40	191M1192-PV-001-sub3	4.0	1.2	1.60	6.40
243L1236	2.0	1.2	0.00	4.40	191M1192-PV-002-sub1	5.0	1.2	2.60	7.40

Disease Management

Sheath Blight Fungicide Panel

The Sheath Blight Fungicide Panel was designed to evaluate fungicides that are either labeled or have potential for registration for sheath blight control under identical field conditions. Product samples were requested from manufacturers regardless of whether the products were actively marketed to rice growers and were provided at no cost to the Rice Pathology Program. Only one formulation per active ingredient was included, based on the assumption that generic products would exhibit comparable performance. The experiment was conducted twice. Additional details are provided in the tables below.

Fungicide Panel Trial 1 (P1S3)

Table 23 – Summary of material and methods applied to Fungicide Panel Trial 1 (P1S3), Crawley, 2025.

Planting Date:	March 18
Variety and Seed Rate	PVL03; 100 lb/a
Water Management	Flush: March 20 and April 15 Flooded: April 30 (main crop); August 12 (ratoon) Drained: July 18 (main crop); October 16 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (April 30, 2025) Ratoon: 46-0- 0 [urea] - 250 lb/A (August 11, 2025)
Herbicides	• Command 6 fl oz/A, March 14 • Propanil 4 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, April 16 • Propanil 3 qt/A, Permit 1/3 oz/A, Londax 1.5 oz/A, Hook (NIS) 2.5 fl oz/A, May 1
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, May 22
Ratings	Sheath Blight: July 21
Harvest	August 3 (Main crop) and October 31 (Ratoon)
Application Conditions	Boot Stage (B) • <i>Date and Time:</i> June 19, 8:30 AM • <i>Weather:</i> Temp: 82° F; RH: 84%; Wind Speed: 4-6 mph; Clouds: Sunny Heading Stage (H) • <i>Date and Time:</i> June 25, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 88%; Wind Speed: 3-4 mph; Clouds: Sunny

Table 24 – Sheath Blight severity (0-9) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 1** planted on March 18 (**P1S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean 0-9	SE 0-9	Lower 0-9	Upper 0-9
1	Untreated	---	--	--	7.03	0.78	5.44	8.62
2	Quadris	Azoxystrobin	B	12.5	4.73	0.78	3.14	6.32
3	Flint Extra	Trifloxystrobin	B	4.7	4.77	0.78	3.18	6.36
4	Elegia	Flutolanil	B	32	5.93	0.78	4.34	7.52
5	Sercadis	Fluxapyroxad	B	6.8	5.23	0.78	3.64	6.82
6	Tilt	Propiconazole	B	10	6.60	0.78	5.01	8.19
7	Prozio	Prothioconazole	B	4.5	6.17	0.78	4.58	7.76
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	5.20	0.78	3.61	6.79
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	4.67	0.78	3.08	6.26
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	2.63	0.78	1.04	4.22
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	3.93	0.78	2.34	5.52
12	Quadris	Azoxystrobin	B	12.5	3.90	0.78	2.31	5.49
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	6.07	0.78	4.48	7.66
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	5.63	0.78	4.04	7.22
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	3.50	0.78	1.91	5.09
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	3.27	0.78	1.68	4.86
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	5.07	0.78	3.48	6.66

Table 25 – Main crop grain yield (lb/a) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 1** planted on March 18 (**P1S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	Untreated	---	--	--	6755.4	290.3	6165.0	7345.7
2	Quadris	Azoxystrobin	B	12.5	6987.3	290.3	6397.0	7577.7
3	Flint Extra	Trifloxystrobin	B	4.7	6836.8	290.3	6246.4	7427.1
4	Elegia	Flutolanil	B	32	7135.4	290.3	6545.0	7725.7
5	Sercadis	Fluxapyroxad	B	6.8	7003.1	290.3	6412.7	7593.4
6	Tilt	Propiconazole	B	10	7444.2	290.3	6853.8	8034.6
7	Prozio	Prothioconazole	B	4.5	7127.0	290.3	6536.6	7717.3
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	7051.6	290.3	6461.3	7642.0
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	7317.8	290.3	6727.5	7908.2
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	7296.0	290.3	6705.6	7886.4
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	7380.6	290.3	6790.2	7970.9
12	Quadris	Azoxystrobin	B	12.5	7339.6	290.3	6749.2	7929.9
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	6785.8	290.3	6195.4	7376.1
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	6800.4	290.3	6210.0	7390.8
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	7315.2	290.3	6724.8	7905.5
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	7378.5	290.3	6788.1	7968.8
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	6441.3	290.3	5851.0	7031.7

Table 26 – Ratoon crop grain yield (lb/a) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 1** planted on March 18 (P1S3). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	Untreated	---	--	--	3594.3	179.7	3228.7	3959.9
2	Quadris	Azoxystrobin	B	12.5	3797.8	179.7	3432.2	4163.4
3	Flint Extra	Trifloxystrobin	B	4.7	3580.6	179.7	3215.1	3946.2
4	Elegia	Flutolanil	B	32	3792.7	179.7	3427.1	4158.3
5	Sercadis	Fluxapyroxad	B	6.8	3551.6	179.7	3186.0	3917.1
6	Tilt	Propiconazole	B	10	3656.5	224.6	3199.6	4113.5
7	Prozio	Prothioconazole	B	4.5	3461.5	179.7	3095.9	3827.1
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	3663.3	179.7	3297.7	4028.8
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	3923.6	179.7	3558.0	4289.2
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	4042.6	179.7	3677.0	4408.2
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	3691.1	179.7	3325.5	4056.7
12	Quadris	Azoxystrobin	B	12.5	3620.3	179.7	3254.8	3985.9
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	3715.4	179.7	3349.8	4080.9
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	3661.5	179.7	3296.0	4027.1
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	3900.9	179.7	3535.3	4266.5
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	3372.5	179.7	3006.9	3738.1
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	3624.4	179.7	3258.9	3990.0

Table 27 – Milling yield - Total (%) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 1** planted on March 18 (**P1S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean %	SE %	Lower %	Upper %
1	Untreated	---	--	--	71.2	0.3	70.6	71.8
2	Quadris	Azoxystrobin	B	12.5	71.4	0.3	70.8	72.0
3	Flint Extra	Trifloxystrobin	B	4.7	71.7	0.3	71.1	72.3
4	Elegia	Flutolanil	B	32	71.8	0.3	71.2	72.4
5	Sercadis	Fluxapyroxad	B	6.8	71.3	0.3	70.7	71.9
6	Tilt	Propiconazole	B	10	72.1	0.3	71.5	72.7
7	Prozio	Prothioconazole	B	4.5	70.7	0.3	70.1	71.3
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	71.9	0.3	71.3	72.5
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	71.5	0.3	70.9	72.1
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	71.2	0.3	70.6	71.8
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	71.2	0.3	70.6	71.8
12	Quadris	Azoxystrobin	B	12.5	71.4	0.3	70.8	72.0
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	71.5	0.3	70.9	72.1
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	71.5	0.3	70.9	72.1
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	71.5	0.3	70.9	72.1
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	71.0	0.3	70.4	71.6
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	71.7	0.3	71.1	72.3

Table 28 – Milling yield - Head (%) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 1** planted on March 18 (**P1S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean %	SE %	Lower %	Upper %
1	Untreated	---	--	--	54.1	0.9	52.2	56.0
2	Quadris	Azoxystrobin	B	12.5	53.2	0.9	51.3	55.1
3	Flint Extra	Trifloxystrobin	B	4.7	56.1	0.9	54.2	58.0
4	Elegia	Flutolanil	B	32	53.9	0.9	52.0	55.8
5	Sercadis	Fluxapyroxad	B	6.8	53.8	0.9	51.9	55.7
6	Tilt	Propiconazole	B	10	55.0	0.9	53.0	56.9
7	Prozio	Prothioconazole	B	4.5	50.3	0.9	48.4	52.2
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	54.9	0.9	53.0	56.8
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	54.0	0.9	52.0	55.9
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	53.6	0.9	51.7	55.6
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	54.0	0.9	52.0	55.9
12	Quadris	Azoxystrobin	B	12.5	54.4	0.9	52.5	56.3
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	54.1	0.9	52.2	56.0
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	54.1	0.9	52.2	56.0
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	54.8	0.9	52.8	56.7
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	52.0	0.9	50.0	53.9
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	54.9	0.9	53.0	56.8

Fungicide Panel Trial 2 (P2S3)

Table 29 – Summary of material and methods applied to **Fungicide Panel Trial 2 (P2S3)**, Crawley, 2025.

Planting Date:	April 16
Variety and Seed Rate	PVL03; 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: May 26 (main crop); September 4 (ratoon) Drained: August 15 (main crop); November 3 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (May 23, 2025) Ratoon: 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Command 6 fl oz/A, April 16 • Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 • Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet 1/2 lbs/A, April 26 • Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, June 12
Ratings	Sheath Blight: August 19
Harvest	August 28 (Main crop) and November 3 (Ratoon)
Application Conditions	Boot Stage (B) • <i>Date and Time:</i> July 3, 8:15 AM • <i>Weather:</i> Temp: 89° F; RH: 70%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy Heading Stage (H) • <i>Date and Time:</i> July 15, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 75%; Wind Speed: light; Clouds: Sunny
Comments	Developmental issues were noted throughout the entire field early on in the season. These challenges were not specific to any single treatment or trial. While the precise cause is still unclear, it is hypothesized that nitrogen loss from pre-flood fertilization played a role. This stress led to lower yields, reduced grain quality, and decreased disease pressure because of a less dense canopy.

Table 30 – Sheath Blight severity (0-9) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 2** planted on April 16 (**P2S3**). Crowley, LA, 2025.

Description					Mean	SE	Lower	Upper
Units					0-9	0-9	0-9	0-9
Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)				
1	Untreated	---	--	--	1.72	0.29	1.13	2.31
2	Quadris	Azoxystrobin	B	12.5	1.39	0.29	0.80	1.98
3	Flint Extra	Trifloxystrobin	B	4.7	0.72	0.29	0.13	1.31
4	Elegia	Flutolanil	B	32	1.83	0.29	1.24	2.42
5	Sercadis	Fluxapyroxad	B	6.8	1.50	0.29	0.91	2.09
6	Tilt	Propiconazole	B	10	1.67	0.29	1.08	2.26
7	Prozio	Prothioconazole	B	4.5	1.22	0.29	0.63	1.81
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	1.72	0.29	1.13	2.31
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	1.22	0.29	0.63	1.81
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	0.78	0.29	0.19	1.37
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	1.06	0.29	0.47	1.64
12	Quadris	Azoxystrobin	B	12.5	0.78	0.29	0.19	1.37
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	0.83	0.29	0.24	1.42
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	0.72	0.29	0.13	1.31
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	1.50	0.29	0.91	2.09
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	0.72	0.29	0.13	1.31
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	0.94	0.29	0.36	1.53

Table 31 – Main crop grain yield (lb/a) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 2** planted on April 16 (**P2S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	Untreated	---	--	--	3194.0	233.2	2720.1	3667.8
2	Quadris	Azoxystrobin	B	12.5	3453.7	233.2	2979.9	3927.5
3	Flint Extra	Trifloxystrobin	B	4.7	4012.5	233.2	3538.7	4486.3
4	Elegia	Flutolanil	B	32	3740.6	233.2	3266.8	4214.5
5	Sercadis	Fluxapyroxad	B	6.8	4290.6	233.2	3816.8	4764.4
6	Tilt	Propiconazole	B	10	3489.0	233.2	3015.2	3962.8
7	Prozio	Prothioconazole	B	4.5	3587.3	233.2	3113.5	4061.1
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	4003.7	233.2	3529.9	4477.5
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	3938.7	233.2	3464.9	4412.5
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	3815.7	233.2	3341.9	4289.5
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	3288.1	233.2	2814.3	3761.9
12	Quadris	Azoxystrobin	B	12.5	3746.2	233.2	3272.4	4220.0
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	3387.6	233.2	2913.8	3861.5
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	3481.5	233.2	3007.7	3955.3
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	4036.5	233.2	3562.6	4510.3
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	3652.0	233.2	3178.2	4125.8
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	3685.4	233.2	3211.6	4159.2

Table 32 – Ratoon crop grain yield (lb/a) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 2** planted on April 16 (**P2S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	Untreated	---	--	--	1764.1	139.4	1480.8	2047.4
2	Quadris	Azoxystrobin	B	12.5	1997.3	139.4	1714.0	2280.6
3	Flint Extra	Trifloxystrobin	B	4.7	2001.5	139.4	1718.2	2284.8
4	Elegia	Flutolanil	B	32	1885.3	139.4	1601.9	2168.6
5	Sercadis	Fluxapyroxad	B	6.8	2019.6	139.4	1736.3	2302.9
6	Tilt	Propiconazole	B	10	1884.5	139.4	1601.2	2167.9
7	Prozio	Prothioconazole	B	4.5	2092.8	139.4	1809.5	2376.1
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	2095.0	139.4	1811.7	2378.3
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	2131.6	139.4	1848.3	2415.0
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	1917.3	139.4	1634.0	2200.6
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	1893.1	139.4	1609.8	2176.4
12	Quadris	Azoxystrobin	B	12.5	2115.6	139.4	1832.3	2398.9
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	1964.7	139.4	1681.4	2248.0
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	2182.9	139.4	1899.5	2466.2
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	2232.8	139.4	1949.5	2516.1
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	1858.7	139.4	1575.4	2142.0
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	2069.5	139.4	1786.2	2352.8

Table 33 – Milling yield - Total (%) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 2** planted on April 16 (**P2S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean %	SE %	Lower %	Upper %
1	Untreated	---	--	--	67.83	0.64	66.45	69.22
2	Quadris	Azoxystrobin	B	12.5	69.24	0.64	67.86	70.63
3	Flint Extra	Trifloxystrobin	B	4.7	68.52	0.64	67.13	69.90
4	Elegia	Flutolanil	B	32	68.89	0.64	67.50	70.28
5	Sercadis	Fluxapyroxad	B	6.8	69.16	0.64	67.77	70.55
6	Tilt	Propiconazole	B	10	68.05	0.64	66.66	69.44
7	Prozio	Prothioconazole	B	4.5	67.87	0.64	66.49	69.26
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	68.81	0.64	67.43	70.20
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	68.04	0.64	66.65	69.43
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	67.54	0.64	66.15	68.92
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	66.54	0.64	65.15	67.92
12	Quadris	Azoxystrobin	B	12.5	67.60	0.64	66.21	68.99
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	67.19	0.64	65.80	68.57
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	68.21	0.64	66.82	69.59
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	69.03	0.64	67.64	70.41
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	67.89	0.64	66.51	69.28
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	66.93	0.64	65.54	68.31

Table 34 – Milling yield - Head (%) across different fungicide treatments. Estimated mean (Mean), standard error (SE), and 95% confidence interval range (Lower and Upper). **Fungicide Panel Trial 2** planted on April 16 (**P2S3**). Crowley, LA, 2025.

Description Units Treatment	Name	Active Ingredient	Time	Rate (fl oz/a)	Mean %	SE %	Lower %	Upper %
1	Untreated	---	--	--	37.34	1.72	33.83	40.85
2	Quadris	Azoxystrobin	B	12.5	42.59	1.72	39.08	46.09
3	Flint Extra	Trifloxystrobin	B	4.7	39.99	1.72	36.48	43.50
4	Elegia	Flutolanil	B	32	40.76	1.72	37.25	44.27
5	Sercadis	Fluxapyroxad	B	6.8	43.87	1.72	40.37	47.38
6	Tilt	Propiconazole	B	10	38.88	1.72	35.37	42.39
7	Prozio	Prothioconazole	B	4.5	38.31	1.72	34.81	41.82
8	REVEG	Difenoconazole + Tea Tree Oil	B	8.5	41.62	1.72	38.11	45.13
9	QuiltXcel	Azoxystrobin + Propiconazole	B	27	40.60	1.72	37.10	44.11
10	AmistarTop	Azoxystrobin + Difenoconazole	B	15	38.47	1.72	34.97	41.98
11	Maxentis™ SC	Azoxystrobin + Prothioconazole	B	4.5	35.44	1.72	31.94	38.95
12	Quadris	Azoxystrobin	B	12.5	38.78	1.72	35.27	42.28
	Elegia	Flutolanil	B	32				
13	Elegia	Flutolanil	B	32	36.51	1.72	33.00	40.02
	Prozio	Prothioconazole	B	4.5				
14	Quadris	Azoxystrobin	B	12.5	39.53	1.72	36.02	43.04
	Elegia	Flutolanil	B	32				
	Prozio	Prothioconazole	B	4.5				
15	Quadris	Azoxystrobin	B	12.5	41.83	1.72	38.32	45.34
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
16	Quadris	Azoxystrobin	B	12.5	39.38	1.72	35.87	42.89
	Elegia	Flutolanil	B	32				
	Tilt	Propiconazole	B	10				
	Prozio	Prothioconazole	B	4.5				
17	Quadris	Azoxystrobin	B+H	12.5	36.83	1.72	33.32	40.33

Sheath Blight – Integrated Pest Management

Sheath Blight -Integrated Pest Management 1 (P1S4)

This study aims to quantify the effectiveness of multiple control methods for sheath blight, specifically focusing on the combination of genetic resistance and the application of fungicides at various growth stages and application timings. The varieties CL111 (very susceptible), CLJ01 (susceptible), and the hybrid RT7321FP (moderately resistant) were used. Fungicide applications of azoxystrobin + propiconazole (Quilt Xcel) at 21 fl oz/a were made at seven days after panicle differentiation (PD7), at the boot stage (B), and at heading (H). Additionally, double (PD7 + B; PD7 + H; B + H) and triple (PD7 + B + H) application combinations were evaluated. Treatment descriptions are presented on the results table.

Table 35 – Summary of material and methods applied to **Sheath Blight – Integrate Pest Management 1 (P1S4)**, Crawley, 2025.

Planting Date:	March 18
Variety and Seed Rate	CL111, CLJ01 - 100 lb/a; RT7321FP - 38 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: March 20 and April 15 Flooded: April 30 (main crop); August 12 (ratoon) Drained: July 18 (main crop); October 16 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (April 30, 2025) Ratoon: 46-0- 0 [urea] - 250 lb/A (August 11, 2025)
Herbicides	• Command 6 fl oz/A, March 14 • Propanil 4 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, April 16 • Propanil 3 qt/A, Permit 1/3 oz/A, Londax 1.5 oz/A, Hook (NIS) 2.5 fl oz/A, May 1
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, May 22
Ratings	Sheath Blight: July 23
Harvest	August 3 (Main crop) and October 31 (Ratoon)
Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> June 6, 8:30 AM • <i>Weather:</i> Temp: 79° F; RH: 89%; Wind Speed: 5-6 mph; Clouds: Sunny Boot Stage (B) • <i>Date and Time:</i> June 17, 8:30 AM • <i>Weather:</i> Temp: 80° F; RH: 90%; Wind Speed: 6 mph; Clouds: Partly Cloudy Heading Stage (H) – CL111 and RT7321FP • <i>Date and Time:</i> June 25, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 88%; Wind Speed: 3-4 mph; Clouds: Sunny Heading Stage (H) – CLJ01 • <i>Date and Time:</i> June 30, 9:20 AM • <i>Weather:</i> Temp: 84° F; RH: 81%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy
Comments	Mowed stubble on August 6

Table 36 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **sheath blight severity (0-9)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 1** planted on March 18 (**PIS4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean 0-9	SE 0-9	Lower 0-9	Upper 0-9
1	CL111	Untreated Check	8.30	0.48	7.33	9.00
2	CL111	PD7	5.70	0.48	4.73	6.67
3	CL111	Boot	5.57	0.48	4.60	6.54
4	CL111	Head	6.40	0.48	5.43	7.37
5	CL111	PD7 + Boot	4.23	0.48	3.26	5.20
6	CL111	PD7 + Head	3.07	0.48	2.10	4.04
7	CL111	Boot + Head	5.20	0.48	4.23	6.17
8	CL111	PD7 + B + H	3.07	0.48	2.10	4.04
9	CLJ01	Untreated Check	7.47	0.48	6.50	8.44
10	CLJ01	PD7	1.83	0.48	0.86	2.80
11	CLJ01	Boot	3.07	0.48	2.10	4.04
12	CLJ01	Head	4.03	0.48	3.06	5.00
13	CLJ01	PD7 + Boot	1.53	0.48	0.56	2.50
14	CLJ01	PD7 + Head	1.77	0.48	0.80	2.74
15	CLJ01	Boot + Head	1.90	0.48	0.93	2.87
16	CLJ01	PD7 + B + H	1.07	0.48	0.10	2.04
17	RT7321FP	Untreated Check	5.73	0.48	4.76	6.70
18	RT7321FP	PD7	1.57	0.48	0.60	2.54
19	RT7321FP	Boot	1.47	0.48	0.50	2.44
20	RT7321FP	Head	2.17	0.48	1.20	3.14
21	RT7321FP	PD7 + Boot	0.63	0.48	0.00	1.60
22	RT7321FP	PD7 + Head	0.90	0.48	0.00	1.87
23	RT7321FP	Boot + Head	1.13	0.48	0.16	2.10
24	RT7321FP	PD7 + B + H	0.47	0.48	0.00	1.44

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 37 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **main crop grain yield (lb/a)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 1** planted on March 18 (**PIS4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	CL111	Untreated Check	7621.4	238.9	7127.8	8115.0
2	CL111	PD7	8475.6	238.9	7981.9	8969.2
3	CL111	Boot	8021.5	238.9	7527.9	8515.1
4	CL111	Head	7423.3	238.9	6929.6	7916.9
5	CL111	PD7 + Boot	8303.4	238.9	7809.8	8797.1
6	CL111	PD7 + Head	8507.1	238.9	8013.5	9000.7
7	CL111	Boot + Head	7792.3	238.9	7298.7	8286.0
8	CL111	PD7 + B + H	8361.8	238.9	7868.1	8855.4
9	CLJ01	Untreated Check	5903.5	238.9	5409.9	6397.1
10	CLJ01	PD7	6682.1	238.9	6188.5	7175.8
11	CLJ01	Boot	6324.7	238.9	5831.1	6818.4
12	CLJ01	Head	5921.7	238.9	5428.0	6415.3
13	CLJ01	PD7 + Boot	6585.5	238.9	6091.9	7079.2
14	CLJ01	PD7 + Head	6437.0	238.9	5943.4	6930.6
15	CLJ01	Boot + Head	6116.4	238.9	5622.8	6610.1
16	CLJ01	PD7 + B + H	6361.7	238.9	5868.1	6855.3
17	RT7321FP	Untreated Check	11713.7	238.9	11220.1	12207.4
18	RT7321FP	PD7	11713.2	238.9	11219.6	12206.8
19	RT7321FP	Boot	11509.8	238.9	11016.2	12003.5
20	RT7321FP	Head	11717.8	238.9	11224.2	12211.4
21	RT7321FP	PD7 + Boot	11725.5	238.9	11231.9	12219.1
22	RT7321FP	PD7 + Head	11843.7	238.9	11350.1	12337.4
23	RT7321FP	Boot + Head	11580.4	238.9	11086.8	12074.0
24	RT7321FP	PD7 + B + H	12050.9	238.9	11557.3	12544.5

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 38 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **ratoon crop grain yield (lb/a)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 1** planted on March 18 (**PIS4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean lb/a	SE lb/a	Lower lb/a	Upper lb/a
1	CL111	Untreated Check	3735.0	399.1	2932.5	4537.5
2	CL111	PD7	4052.3	399.1	3249.7	4854.8
3	CL111	Boot	3816.2	399.1	3013.7	4618.7
4	CL111	Head	3465.3	399.1	2662.8	4267.8
5	CL111	PD7 + Boot	3813.3	399.1	3010.8	4615.8
6	CL111	PD7 + Head	4181.3	399.1	3378.8	4983.8
7	CL111	Boot + Head	3875.4	399.1	3072.9	4677.9
8	CL111	PD7 + B + H	3898.0	399.1	3095.5	4700.5
9	CLJ01	Untreated Check	2896.6	399.1	2094.1	3699.1
10	CLJ01	PD7	3483.9	399.1	2681.4	4286.4
11	CLJ01	Boot	3424.4	399.1	2621.8	4226.9
12	CLJ01	Head	2998.7	399.1	2196.2	3801.2
13	CLJ01	PD7 + Boot	3546.9	399.1	2744.4	4349.4
14	CLJ01	PD7 + Head	3526.7	399.1	2724.2	4329.2
15	CLJ01	Boot + Head	3333.4	399.1	2530.9	4135.9
16	CLJ01	PD7 + B + H	3103.1	399.1	2300.6	3905.6
17	RT7321FP	Untreated Check	6097.5	399.1	5295.0	6900.1
18	RT7321FP	PD7	5554.9	399.1	4752.4	6357.4
19	RT7321FP	Boot	5511.4	399.1	4708.9	6313.9
20	RT7321FP	Head	6485.7	399.1	5683.1	7288.2
21	RT7321FP	PD7 + Boot	5414.0	399.1	4611.5	6216.5
22	RT7321FP	PD7 + Head	5929.3	399.1	5126.8	6731.8
23	RT7321FP	Boot + Head	5448.1	399.1	4645.6	6250.6
24	RT7321FP	PD7 + B + H	5599.5	399.1	4797.0	6402.0

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 39 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **milling yield - total (%)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 1** planted on March 18 (**PIS4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean %	SE %	Lower %	Upper %
1	CL111	Untreated Check	73.96	0.36	73.23	74.68
2	CL111	PD7	74.38	0.36	73.66	75.11
3	CL111	Boot	75.06	0.36	74.33	75.78
4	CL111	Head	74.19	0.36	73.47	74.92
5	CL111	PD7 + Boot	74.43	0.36	73.70	75.16
6	CL111	PD7 + Head	75.17	0.36	74.45	75.90
7	CL111	Boot + Head	75.31	0.36	74.58	76.03
8	CL111	PD7 + B + H	74.24	0.36	73.51	74.96
9	CLJ01	Untreated Check	73.92	0.36	73.19	74.65
10	CLJ01	PD7	75.19	0.36	74.46	75.92
11	CLJ01	Boot	74.55	0.36	73.83	75.28
12	CLJ01	Head	74.81	0.36	74.08	75.54
13	CLJ01	PD7 + Boot	74.40	0.36	73.67	75.13
14	CLJ01	PD7 + Head	74.15	0.36	73.43	74.88
15	CLJ01	Boot + Head	73.92	0.36	73.20	74.65
16	CLJ01	PD7 + B + H	74.87	0.36	74.14	75.59
17	RT7321FP	Untreated Check	74.09	0.36	73.37	74.82
18	RT7321FP	PD7	74.20	0.36	73.47	74.92
19	RT7321FP	Boot	73.60	0.36	72.88	74.33
20	RT7321FP	Head	73.74	0.36	73.02	74.47
21	RT7321FP	PD7 + Boot	74.01	0.36	73.28	74.73
22	RT7321FP	PD7 + Head	73.40	0.36	72.67	74.12
23	RT7321FP	Boot + Head	73.94	0.36	73.21	74.66
24	RT7321FP	PD7 + B + H	73.97	0.36	73.24	74.69

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 40 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **milling yield - head (%)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 1** planted on March 18 (**PIS4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean %	SE %	Lower %	Upper %
1	CL111	Untreated Check	59.75	1.03	57.67	61.82
2	CL111	PD7	64.20	1.03	62.13	66.28
3	CL111	Boot	64.30	1.03	62.23	66.37
4	CL111	Head	62.42	1.03	60.35	64.49
5	CL111	PD7 + Boot	64.44	1.03	62.37	66.51
6	CL111	PD7 + Head	63.60	1.03	61.52	65.67
7	CL111	Boot + Head	63.10	1.03	61.02	65.17
8	CL111	PD7 + B + H	62.99	1.03	60.92	65.06
9	CLJ01	Untreated Check	63.09	1.03	61.01	65.16
10	CLJ01	PD7	68.85	1.03	66.77	70.92
11	CLJ01	Boot	67.23	1.03	65.15	69.30
12	CLJ01	Head	68.38	1.03	66.30	70.45
13	CLJ01	PD7 + Boot	68.62	1.03	66.55	70.70
14	CLJ01	PD7 + Head	67.62	1.03	65.54	69.69
15	CLJ01	Boot + Head	67.67	1.03	65.60	69.75
16	CLJ01	PD7 + B + H	69.44	1.03	67.37	71.51
17	RT7321FP	Untreated Check	52.73	1.03	50.66	54.80
18	RT7321FP	PD7	55.19	1.03	53.11	57.26
19	RT7321FP	Boot	54.93	1.03	52.85	57.00
20	RT7321FP	Head	56.43	1.03	54.35	58.50
21	RT7321FP	PD7 + Boot	56.22	1.03	54.15	58.30
22	RT7321FP	PD7 + Head	55.61	1.03	53.53	57.68
23	RT7321FP	Boot + Head	56.44	1.03	54.37	58.51
24	RT7321FP	PD7 + B + H	58.03	1.03	55.95	60.10

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Sheath Blight -Integrated Management 2 (P2S4)

Table 41 – Summary of material and methods applied to **Sheath Blight -Integrate Pest Management 2 (P2S4)**, Crawley, 2025.

Planting Date:	April 16
Variety and Seed Rate	CL111, CLJ01 - 100 lb/a; RT7321FP - 38 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: May 26 (main crop); September 4 (ratoon) Drained: August 15 (main crop); November 3 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (May 23, 2025) Ratoon: 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Command 6 fl oz/A, April 16 • Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 • Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet ½ lbs/A, April 26 • Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>Rhizoctonia solani</i> culture grown on rice grain/hull mixture, June 12
Ratings	Sheath Blight: August 19
Harvest	August 28 (Main crop) and November 3 (Ratoon)
Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> June 27, 8:30 AM • <i>Weather:</i> Temp: 91° F; RH: 62%; Wind Speed: Light; Clouds: Sunny Boot Stage (B) • <i>Date and Time:</i> July 2, 8:30 AM • <i>Weather:</i> Temp: 82° F; RH: 90%; Wind Speed: 4-6 mph; Clouds: Partly Cloudy Heading Stage (H) • <i>Date and Time:</i> July 15, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 75%; Wind Speed: Light; Clouds: Sunny
Comments	Developmental issues were noted throughout the entire field early on in the season. These challenges were not specific to any single treatment or trial. While the precise cause is still unclear, it is hypothesized that nitrogen loss from pre-flood fertilization played a role. This stress led to lower yields, reduced grain quality, and decreased disease pressure because of a less dense canopy.

Table 42 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **sheath blight severity (0-9)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 2** planted on April 16 (**P2S4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean 0-9	SE 0-9	Lower 0-9	Upper 0-9
1	CL111	Untreated Check	3.00	0.49	2.01	3.99
2	CL111	PD7	2.07	0.49	1.08	3.06
3	CL111	Boot	1.60	0.49	0.61	2.59
4	CL111	Head	2.50	0.49	1.51	3.49
5	CL111	PD7 + Boot	2.50	0.49	1.51	3.49
6	CL111	PD7 + Head	3.27	0.49	2.28	4.26
7	CL111	Boot + Head	2.43	0.49	1.44	3.42
8	CL111	PD7 + B + H	2.37	0.49	1.38	3.36
9	CLJ01	Untreated Check	1.87	0.49	0.88	2.86
10	CLJ01	PD7	1.37	0.49	0.38	2.36
11	CLJ01	Boot	0.70	0.49	0.00	1.69
12	CLJ01	Head	1.33	0.49	0.34	2.32
13	CLJ01	PD7 + Boot	1.40	0.49	0.41	2.39
14	CLJ01	PD7 + Head	1.93	0.49	0.94	2.92
15	CLJ01	Boot + Head	0.60	0.49	0.00	1.59
16	CLJ01	PD7 + B + H	0.67	0.49	0.00	1.66
17	RT7321FP	Untreated Check	1.13	0.49	0.14	2.12
18	RT7321FP	PD7	0.67	0.49	0.00	1.66
19	RT7321FP	Boot	1.03	0.49	0.04	2.02
20	RT7321FP	Head	1.33	0.49	0.34	2.32
21	RT7321FP	PD7 + Boot	1.07	0.49	0.08	2.06
22	RT7321FP	PD7 + Head	0.97	0.49	0.00	1.96
23	RT7321FP	Boot + Head	1.00	0.49	0.01	1.99
24	RT7321FP	PD7 + B + H	0.63	0.49	0.00	1.62

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 43 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **main crop grain yield (lb/a)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 2** planted on April 16 (**P2S4**). Crowley, LA, 2025.

Description			Mean	SE	Lower	Upper
Units			lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide Timing*				
1	CL111	Untreated Check	4662.0	755.0	3143.9	6180.1
2	CL111	PD7	4213.9	755.0	2695.8	5732.0
3	CL111	Boot	4505.6	755.0	2987.5	6023.7
4	CL111	Head	3904.0	755.0	2385.9	5422.1
5	CL111	PD7 + Boot	5317.0	755.0	3798.9	6835.1
6	CL111	PD7 + Head	4721.3	755.0	3203.2	6239.4
7	CL111	Boot + Head	5261.4	755.0	3743.3	6779.6
8	CL111	PD7 + B + H	4191.8	755.0	2673.7	5709.9
9	CLJ01	Untreated Check	5396.5	755.0	3878.4	6914.6
10	CLJ01	PD7	4261.5	755.0	2743.4	5779.6
11	CLJ01	Boot	4047.7	755.0	2529.6	5565.9
12	CLJ01	Head	4106.4	755.0	2588.3	5624.5
13	CLJ01	PD7 + Boot	4549.8	755.0	3031.7	6067.9
14	CLJ01	PD7 + Head	4124.9	755.0	2606.8	5643.0
15	CLJ01	Boot + Head	4223.5	755.0	2705.4	5741.6
16	CLJ01	PD7 + B + H	5461.9	755.0	3943.8	6980.0
17	RT7321FP	Untreated Check	6164.4	755.0	4646.3	7682.6
18	RT7321FP	PD7	6820.1	755.0	5302.0	8338.2
19	RT7321FP	Boot	6586.8	755.0	5068.7	8104.9
20	RT7321FP	Head	6710.4	755.0	5192.3	8228.5
21	RT7321FP	PD7 + Boot	6490.5	755.0	4972.4	8008.6
22	RT7321FP	PD7 + Head	6098.1	755.0	4579.9	7616.2
23	RT7321FP	Boot + Head	5689.7	755.0	4171.6	7207.8
24	RT7321FP	PD7 + B + H	6268.8	755.0	4750.7	7787.0

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 44 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **ratoon crop grain yield (lb/a)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 2** planted on April 16 (**P2S4**). Crowley, LA, 2025.

Description			Mean	SE	Lower	Upper
Units			lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide Timing*				
1	CL111	Untreated Check		185.4	1821.0	2567.4
2	CL111	PD7	2045.5	185.4	1672.4	2418.7
3	CL111	Boot	2299.0	185.4	1925.8	2672.2
4	CL111	Head	2129.8	185.4	1756.6	2503.0
5	CL111	PD7 + Boot	2217.0	185.4	1843.8	2590.1
6	CL111	PD7 + Head	2140.2	230.3	1676.6	2603.8
7	CL111	Boot + Head	2529.9	185.4	2156.7	2903.0
8	CL111	PD7 + B + H	2107.3	185.4	1734.1	2480.5
9	CLJ01	Untreated Check	1915.9	185.4	1542.7	2289.1
10	CLJ01	PD7	2354.3	185.4	1981.2	2727.5
11	CLJ01	Boot	2039.2	185.4	1666.0	2412.3
12	CLJ01	Head	2222.3	185.4	1849.1	2595.5
13	CLJ01	PD7 + Boot	2469.0	185.4	2095.9	2842.2
14	CLJ01	PD7 + Head	2574.9	230.3	2111.3	3038.5
15	CLJ01	Boot + Head	2186.4	185.4	1813.2	2559.5
16	CLJ01	PD7 + B + H	2114.7	185.4	1741.5	2487.9
17	RT7321FP	Untreated Check	1495.0	185.4	1121.9	1868.2
18	RT7321FP	PD7	1435.7	185.4	1062.5	1808.9
19	RT7321FP	Boot	1665.1	185.4	1291.9	2038.3
20	RT7321FP	Head	1845.1	185.4	1471.9	2218.3
21	RT7321FP	PD7 + Boot	2403.6	185.4	2030.4	2776.8
22	RT7321FP	PD7 + Head	1443.8	185.4	1070.6	1817.0
23	RT7321FP	Boot + Head	2001.5	185.4	1628.3	2374.7
24	RT7321FP	PD7 + B + H	1776.2	185.4	1403.0	2149.3

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 45 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **milling yield - total (%)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 2** planted on April 16 (**P2S4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean %	SE %	Lower %	Upper %
1	CL111	Untreated Check	70.36	0.64	69.06	71.65
2	CL111	PD7	69.45	0.64	68.15	70.74
3	CL111	Boot	70.16	0.64	68.86	71.45
4	CL111	Head	71.46	0.64	70.16	72.76
5	CL111	PD7 + Boot	70.98	0.64	69.68	72.28
6	CL111	PD7 + Head	71.36	0.64	70.06	72.65
7	CL111	Boot + Head	70.18	0.64	68.88	71.48
8	CL111	PD7 + B + H	71.63	0.64	70.34	72.93
9	CLJ01	Untreated Check	74.55	0.64	73.26	75.85
10	CLJ01	PD7	74.09	0.64	72.79	75.39
11	CLJ01	Boot	74.30	0.64	73.00	75.59
12	CLJ01	Head	74.94	0.64	73.65	76.24
13	CLJ01	PD7 + Boot	74.37	0.64	73.07	75.66
14	CLJ01	PD7 + Head	74.15	0.64	72.85	75.45
15	CLJ01	Boot + Head	74.67	0.64	73.37	75.96
16	CLJ01	PD7 + B + H	74.88	0.64	73.58	76.18
17	RT7321FP	Untreated Check	70.32	0.64	69.02	71.62
18	RT7321FP	PD7	70.87	0.64	69.57	72.17
19	RT7321FP	Boot	70.58	0.64	69.28	71.87
20	RT7321FP	Head	70.38	0.64	69.08	71.68
21	RT7321FP	PD7 + Boot	70.80	0.64	69.51	72.10
22	RT7321FP	PD7 + Head	71.55	0.64	70.26	72.85
23	RT7321FP	Boot + Head	70.80	0.64	69.51	72.10
24	RT7321FP	PD7 + B + H	71.34	0.64	70.04	72.64

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Table 46 – Effect of azoxystrobin + propiconazole (Quilt Xcel @21 fl oz/a) applied at multiple times and growth stages on **milling yield - head (%)** on three different rice genotypes. Estimated mean (Est) and 95% confidence interval range (Lower and Upper). **Sheath Blight -Integrate Pest Management 2** planted on April 16 (**P2S4**). Crowley, LA, 2025.

Description Units Treatment	Genotype	Fungicide Timing*	Mean %	SE %	Lower %	Upper %
1	CL111	Untreated Check	41.09	1.77	37.44	44.74
2	CL111	PD7	41.00	1.77	37.35	44.65
3	CL111	Boot	43.95	1.77	40.30	47.60
4	CL111	Head	46.33	1.77	42.68	49.98
5	CL111	PD7 + Boot	46.26	1.77	42.61	49.91
6	CL111	PD7 + Head	48.05	1.77	44.40	51.70
7	CL111	Boot + Head	46.43	1.77	42.78	50.08
8	CL111	PD7 + B + H	49.27	1.77	45.62	52.92
9	CLJ01	Untreated Check	58.70	1.77	55.05	62.35
10	CLJ01	PD7	58.76	1.77	55.11	62.41
11	CLJ01	Boot	59.44	1.77	55.79	63.09
12	CLJ01	Head	61.12	1.77	57.47	64.77
13	CLJ01	PD7 + Boot	59.89	1.77	56.24	63.54
14	CLJ01	PD7 + Head	61.50	1.77	57.85	65.15
15	CLJ01	Boot + Head	61.87	1.77	58.22	65.52
16	CLJ01	PD7 + B + H	60.92	1.77	57.27	64.57
17	RT7321FP	Untreated Check	40.22	1.77	36.57	43.87
18	RT7321FP	PD7	41.91	1.77	38.26	45.56
19	RT7321FP	Boot	40.49	1.77	36.84	44.14
20	RT7321FP	Head	40.58	1.77	36.93	44.23
21	RT7321FP	PD7 + Boot	39.78	1.77	36.13	43.43
22	RT7321FP	PD7 + Head	40.75	1.77	37.10	44.40
23	RT7321FP	Boot + Head	41.71	1.77	38.06	45.36
24	RT7321FP	PD7 + B + H	43.03	1.77	39.38	46.68

*PD7 = panicle differentiation plus seven days; B = Boot stage; H = Heading

Cercospora - Integrated Pest Management

This study aims to quantify the resistance of a selected group of varieties and the efficacy of fungicide (propiconazole) applications in early boot (2 – 4 in panicle), late boot (close to boot split), or heading to control the Cercospora symptoms on the sheath and panicle. Treatment descriptions are given below.

Cercospora - Integrated Pest Management 2 (P2C1)

Table 47 – Summary of material and methods applied to **Cercospora - Integrate Pest Management 2 (P2C1)**, Crawley, 2025.

Planting Date:	April 16
Variety and Seed Rate	PVL03, Jupiter, CLL19, DG236L, CLJ01 - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: May 26 (main crop); September 4 (ratoon) Drained: August 15 (main crop); November 3 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (May 23, 2025) Ratoon: 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Command 6 fl oz/A, April 16 • Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 • Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet ½ lbs/A, April 26 • Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Narrow Brown Leaf Spot – August 13 (Virtually 0) Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	August 28 (Main crop) and November 3 (Ratoon)
Application Conditions	Early Boot (Early) • <i>Date and Time:</i> July 1, 8:45 AM • <i>Weather:</i> Temp: 89° F; RH: 87%; Wind Speed: 3-4; Clouds: Partly Cloudy Late Boot (Late) • <i>Date and Time:</i> July 9, 8:30 AM • <i>Weather:</i> Temp: 89° F; RH: 67%; Wind Speed: 2-3 mph; Clouds: Sunny Heading Stage (Head) • <i>Date and Time:</i> July 16, 8:00 AM • <i>Weather:</i> Temp: 90° F; RH: 71%; Wind Speed: 2-3 mph; Clouds: Partly Cloudy

Table 47 – Summary of material and methods applied to **Cercospora - Integrate Pest Management 2 (P2C1)**, Crowley, 2025. (Continued)

Comments	Developmental issues were noted throughout the entire field early in the season. These challenges were not specific to any single treatment or trial. While the precise cause is still unclear, it is hypothesized that nitrogen loss from pre-flood fertilization played a role. This stress led to lower yields, reduced grain quality, and decreased disease pressure because of a less dense canopy.

Table 48 – Effect of fungicide application timing and genotype on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB cm	SE cm	Lower cm	Upper cm
Units							
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	17.50	1.28	14.90	20.10
2	PVL03	Propiconazole	Early	15.40	1.28	12.80	18.00
3	PVL03	Propiconazole	Late	18.30	1.28	15.70	20.90
4	PVL03	Propiconazole	Head	14.40	1.28	11.80	17.00
5	Jupiter	Untreated Check	UTC	5.92	1.28	3.33	8.51
6	Jupiter	Propiconazole	Early	4.71	1.28	2.12	7.30
7	Jupiter	Propiconazole	Late	4.96	1.28	2.37	7.55
8	Jupiter	Propiconazole	Head	4.95	1.28	2.35	7.54
9	CLL19	Untreated Check	UTC	9.52	1.28	6.93	12.10
10	CLL19	Propiconazole	Early	11.80	1.28	9.16	14.30
11	CLL19	Propiconazole	Late	10.30	1.28	7.69	12.90
12	CLL19	Propiconazole	Head	13.30	1.28	10.70	15.90
13	DG236L	Untreated Check	UTC	6.24	1.28	3.65	8.83
14	DG236L	Propiconazole	Early	5.95	1.28	3.36	8.54
15	DG236L	Propiconazole	Late	5.69	1.28	3.10	8.28
16	DG236L	Propiconazole	Head	6.17	1.28	3.58	8.76
17	CLJ01	Untreated Check	UTC	13.30	1.28	10.70	15.90
18	CLJ01	Propiconazole	Early	12.40	1.28	9.79	15.00
19	CLJ01	Propiconazole	Late	12.60	1.28	10.00	15.20
20	CLJ01	Propiconazole	Head	12.10	1.28	9.50	14.70

Table 49 – Effect of fungicide application timing and genotype on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	1.75	0.42	0.91	2.59
2	PVL03	Propiconazole	Early	1.04	0.42	0.20	1.88
3	PVL03	Propiconazole	Late	1.53	0.42	0.69	2.37
4	PVL03	Propiconazole	Head	1.1	0.42	0.26	1.94
5	Jupiter	Untreated Check	UTC	1.37	0.42	0.53	2.21
6	Jupiter	Propiconazole	Early	1.31	0.42	0.47	2.15
7	Jupiter	Propiconazole	Late	1.66	0.42	0.82	2.5
8	Jupiter	Propiconazole	Head	0.82	0.42	0.00	1.66
9	CLL19	Untreated Check	UTC	1.45	0.42	0.61	2.29
10	CLL19	Propiconazole	Early	1.49	0.42	0.65	2.33
11	CLL19	Propiconazole	Late	0.75	0.42	0.00	1.59
12	CLL19	Propiconazole	Head	0.99	0.42	0.15	1.83
13	DG236L	Untreated Check	UTC	1.3	0.42	0.46	2.14
14	DG236L	Propiconazole	Early	1.31	0.42	0.47	2.15
15	DG236L	Propiconazole	Late	1.07	0.42	0.23	1.91
16	DG236L	Propiconazole	Head	0.81	0.42	0.00	1.65
17	CLJ01	Untreated Check	UTC	1.47	0.42	0.63	2.31
18	CLJ01	Propiconazole	Early	1.77	0.42	0.93	2.61
19	CLJ01	Propiconazole	Late	1.41	0.42	0.57	2.25
20	CLJ01	Propiconazole	Head	1.71	0.42	0.87	2.55

Table 50 – Effect of fungicide application timing and genotype on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	3775	200	3359	4191
2	PVL03	Propiconazole	Early	3764	200	3347	4180
3	PVL03	Propiconazole	Late	3751	200	3335	4167
4	PVL03	Propiconazole	Head	4032	200	3616	4448
5	Jupiter	Untreated Check	UTC	3252	200	2835	3668
6	Jupiter	Propiconazole	Early	3166	200	2750	3583
7	Jupiter	Propiconazole	Late	3217	200	2801	3633
8	Jupiter	Propiconazole	Head	2893	200	2477	3310
9	CLL19	Untreated Check	UTC	4622	200	4206	5039
10	CLL19	Propiconazole	Early	4625	200	4209	5042
11	CLL19	Propiconazole	Late	4495	200	4078	4911
12	CLL19	Propiconazole	Head	4374	200	3958	4790
13	DG236L	Untreated Check	UTC	6313	200	5897	6729
14	DG236L	Propiconazole	Early	5991	200	5574	6407
15	DG236L	Propiconazole	Late	6289	200	5873	6705
16	DG236L	Propiconazole	Head	6723	200	6306	7139
17	CLJ01	Untreated Check	UTC	4030	200	3614	4446
18	CLJ01	Propiconazole	Early	3912	200	3495	4328
19	CLJ01	Propiconazole	Late	4051	200	3635	4467
20	CLJ01	Propiconazole	Head	4067	200	3651	4483

Table 51 – Effect of fungicide application timing and genotype on **ratoon crop grain yield** (Ratoon; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Ratoon lb/a	SE lb/a	Lower lb/a	Upper lb/a
Units							
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	1690	170	1316	2065
2	PVL03	Propiconazole	Early	1981	170	1607	2356
3	PVL03	Propiconazole	Late	1905	170	1530	2279
4	PVL03	Propiconazole	Head	1863	170	1489	2238
5	Jupiter	Untreated Check	UTC	1935	170	1560	2309
6	Jupiter	Propiconazole	Early	2012	170	1637	2386
7	Jupiter	Propiconazole	Late	2255	170	1881	2630
8	Jupiter	Propiconazole	Head	1895	170	1520	2269
9	CLL19	Untreated Check	UTC	2086	170	1711	2460
10	CLL19	Propiconazole	Early	2089	170	1714	2463
11	CLL19	Propiconazole	Late	1928	170	1553	2302
12	CLL19	Propiconazole	Head	2224	170	1849	2598
13	DG236L	Untreated Check	UTC	949	260	416	1483
14	DG236L	Propiconazole	Early	699	260	165	1233
15	DG236L	Propiconazole	Late	643	196	227	1058
16	DG236L	Propiconazole	Head	793	260	259	1327
17	CLJ01	Untreated Check	UTC	2064	170	1689	2438
18	CLJ01	Propiconazole	Early	2227	170	1852	2601
19	CLJ01	Propiconazole	Late	2128	170	1753	2502
20	CLJ01	Propiconazole	Head	2416	170	2041	2790

Table 52 – Effect of fungicide application timing and genotype on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	65.70	0.53	64.60	66.80
2	PVL03	Propiconazole	Early	64.90	0.53	63.80	66.00
3	PVL03	Propiconazole	Late	65.90	0.53	64.80	66.90
4	PVL03	Propiconazole	Head	65.50	0.53	64.50	66.60
5	Jupiter	Untreated Check	UTC	69.10	0.53	68.10	70.20
6	Jupiter	Propiconazole	Early	68.80	0.53	67.80	69.90
7	Jupiter	Propiconazole	Late	69.70	0.53	68.60	70.70
8	Jupiter	Propiconazole	Head	69.00	0.53	68.00	70.10
9	CLL19	Untreated Check	UTC	69.20	0.53	68.20	70.30
10	CLL19	Propiconazole	Early	68.80	0.53	67.80	69.90
11	CLL19	Propiconazole	Late	68.60	0.53	67.60	69.70
12	CLL19	Propiconazole	Head	68.80	0.53	67.70	69.80
13	DG236L	Untreated Check	UTC	69.80	0.53	68.80	70.90
14	DG236L	Propiconazole	Early	70.50	0.53	69.50	71.60
15	DG236L	Propiconazole	Late	70.40	0.53	69.30	71.40
16	DG236L	Propiconazole	Head	70.60	0.53	69.60	71.70
17	CLJ01	Untreated Check	UTC	71.90	0.53	70.90	73.00
18	CLJ01	Propiconazole	Early	72.70	0.53	71.60	73.80
19	CLJ01	Propiconazole	Late	71.80	0.53	70.80	72.90
20	CLJ01	Propiconazole	Head	71.80	0.53	70.70	72.80

Table 53 – Effect of fungicide application timing and genotype on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (April planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	33.40	1.89	29.50	37.20
2	PVL03	Propiconazole	Early	33.20	1.89	29.30	37.00
3	PVL03	Propiconazole	Late	37.10	1.89	33.30	41.00
4	PVL03	Propiconazole	Head	35.20	1.89	31.30	39.00
5	Jupiter	Untreated Check	UTC	62.20	1.89	58.30	66.00
6	Jupiter	Propiconazole	Early	59.80	1.89	55.90	63.60
7	Jupiter	Propiconazole	Late	62.20	1.89	58.30	66.00
8	Jupiter	Propiconazole	Head	62.00	1.89	58.10	65.80
9	CLL19	Untreated Check	UTC	49.90	1.89	46.10	53.80
10	CLL19	Propiconazole	Early	47.50	1.89	43.70	51.40
11	CLL19	Propiconazole	Late	47.20	1.89	43.40	51.00
12	CLL19	Propiconazole	Head	48.40	1.89	44.50	52.20
13	DG236L	Untreated Check	UTC	44.70	1.89	40.90	48.60
14	DG236L	Propiconazole	Early	47.80	1.89	43.90	51.60
15	DG236L	Propiconazole	Late	47.20	1.89	43.40	51.10
16	DG236L	Propiconazole	Head	49.60	1.89	45.80	53.50
17	CLJ01	Untreated Check	UTC	57.00	1.89	53.20	60.90
18	CLJ01	Propiconazole	Early	59.50	1.89	55.70	63.40
19	CLJ01	Propiconazole	Late	56.30	1.89	52.40	60.10
20	CLJ01	Propiconazole	Head	57.10	1.89	53.20	61.00

Cercospora - Integrated Pest Management 3 (P3C1)

Table 54 – Summary of material and methods applied to **Cercospora - Integrate Pest Management 3 (P3C1)**, Crawley, 2025.

Planting Date:	May 14
Variety and Seed Rate	PVL03 and DG236L - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: June 5 Drained: September 2
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (June 4, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Tank-Mix Glyphosate 1 qt/A, First Shot 0.8 oz/A, April 22 • Command 6 fl oz/A, May 16 • Tank-Mix propanil 4 qt/A, Facet 1 qt/A, Prowl 1 qt/A, Permit 1 oz/A, Londax 1 oz/A, June 2
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Narrow Brown Leaf Spot – September 2 (Virtually 0 – Data not show) Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	September 15
Application Conditions	Early Boot (Early) • <i>Date and Time:</i> July 14, 9:15 AM • <i>Weather:</i> Temp: 92° F; RH: 71%; Wind Speed: 2-3 mph; Clouds: Sunny Late Boot (Late) • <i>Date and Time:</i> July 21, 8:00 AM • <i>Weather:</i> Temp: 87° F; RH: 74%; Wind Speed: Light; Clouds: Partly Cloudy Heading Stage (Head) • <i>Date and Time:</i> July 29, 8:30 AM • <i>Weather:</i> Temp: 85° F; RH: 80%; Wind Speed: 2-4 mph; Clouds: Partly Cloudy

Table 55 – Effect of fungicide application timing and genotype on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (May planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB	SE	Lower	Upper
Units				cm	cm	cm	cm
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	16.50	2.13	12.00	21.10
2	PVL03	Propiconazole	Early	16.00	2.13	11.40	20.60
3	PVL03	Propiconazole	Late	16.00	2.13	11.40	20.60
4	PVL03	Propiconazole	Head	16.00	2.13	11.40	20.50
5	DG236L	Untreated Check	UTC	13.70	2.13	9.12	18.20
6	DG236L	Propiconazole	Early	8.71	2.13	4.15	13.30
7	DG236L	Propiconazole	Late	13.20	2.13	8.64	17.70
8	DG236L	Propiconazole	Head	11.50	2.13	6.93	16.00

Table 56 – Effect of fungicide application timing and genotype on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (May planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	1.55	0.44	0.61	2.48
2	PVL03	Propiconazole	Early	0.75	0.44	0.00	1.68
3	PVL03	Propiconazole	Late	1.07	0.44	0.14	2.01
4	PVL03	Propiconazole	Head	1.00	0.44	0.06	1.94
5	DG236L	Untreated Check	UTC	1.72	0.56	0.52	2.92
6	DG236L	Propiconazole	Early	2.23	0.44	1.29	3.16
7	DG236L	Propiconazole	Late	1.44	0.44	0.50	2.38
8	DG236L	Propiconazole	Head	1.76	0.44	0.82	2.70

Table 57 – Effect of fungicide application timing and genotype on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (May planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	5235	282	4632	5838
2	PVL03	Propiconazole	Early	5374	282	4771	5977
3	PVL03	Propiconazole	Late	5582	282	4979	6185
4	PVL03	Propiconazole	Head	5443	282	4840	6046
5	DG236L	Untreated Check	UTC	4533	282	3930	5136
6	DG236L	Propiconazole	Early	4876	282	4273	5479
7	DG236L	Propiconazole	Late	4356	282	3753	4959
8	DG236L	Propiconazole	Head	4702	282	4099	5305

Table 58 – Effect of fungicide application timing and genotype on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (May planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	71.80	0.50	70.70	72.90
2	PVL03	Propiconazole	Early	71.50	0.50	70.50	72.60
3	PVL03	Propiconazole	Late	71.60	0.50	70.60	72.70
4	PVL03	Propiconazole	Head	72.00	0.50	71.00	73.10
5	DG236L	Untreated Check	UTC	70.30	0.50	69.20	71.40
6	DG236L	Propiconazole	Early	70.50	0.50	69.40	71.50
7	DG236L	Propiconazole	Late	70.60	0.50	69.60	71.70
8	DG236L	Propiconazole	Head	70.40	0.50	69.30	71.40

Table 59 – Effect of fungicide application timing and genotype on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (May planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	43.60	1.21	41.00	46.20
2	PVL03	Propiconazole	Early	44.80	1.21	42.30	47.40
3	PVL03	Propiconazole	Late	46.20	1.21	43.60	48.80
4	PVL03	Propiconazole	Head	45.20	1.21	42.70	47.80
5	DG236L	Untreated Check	UTC	42.40	1.21	39.80	44.90
6	DG236L	Propiconazole	Early	45.00	1.21	42.40	47.50
7	DG236L	Propiconazole	Late	47.80	1.21	45.20	50.40
8	DG236L	Propiconazole	Head	44.60	1.21	42.00	47.20

Cercospora - Integrate Pest Management 4 (P4C1)

Table 60 – Summary of material and methods applied to **Cercospora - Integrate Pest Management 4 (P4C1)**, Lake Arthur, 2025.

Planting Date:	March 14
Variety and Seed Rate	PVL03 and DG236L - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: April 19 Drained: July 9
Fertilization	Pre-planting: Planting Day: 250 lbs/A - 8-24-24 March 14 Preflood: 300 lb/A - 46-0- 0 [urea] – April 17
Herbicides	• Tank-Mix Glyphosate 1 qt/A, Command 4 fl oz/A, Sharpen 2 fl oz/A, March 14 • Tank-Mix propanil 3 qt/A, Gambit 1 oz/A, Prowl 1 qt/A, April 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	July 29
Application Conditions	Early Boot (Early) • <i>MISSED</i> Late Boot (Late) • <i>Date and Time:</i> May 30, 9:30 AM • <i>Weather:</i> Temp: 83° F; RH: 82%; Wind Speed: 3-4 mph; Clouds: Partly Cloudy Heading Stage (Head) • <i>Date and Time:</i> June 11, 9:00 AM • <i>Weather:</i> Temp: 78° F; RH: 90%; Wind Speed: 8 mph; Clouds: Sunny

Table 61 – Effect of fungicide application timing and genotype on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C1) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB	SE	Lower	Upper
Units				cm	cm	cm	cm
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	9.80	1.82	5.93	13.70
2	PVL03	Propiconazole	Early	8.43	1.82	4.56	12.30
3	PVL03	Propiconazole	Late	8.99	1.82	5.11	12.90
4	PVL03	Propiconazole	Head	6.75	1.82	2.87	10.60
5	DG236L	Untreated Check	UTC	4.82	1.82	0.95	8.69
6	DG236L	Propiconazole	Early	3.70	1.82	0.00	7.58
7	DG236L	Propiconazole	Late	4.76	1.82	0.88	8.63
8	DG236L	Propiconazole	Head	3.03	1.82	0.00	6.90

Table 62 – Effect of fungicide application timing and genotype on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (March planting) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	1.50	0.21	1.06	1.94
2	PVL03	Propiconazole	Early	1.45	0.21	1.01	1.90
3	PVL03	Propiconazole	Late	1.65	0.21	1.21	2.10
4	PVL03	Propiconazole	Head	1.07	0.21	0.63	1.52
5	DG236L	Untreated Check	UTC	1.35	0.21	0.90	1.79
6	DG236L	Propiconazole	Early	0.79	0.21	0.35	1.24
7	DG236L	Propiconazole	Late	1.33	0.21	0.89	1.78
8	DG236L	Propiconazole	Head	1.12	0.21	0.68	1.56

Table 63 – Effect of fungicide application timing and genotype on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C1) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	7378	432	6462	8294
2	PVL03	Propiconazole	Early	7786	432	6870	8703
3	PVL03	Propiconazole	Late	7773	432	6856	8689
4	PVL03	Propiconazole	Head	7717	432	6801	8634
5	DG236L	Untreated Check	UTC	8643	432	7726	9559
6	DG236L	Propiconazole	Early	8056	432	7140	8972
7	DG236L	Propiconazole	Late	8249	432	7333	9166
8	DG236L	Propiconazole	Head	8421	432	7505	9338

Table 64 – Effect of fungicide application timing and genotype on **ratoon crop grain yield** (Ratoon; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C1) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Ratoon	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	1444	204	1009	1879
2	PVL03	Propiconazole	Early	1613	163	1265	1961
3	PVL03	Propiconazole	Late	1772	163	1424	2119
4	PVL03	Propiconazole	Head	1713	163	1366	2061
5	DG236L	Untreated Check	UTC	2448	163	2100	2796
6	DG236L	Propiconazole	Early	2314	163	1966	2662
7	DG236L	Propiconazole	Late	2260	163	1913	2608
8	DG236L	Propiconazole	Head	2435	163	2087	2782

Table 65 – Effect of fungicide application timing and genotype on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C1) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	69.40	0.31	68.70	70.00
2	PVL03	Propiconazole	Early	68.90	0.31	68.20	69.60
3	PVL03	Propiconazole	Late	68.90	0.31	68.30	69.60
4	PVL03	Propiconazole	Head	69.50	0.31	68.80	70.20
5	DG236L	Untreated Check	UTC	68.20	0.31	67.50	68.80
6	DG236L	Propiconazole	Early	68.40	0.31	67.70	69.00
7	DG236L	Propiconazole	Late	68.40	0.31	67.70	69.00
8	DG236L	Propiconazole	Head	68.00	0.31	67.40	68.70

Table 66 – Effect of fungicide application timing and genotype on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C1) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	PVL03	Untreated Check	UTC	48.90	1.23	46.20	51.50
2	PVL03	Propiconazole	Early	47.80	1.23	45.20	50.40
3	PVL03	Propiconazole	Late	48.80	1.23	46.20	51.40
4	PVL03	Propiconazole	Head	50.30	1.23	47.70	52.90
5	DG236L	Untreated Check	UTC	53.80	1.23	51.20	56.40
6	DG236L	Propiconazole	Early	53.60	1.23	51.00	56.20
7	DG236L	Propiconazole	Late	53.80	1.23	51.20	56.40
8	DG236L	Propiconazole	Head	53.10	1.23	50.50	55.70

Cercospora – Timing

This study aims to evaluate the best application timing to control *Cercospora* panicle-blight, *Cercospora* net blotch and narrow brown leaf spot. Narrow brown leaf spot did not develop on a significant level and the results are not included in this report.

Cercospora – Application Time 1 (P1C2)

Table 67 – Summary of material and methods applied to **Cercospora – Application Time 1 (P1C2)**, Crawley, 2025.

Planting Date:	March 18
Variety and Seed Rate	CL111 - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: March 20 and April 15 Flooded: April 30 (main crop); August 12 (ratoon) Drained: July 18 (main crop); October 16 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (April 30, 2025) Ratoon: 46-0- 0 [urea] - 250 lb/A (August 11, 2025)
Herbicides	• Command 6 fl oz/A, March 14 • Propanil 4 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, April 16 • Propanil 3 qt/A, Permit 1/3 oz/A, Londax 1.5 oz/A, Hook (NIS) 2.5 fl oz/A, May 1
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>NO</i>
Ratings	Narrow Brown Leaf Spot – July 23 (Virtually 0) <i>Cercospora</i> Net-Blotch lesion size and <i>Cercospora</i> Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	August 3 (Main crop) and October 31 (Ratoon)

Table 67 – Summary of material and methods applied to **Cercospora – Application Time 1 (P1C2)**, Crawley, 2025. (Continued)

Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> June 6, 8:30 AM • <i>Weather:</i> Temp: 79° F; RH: 89%; Wind Speed: 5-6 mph; Clouds: Sunny Panicle Differentiation + 14 days (PD14) • <i>Date and Time:</i> June 12, 1:30 PM • <i>Weather:</i> Temp: 90° F; RH: 68%; Wind Speed: 5-8 mph; Clouds: Cloudy Panicle Differentiation + 21 days (PD21) • <i>Date and Time:</i> June 19, 8:30 AM • <i>Weather:</i> Temp: 82° F; RH: 84%; Wind Speed: 4-6 mph; Clouds: Sunny Panicle Differentiation + 28 days (PD28) • <i>Date and Time:</i> June 26, 8:45 AM • <i>Weather:</i> Temp: 89° F; RH: 67%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy Panicle Differentiation + 35 days (PD35) • <i>Date and Time:</i> July 3, 8:15 AM • <i>Weather:</i> Temp: 89° F; RH: 70%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy Panicle Differentiation + 42 days (PD42) • <i>Date and Time:</i> July 10, 8:30 AM • <i>Weather:</i> Temp: 87° F; RH: 70%; Wind Speed: 2-3 mph; Clouds: Partly Cloudy
Comments	Mowed stubble on August 6

Table 68 – Effect of fungicide active ingredient and application timing on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB cm	SE cm	Lower cm	Upper cm
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	6.30	1.43	3.36	9.24
2	CL111	Propiconazole	PD7	8.70	1.43	5.76	11.60
3	CL111	Propiconazole	PD14	6.68	1.43	3.74	9.62
4	CL111	Propiconazole	PD21	5.27	1.43	2.33	8.21
5	CL111	Propiconazole	PD28	3.45	1.43	0.51	6.39
6	CL111	Propiconazole	PD35	6.09	1.43	3.15	9.03
7	CL111	Propiconazole	PD42	6.37	1.43	3.43	9.31
8	CL111	Prothioconazole	PD7	6.23	1.43	3.29	9.17
9	CL111	Prothioconazole	PD14	6.17	1.43	3.23	9.11
10	CL111	Prothioconazole	PD21	4.97	1.43	2.03	7.91
11	CL111	Prothioconazole	PD28	2.95	1.43	0.01	5.89
12	CL111	Prothioconazole	PD35	2.81	1.43	0.00	5.75
13	CL111	Prothioconazole	PD42	4.08	1.43	1.14	7.02
14	CL111	Mefentrifluconazole	PD7	5.96	1.43	3.02	8.90
15	CL111	Mefentrifluconazole	PD14	8.21	1.43	5.27	11.20
16	CL111	Mefentrifluconazole	PD21	5.08	1.43	2.14	8.02
17	CL111	Mefentrifluconazole	PD28	5.20	1.43	2.26	8.14
18	CL111	Mefentrifluconazole	PD35	4.43	1.43	1.49	7.37
19	CL111	Mefentrifluconazole	PD42	7.42	1.43	4.48	10.40

Table 69 – Effect of fungicide active ingredient and application timing on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	0.27	0.16	0.00	0.66
2	CL111	Propiconazole	PD7	0.56	0.16	0.17	0.95
3	CL111	Propiconazole	PD14	0.29	0.16	0.00	0.68
4	CL111	Propiconazole	PD21	0.82	0.23	0.35	1.30
5	CL111	Propiconazole	PD28	0.24	0.16	0.00	0.63
6	CL111	Propiconazole	PD35	0.40	0.16	0.01	0.79
7	CL111	Propiconazole	PD42	0.33	0.16	0.00	0.72
8	CL111	Prothioconazole	PD7	0.41	0.16	0.01	0.80
9	CL111	Prothioconazole	PD14	0.48	0.16	0.09	0.87
10	CL111	Prothioconazole	PD21	0.44	0.16	0.05	0.83
11	CL111	Prothioconazole	PD28	0.17	0.16	0.00	0.57
12	CL111	Prothioconazole	PD35	0.30	0.16	0.00	0.69
13	CL111	Prothioconazole	PD42	0.33	0.16	0.00	0.72
14	CL111	Mefentrifluconazole	PD7	0.36	0.16	0.00	0.75
15	CL111	Mefentrifluconazole	PD14	0.16	0.16	0.00	0.55
16	CL111	Mefentrifluconazole	PD21	0.37	0.16	0.00	0.76
17	CL111	Mefentrifluconazole	PD28	0.27	0.16	0.00	0.66
18	CL111	Mefentrifluconazole	PD35	0.15	0.16	0.00	0.55
19	CL111	Mefentrifluconazole	PD42	0.43	0.16	0.03	0.82

Table 70 – Effect of fungicide active ingredient and application timing on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	7471	215	6973	7969
2	CL111	Propiconazole	PD7	8000	215	7502	8498
3	CL111	Propiconazole	PD14	7950	215	7452	8448
4	CL111	Propiconazole	PD21	8097	215	7599	8595
5	CL111	Propiconazole	PD28	7856	215	7358	8354
6	CL111	Propiconazole	PD35	7728	215	7230	8226
7	CL111	Propiconazole	PD42	8013	215	7515	8511
8	CL111	Prothioconazole	PD7	7389	215	6891	7887
9	CL111	Prothioconazole	PD14	7812	215	7314	8310
10	CL111	Prothioconazole	PD21	7775	215	7277	8273
11	CL111	Prothioconazole	PD28	7416	215	6918	7914
12	CL111	Prothioconazole	PD35	8092	215	7594	8591
13	CL111	Prothioconazole	PD42	7969	215	7471	8467
14	CL111	Mefentrifluconazole	PD7	8292	215	7794	8790
15	CL111	Mefentrifluconazole	PD14	8167	215	7669	8665
16	CL111	Mefentrifluconazole	PD21	8346	215	7848	8844
17	CL111	Mefentrifluconazole	PD28	7916	215	7418	8414
18	CL111	Mefentrifluconazole	PD35	8219	215	7721	8717
19	CL111	Mefentrifluconazole	PD42	7676	215	7178	8174

Table 71 – Effect of fungicide active ingredient and application timing on **ratoon crop grain yield** (Ratoon; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Ratoon lb/a	SE lb/a	Lower lb/a	Upper lb/a
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	4702	170	4342	5062
2	CL111	Propiconazole	PD7	4724	170	4364	5084
3	CL111	Propiconazole	PD14	4788	170	4427	5148
4	CL111	Propiconazole	PD21	4577	170	4217	4937
5	CL111	Propiconazole	PD28	4712	170	4352	5072
6	CL111	Propiconazole	PD35	4322	170	3962	4682
7	CL111	Propiconazole	PD42	4820	170	4460	5180
8	CL111	Prothioconazole	PD7	4527	170	4167	4888
9	CL111	Prothioconazole	PD14	4762	170	4402	5123
10	CL111	Prothioconazole	PD21	4437	170	4076	4797
11	CL111	Prothioconazole	PD28	4826	170	4466	5186
12	CL111	Prothioconazole	PD35	4564	170	4204	4924
13	CL111	Prothioconazole	PD42	4312	170	3952	4672
14	CL111	Mefentrifluconazole	PD7	4809	170	4449	5169
15	CL111	Mefentrifluconazole	PD14	4719	170	4359	5079
16	CL111	Mefentrifluconazole	PD21	4782	170	4422	5142
17	CL111	Mefentrifluconazole	PD28	4687	170	4326	5047
18	CL111	Mefentrifluconazole	PD35	4653	170	4293	5013
19	CL111	Mefentrifluconazole	PD42	4785	170	4425	5145

Table 72 – Effect of fungicide active ingredient and application timing on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	71.10	0.35	70.30	71.80
2	CL111	Propiconazole	PD7	71.00	0.35	70.20	71.70
3	CL111	Propiconazole	PD14	71.20	0.35	70.40	71.90
4	CL111	Propiconazole	PD21	71.20	0.35	70.40	71.90
5	CL111	Propiconazole	PD28	71.40	0.35	70.70	72.20
6	CL111	Propiconazole	PD35	71.00	0.35	70.20	71.70
7	CL111	Propiconazole	PD42	71.40	0.35	70.70	72.20
8	CL111	Prothioconazole	PD7	70.80	0.35	70.00	71.50
9	CL111	Prothioconazole	PD14	71.20	0.35	70.50	72.00
10	CL111	Prothioconazole	PD21	70.60	0.35	69.80	71.30
11	CL111	Prothioconazole	PD28	71.00	0.35	70.30	71.80
12	CL111	Prothioconazole	PD35	70.90	0.35	70.20	71.70
13	CL111	Prothioconazole	PD42	71.40	0.35	70.70	72.20
14	CL111	Mefentrifluconazole	PD7	71.40	0.35	70.70	72.20
15	CL111	Mefentrifluconazole	PD14	71.10	0.35	70.40	71.90
16	CL111	Mefentrifluconazole	PD21	70.70	0.35	70.00	71.40
17	CL111	Mefentrifluconazole	PD28	71.20	0.35	70.40	71.90
18	CL111	Mefentrifluconazole	PD35	71.40	0.35	70.70	72.20
19	CL111	Mefentrifluconazole	PD42	70.90	0.35	70.20	71.60

Table 73 – Effect of fungicide active ingredient and application timing on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **first field** (P1C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	55.50	0.99	53.40	57.70
2	CL111	Propiconazole	PD7	56.20	0.99	54.10	58.40
3	CL111	Propiconazole	PD14	55.90	0.99	53.80	58.10
4	CL111	Propiconazole	PD21	55.20	0.99	53.00	57.30
5	CL111	Propiconazole	PD28	55.70	0.99	53.60	57.90
6	CL111	Propiconazole	PD35	55.80	0.99	53.70	58.00
7	CL111	Propiconazole	PD42	56.80	0.99	54.70	59.00
8	CL111	Prothioconazole	PD7	54.70	0.99	52.60	56.90
9	CL111	Prothioconazole	PD14	55.60	0.99	53.50	57.80
10	CL111	Prothioconazole	PD21	53.10	0.99	51.00	55.30
11	CL111	Prothioconazole	PD28	54.60	0.99	52.40	56.70
12	CL111	Prothioconazole	PD35	57.50	0.99	55.30	59.60
13	CL111	Prothioconazole	PD42	58.20	0.99	56.10	60.40
14	CL111	Mefen trifluconazole	PD7	57.00	0.99	54.80	59.10
15	CL111	Mefen trifluconazole	PD14	56.50	0.99	54.30	58.60
16	CL111	Mefen trifluconazole	PD21	55.80	0.99	53.70	58.00
17	CL111	Mefen trifluconazole	PD28	57.70	0.99	55.50	59.80
18	CL111	Mefen trifluconazole	PD35	58.10	0.99	56.00	60.20
19	CL111	Mefen trifluconazole	PD42	56.20	0.99	54.00	58.30

Cercospora – Application Time 2 (P2C2)

Table 74 – Summary of material and methods applied to **Cercospora – Application Time 2 (P2C2)**, Crawley, 2025.

Planting Date:	April 16
Variety and Seed Rate	PVL03 - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: May 26 (main crop); September 4 (ratoon) Drained: August 15 (main crop); November 3 (ratoon)
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0- 0 [urea] - 300 lb/A (May 23, 2025) Ratoon: 46-0- 0 [urea] - 150 lb/A (September 2, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Command 6 fl oz/A, April 16 • Tank-Mix propanil 3 qt/A, Prowl 1 qt/A, Gambit 2 oz/A, May 6 • Tank-Mix propanil 4 qt/A, Permit 1/2 oz/A, Facet ½ lbs/A, April 26 • Tank-Mix 2,4-D 1 qt/A, Grasp 2 fl oz/A, Crop oil 1 pt/A, September 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Narrow Brown Leaf Spot – August 13 (Virtually 0) Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	August 28 (Main crop) and November 3 (Ratoon)

Table 74 – Summary of material and methods applied to **Cercospora – Application Time 2 (P2C2)**, Crawley, 2025. (Continued)

Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> June 26, 8:45 AM • <i>Weather:</i> Temp: 89° F; RH: 67%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy Panicle Differentiation + 14 days (PD14) • <i>Date and Time:</i> July 3, 8:15 PM • <i>Weather:</i> Temp: 89° F; RH: 70%; Wind Speed: 3-5 mph; Clouds: Partly Cloudy Panicle Differentiation + 21 days (PD21) • <i>Date and Time:</i> July 10, 8:30 AM • <i>Weather:</i> Temp: 87° F; RH: 70%; Wind Speed: 2-3 mph; Clouds: Partly Cloudy Panicle Differentiation + 28 days (PD28) • <i>Date and Time:</i> July 17, 8:30 AM • <i>Weather:</i> Temp: 79° F; RH: 76%; Wind Speed: 3-4 mph; Clouds: Cloudy Panicle Differentiation + 35 days (PD35) • <i>Date and Time:</i> July 24, 9:00 AM • <i>Weather:</i> Temp: 88° F; RH: 72%; Wind Speed: 4-5 mph; Clouds: Cloudy Panicle Differentiation + 42 days (PD42) • <i>Date and Time:</i> July 31, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 66%; Wind Speed: 3-5 mph; Clouds: Mostly Cloudy
Comments	Developmental issues were noted throughout the entire field early in the season. These challenges were not specific to any single treatment or trial. While the precise cause is still unclear, it is hypothesized that nitrogen loss from pre-flood fertilization played a role. This stress led to lower yields, reduced grain quality, and decreased disease pressure because of a less dense canopy.

Table 75 – Effect of fungicide active ingredient and application timing on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (P2C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB cm	SE cm	Lower cm	Upper cm
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	14.00	1.43	11.10	16.80
2	CL111	Propiconazole	PD7	18.60	1.43	15.70	21.40
3	CL111	Propiconazole	PD14	13.80	1.43	10.90	16.70
4	CL111	Propiconazole	PD21	15.00	1.43	12.20	17.90
5	CL111	Propiconazole	PD28	16.80	1.43	13.90	19.70
6	CL111	Propiconazole	PD35	15.60	1.43	12.80	18.50
7	CL111	Propiconazole	PD42	14.90	1.43	12.00	17.70
8	CL111	Prothioconazole	PD7	14.40	1.43	11.50	17.30
9	CL111	Prothioconazole	PD14	16.70	1.43	13.90	19.60
10	CL111	Prothioconazole	PD21	12.70	1.43	9.86	15.60
11	CL111	Prothioconazole	PD28	15.00	1.43	12.10	17.80
12	CL111	Prothioconazole	PD35	12.40	1.43	9.55	15.30
13	CL111	Prothioconazole	PD42	14.80	1.43	11.90	17.70
14	CL111	Mefen trifluconazole	PD7	14.40	1.43	11.50	17.20
15	CL111	Mefen trifluconazole	PD14	13.90	1.43	11.10	16.80
16	CL111	Mefen trifluconazole	PD21	12.50	1.43	9.67	15.40
17	CL111	Mefen trifluconazole	PD28	14.70	1.43	11.80	17.50
18	CL111	Mefen trifluconazole	PD35	16.10	1.43	13.30	19.00
19	CL111	Mefen trifluconazole	PD42	13.40	1.43	10.50	16.20

Table 76 – Effect of fungicide active ingredient and application timing on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (P2C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	1.18	0.21	0.76	1.59
2	CL111	Propiconazole	PD7	1.52	0.21	1.11	1.94
3	CL111	Propiconazole	PD14	0.95	0.21	0.53	1.36
4	CL111	Propiconazole	PD21	1.23	0.21	0.81	1.65
5	CL111	Propiconazole	PD28	1.31	0.24	0.83	1.80
6	CL111	Propiconazole	PD35	1.10	0.21	0.68	1.52
7	CL111	Propiconazole	PD42	1.19	0.21	0.77	1.60
8	CL111	Prothioconazole	PD7	1.08	0.21	0.67	1.50
9	CL111	Prothioconazole	PD14	1.56	0.21	1.14	1.98
10	CL111	Prothioconazole	PD21	1.12	0.21	0.70	1.54
11	CL111	Prothioconazole	PD28	1.29	0.21	0.88	1.71
12	CL111	Prothioconazole	PD35	1.56	0.21	1.14	1.97
13	CL111	Prothioconazole	PD42	0.84	0.21	0.42	1.25
14	CL111	Mefentrifluconazole	PD7	1.16	0.21	0.74	1.57
15	CL111	Mefentrifluconazole	PD14	0.97	0.21	0.55	1.39
16	CL111	Mefentrifluconazole	PD21	0.73	0.21	0.31	1.14
17	CL111	Mefentrifluconazole	PD28	0.86	0.21	0.44	1.27
18	CL111	Mefentrifluconazole	PD35	0.89	0.21	0.47	1.31
19	CL111	Mefentrifluconazole	PD42	1.12	0.21	0.70	1.53

Table 77 – Effect of fungicide active ingredient and application timing on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (P2C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	3928	245	3380	4476
2	CL111	Propiconazole	PD7	3706	245	3158	4254
3	CL111	Propiconazole	PD14	3997	245	3449	4545
4	CL111	Propiconazole	PD21	4131	245	3583	4679
5	CL111	Propiconazole	PD28	3865	245	3317	4413
6	CL111	Propiconazole	PD35	3630	245	3082	4178
7	CL111	Propiconazole	PD42	4041	245	3493	4589
8	CL111	Prothioconazole	PD7	3682	245	3134	4230
9	CL111	Prothioconazole	PD14	3941	245	3393	4489
10	CL111	Prothioconazole	PD21	4009	245	3461	4557
11	CL111	Prothioconazole	PD28	3766	245	3217	4314
12	CL111	Prothioconazole	PD35	3936	245	3388	4485
13	CL111	Prothioconazole	PD42	3716	245	3168	4264
14	CL111	Mefentrifluconazole	PD7	4276	245	3728	4824
15	CL111	Mefentrifluconazole	PD14	4093	245	3544	4641
16	CL111	Mefentrifluconazole	PD21	4083	245	3535	4632
17	CL111	Mefentrifluconazole	PD28	4109	245	3561	4657
18	CL111	Mefentrifluconazole	PD35	4074	245	3526	4622
19	CL111	Mefentrifluconazole	PD42	3707	245	3159	4255

Table 78 – Effect of fungicide active ingredient and application timing on **ratoon crop grain yield** (Ratoon; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **second field (P2C2)** of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Ratoon lb/a	SE lb/a	Lower lb/a	Upper lb/a
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	1948	79.6	1789	2108
2	CL111	Propiconazole	PD7	1909	79.6	1749	2068
3	CL111	Propiconazole	PD14	2093	79.6	1934	2253
4	CL111	Propiconazole	PD21	1890	79.6	1731	2050
5	CL111	Propiconazole	PD28	1982	79.6	1823	2142
6	CL111	Propiconazole	PD35	2067	79.6	1907	2226
7	CL111	Propiconazole	PD42	1884	79.6	1724	2043
8	CL111	Prothioconazole	PD7	2132	79.6	1972	2291
9	CL111	Prothioconazole	PD14	1989	79.6	1830	2149
10	CL111	Prothioconazole	PD21	1858	79.6	1698	2017
11	CL111	Prothioconazole	PD28	1964	79.6	1804	2123
12	CL111	Prothioconazole	PD35	2113	79.6	1954	2273
13	CL111	Prothioconazole	PD42	1774	79.6	1614	1933
14	CL111	Mefentrifluconazole	PD7	2035	79.6	1876	2194
15	CL111	Mefentrifluconazole	PD14	1971	79.6	1811	2130
16	CL111	Mefentrifluconazole	PD21	2057	79.6	1898	2217
17	CL111	Mefentrifluconazole	PD28	2082	79.6	1923	2242
18	CL111	Mefentrifluconazole	PD35	2125	79.6	1966	2285
19	CL111	Mefentrifluconazole	PD42	2070	79.6	1911	2230

Table 79 – Effect of fungicide active ingredient and application timing on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (P2C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	65.70	0.48	64.80	66.70
2	CL111	Propiconazole	PD7	64.60	0.48	63.60	65.60
3	CL111	Propiconazole	PD14	65.30	0.48	64.30	66.20
4	CL111	Propiconazole	PD21	66.10	0.48	65.20	67.10
5	CL111	Propiconazole	PD28	64.50	0.48	63.50	65.40
6	CL111	Propiconazole	PD35	65.90	0.48	65.00	66.90
7	CL111	Propiconazole	PD42	65.60	0.48	64.70	66.60
8	CL111	Prothioconazole	PD7	64.60	0.48	63.60	65.50
9	CL111	Prothioconazole	PD14	65.20	0.48	64.30	66.20
10	CL111	Prothioconazole	PD21	65.00	0.48	64.00	65.90
11	CL111	Prothioconazole	PD28	65.80	0.48	64.80	66.80
12	CL111	Prothioconazole	PD35	65.60	0.48	64.60	66.60
13	CL111	Prothioconazole	PD42	65.90	0.48	65.00	66.90
14	CL111	Mefentrifluconazole	PD7	65.20	0.48	64.20	66.10
15	CL111	Mefentrifluconazole	PD14	65.60	0.48	64.60	66.60
16	CL111	Mefentrifluconazole	PD21	64.80	0.48	63.80	65.80
17	CL111	Mefentrifluconazole	PD28	65.90	0.48	65.00	66.90
18	CL111	Mefentrifluconazole	PD35	65.30	0.48	64.30	66.20
19	CL111	Mefentrifluconazole	PD42	65.40	0.48	64.50	66.40

Table 80 – Effect of fungicide active ingredient and application timing on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **second field** (P2C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	29.00	1.25	26.50	31.50
2	CL111	Propiconazole	PD7	29.70	1.25	27.20	32.20
3	CL111	Propiconazole	PD14	29.10	1.25	26.60	31.60
4	CL111	Propiconazole	PD21	31.10	1.25	28.60	33.60
5	CL111	Propiconazole	PD28	30.10	1.25	27.60	32.60
6	CL111	Propiconazole	PD35	32.40	1.25	29.90	34.90
7	CL111	Propiconazole	PD42	31.80	1.25	29.20	34.30
8	CL111	Prothioconazole	PD7	26.20	1.25	23.70	28.70
9	CL111	Prothioconazole	PD14	28.70	1.25	26.20	31.20
10	CL111	Prothioconazole	PD21	28.30	1.25	25.80	30.80
11	CL111	Prothioconazole	PD28	29.10	1.25	26.60	31.60
12	CL111	Prothioconazole	PD35	28.90	1.25	26.40	31.40
13	CL111	Prothioconazole	PD42	33.90	1.25	31.40	36.40
14	CL111	Mefen trifluconazole	PD7	29.10	1.25	26.60	31.60
15	CL111	Mefen trifluconazole	PD14	29.10	1.25	26.60	31.60
16	CL111	Mefen trifluconazole	PD21	29.70	1.25	27.20	32.20
17	CL111	Mefen trifluconazole	PD28	32.80	1.25	30.30	35.30
18	CL111	Mefen trifluconazole	PD35	31.30	1.25	28.80	33.80
19	CL111	Mefen trifluconazole	PD42	29.90	1.25	27.40	32.40

Cercospora – Application Time 3 (P3C2)

Table 81 – Summary of material and methods applied to **Cercospora - Application Time 3 (P3C2)**, Crawley, 2025.

Planting Date:	May 14
Variety and Seed Rate	CL111 - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: June 5 Drained: September 2
Fertilization	Pre-planting: 0-24-24 250 lb/A - 250 lb/A (September 25, 2024) Preflood: 46-0-0 [urea] - 300 lb/A (June 4, 2025)
Herbicides	• Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, Valor 2 fl oz/A, November 25, 2024 • Tank-Mix Glyphosate 1 qt/A, 2,4-D 1 pt/A, March 13 • Tank-Mix Glyphosate 1 qt/A, First Shot 0.8 oz/A, April 22 • Command 6 fl oz/A, May 16 • Tank-Mix propanil 4 qt/A, Facet 1 qt/A, Prowl 1 qt/A, Permit 1 oz/A, Londax 1 oz/A, June 2
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Narrow Brown Leaf Spot – September 2 (Virtually 0 – Data not show) Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	September 15
Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> July 10, 8:45 AM • <i>Weather:</i> Temp: 87° F; RH: 70%; Wind Speed: 2-3 mph; Clouds: Partly Cloudy Panicle Differentiation + 14 days (PD14) • <i>Date and Time:</i> July 18, 8:30 PM • <i>Weather:</i> Temp: 79° F; RH: 76%; Wind Speed: 2-3 mph; Clouds: Cloudy Panicle Differentiation + 21 days (PD21) • <i>Date and Time:</i> July 24, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 72%; Wind Speed: 4-5 mph; Clouds: Cloudy Panicle Differentiation + 28 days (PD28) • <i>Date and Time:</i> July 31, 8:30 AM • <i>Weather:</i> Temp: 88° F; RH: 66%; Wind Speed: 3-5 mph; Clouds: Mostly Cloudy Panicle Differentiation + 35 days (PD35) • <i>Date and Time:</i> August 7, 8:15 AM • <i>Weather:</i> Temp: 89° F; RH: 72%; Wind Speed: 2-3 mph; Clouds: Sunny Panicle Differentiation + 42 days (PD42) • <i>Date and Time:</i> August 14, 8:30 AM • <i>Weather:</i> Temp: 90° F; RH: 73%; Wind Speed: Light; Clouds: Partly Cloudy

Table 82 – Effect of fungicide active ingredient and application timing on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (P3C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CNB cm	SE cm	Lower cm	Upper cm
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	12.00	2.40	7.13	16.90
2	CL111	Propiconazole	PD7	14.10	3.00	7.99	20.20
3	CL111	Propiconazole	PD14	8.63	2.40	3.75	13.50
4	CL111	Propiconazole	PD21	13.20	2.40	8.28	18.00
5	CL111	Propiconazole	PD28	12.60	2.40	7.69	17.40
6	CL111	Propiconazole	PD35	14.20	2.40	9.29	19.00
7	CL111	Propiconazole	PD42	10.00	2.40	5.15	14.90
8	CL111	Prothioconazole	PD7	13.40	2.40	8.55	18.30
9	CL111	Prothioconazole	PD14	13.00	2.40	8.15	17.90
10	CL111	Prothioconazole	PD21	13.60	2.40	8.74	18.50
11	CL111	Prothioconazole	PD28	10.60	2.40	5.68	15.40
12	CL111	Prothioconazole	PD35	11.10	2.40	6.21	16.00
13	CL111	Prothioconazole	PD42	11.80	2.40	6.88	16.60
14	CL111	Mefen trifluconazole	PD7	9.04	2.40	4.17	13.90
15	CL111	Mefen trifluconazole	PD14	8.30	3.00	2.22	14.40
16	CL111	Mefen trifluconazole	PD21	14.20	2.40	9.35	19.10
17	CL111	Mefen trifluconazole	PD28	11.80	2.40	6.88	16.60
18	CL111	Mefen trifluconazole	PD35	10.90	3.00	4.78	17.00
19	CL111	Mefen trifluconazole	PD42	11.10	2.40	6.21	16.00

Table 83 – Effect of fungicide active ingredient and application timing on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (P3C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				CPB	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	1.88	0.51	0.84	2.92
2	CL111	Propiconazole	PD7	1.74	0.64	0.44	3.04
3	CL111	Propiconazole	PD14	2.46	0.64	1.15	3.77
4	CL111	Propiconazole	PD21	2.67	0.51	1.63	3.72
5	CL111	Propiconazole	PD28	2.29	0.51	1.24	3.33
6	CL111	Propiconazole	PD35	2.71	0.51	1.67	3.76
7	CL111	Propiconazole	PD42	2.41	0.51	1.36	3.45
8	CL111	Prothioconazole	PD7	2.14	0.51	1.10	3.18
9	CL111	Prothioconazole	PD14	2.51	0.51	1.46	3.55
10	CL111	Prothioconazole	PD21	2.71	0.51	1.66	3.75
11	CL111	Prothioconazole	PD28	2.87	0.51	1.83	3.92
12	CL111	Prothioconazole	PD35	2.21	0.51	1.17	3.26
13	CL111	Prothioconazole	PD42	1.65	0.51	0.61	2.70
14	CL111	Mefen trifluconazole	PD7	2.01	0.51	0.96	3.05
15	CL111	Mefen trifluconazole	PD14	2.04	0.64	0.74	3.34
16	CL111	Mefen trifluconazole	PD21	2.23	0.51	1.18	3.27
17	CL111	Mefen trifluconazole	PD28	1.65	0.51	0.61	2.70
18	CL111	Mefen trifluconazole	PD35	2.72	0.64	1.42	4.02
19	CL111	Mefen trifluconazole	PD42	2.41	0.51	1.36	3.45

Table 84 – Effect of fungicide active ingredient and application timing on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (P3C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	4411	312	3778	5044
2	CL111	Propiconazole	PD7	4460	312	3827	5093
3	CL111	Propiconazole	PD14	5283	312	4650	5916
4	CL111	Propiconazole	PD21	4875	312	4242	5508
5	CL111	Propiconazole	PD28	4589	312	3956	5222
6	CL111	Propiconazole	PD35	4671	312	4038	5305
7	CL111	Propiconazole	PD42	3962	312	3329	4595
8	CL111	Prothioconazole	PD7	4746	312	4113	5379
9	CL111	Prothioconazole	PD14	4659	312	4026	5292
10	CL111	Prothioconazole	PD21	4294	312	3661	4927
11	CL111	Prothioconazole	PD28	4725	312	4092	5358
12	CL111	Prothioconazole	PD35	3872	312	3239	4505
13	CL111	Prothioconazole	PD42	3708	312	3075	4341
14	CL111	Mefentrifluconazole	PD7	4976	312	4343	5609
15	CL111	Mefentrifluconazole	PD14	4718	312	4085	5351
16	CL111	Mefentrifluconazole	PD21	4901	312	4268	5534
17	CL111	Mefentrifluconazole	PD28	4295	312	3662	4928
18	CL111	Mefentrifluconazole	PD35	4539	312	3906	5172
19	CL111	Mefentrifluconazole	PD42	4505	312	3871	5138

Table 85 – Effect of fungicide active ingredient and application timing on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (P3C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Total %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	72.70	0.72	71.20	74.20
2	CL111	Propiconazole	PD7	72.70	0.72	71.20	74.20
3	CL111	Propiconazole	PD14	73.40	0.72	72.00	74.90
4	CL111	Propiconazole	PD21	73.60	0.72	72.20	75.10
5	CL111	Propiconazole	PD28	74.40	0.72	72.90	75.90
6	CL111	Propiconazole	PD35	73.70	0.72	72.20	75.20
7	CL111	Propiconazole	PD42	72.60	0.72	71.10	74.00
8	CL111	Prothioconazole	PD7	73.30	0.72	71.80	74.70
9	CL111	Prothioconazole	PD14	72.10	0.72	70.70	73.60
10	CL111	Prothioconazole	PD21	72.30	0.72	70.90	73.80
11	CL111	Prothioconazole	PD28	73.50	0.72	72.00	75.00
12	CL111	Prothioconazole	PD35	72.60	0.72	71.10	74.10
13	CL111	Prothioconazole	PD42	73.20	0.72	71.70	74.60
14	CL111	Mefentrifluconazole	PD7	72.70	0.72	71.20	74.10
15	CL111	Mefentrifluconazole	PD14	73.10	0.72	71.70	74.60
16	CL111	Mefentrifluconazole	PD21	73.40	0.72	71.90	74.80
17	CL111	Mefentrifluconazole	PD28	72.60	0.72	71.10	74.10
18	CL111	Mefentrifluconazole	PD35	73.00	0.72	71.50	74.40
19	CL111	Mefentrifluconazole	PD42	73.60	0.72	72.10	75.00

Table 86 – Effect of fungicide active ingredient and application timing on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **third field** (P3C2) of the Cercospora Integrated Pest Management trial, Crowley, LA, 2025.

Description				Head	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	46.40	1.91	42.50	50.30
2	CL111	Propiconazole	PD7	44.70	1.91	40.80	48.60
3	CL111	Propiconazole	PD14	47.20	1.91	43.30	51.00
4	CL111	Propiconazole	PD21	48.80	1.91	45.00	52.70
5	CL111	Propiconazole	PD28	53.50	1.91	49.60	57.40
6	CL111	Propiconazole	PD35	49.20	1.91	45.30	53.10
7	CL111	Propiconazole	PD42	46.40	1.91	42.60	50.30
8	CL111	Prothioconazole	PD7	47.50	1.91	43.60	51.40
9	CL111	Prothioconazole	PD14	43.20	1.91	39.30	47.10
10	CL111	Prothioconazole	PD21	46.10	1.91	42.20	50.00
11	CL111	Prothioconazole	PD28	50.10	1.91	46.20	54.00
12	CL111	Prothioconazole	PD35	47.70	1.91	43.80	51.60
13	CL111	Prothioconazole	PD42	50.30	1.91	46.40	54.20
14	CL111	Mefentrifluconazole	PD7	47.70	1.91	43.80	51.60
15	CL111	Mefentrifluconazole	PD14	49.20	1.91	45.30	53.10
16	CL111	Mefentrifluconazole	PD21	49.40	1.91	45.50	53.20
17	CL111	Mefentrifluconazole	PD28	49.60	1.91	45.70	53.50
18	CL111	Mefentrifluconazole	PD35	50.00	1.91	46.20	53.90
19	CL111	Mefentrifluconazole	PD42	49.30	1.91	45.40	53.20

Cercospora – Application Time 4 (P4C2)

Table 87 – Summary of material and methods applied to **Cercospora - Application Time 4 (P4C2)**, Lake Arthur, 2025.

Planting Date:	March 14
Variety and Seed Rate	CL111 - 100 lb/a
Experimental Design	Randomized complete block design with three replications. Plot size: 4.66 x 16 ft
Water Management	Flush: None Flooded: April 19 Drained: July 9
Fertilization	Pre-planting: Planting Day: 250 lbs/A - 8-24-24 March 14 Preflood: 300 lb/A - 46-0- 0 [urea] – April 17
Herbicides	• Tank-Mix Glyphosate 1 qt/A, Command 4 fl oz/A, Sharpen 2 fl oz/A, March 14 • Tank-Mix propanil 3 qt/A, Gambit 1 oz/A, Prowl 1 qt/A, April 8
Insecticides	Dermacor X-100 seed treatment
Inoculation	<i>None</i>
Ratings	Cercospora Net-Blotch lesion size and Cercospora Panicle Blight severity were evaluated in the laboratory with 50 plants per plot
Harvest	July 29
Application Conditions	Panicle Differentiation + 7 days (PD7) • <i>Date and Time:</i> May 30, 9:30 AM • <i>Weather:</i> Temp: 83° F; RH: 82%; Wind Speed: 3-4 mph; Clouds: Partly Cloudy Panicle Differentiation + 14 days (PD14) • <i>Date and Time:</i> June 5, 9:00 AM • <i>Weather:</i> Temp: 83° F; RH: 76%; Wind Speed: 3 mph; Clouds: Sunny Panicle Differentiation + 21 days (PD21) • <i>Date and Time:</i> June 11, 9:00 AM • <i>Weather:</i> Temp: 78° F; RH: 90%; Wind Speed: 8 mph; Clouds: Sunny Panicle Differentiation + 28 days (PD28) • <i>Date and Time:</i> June 19, 10:15 AM • <i>Weather:</i> Temp: 87° F; RH: 70%; Wind Speed: 6-8 mph; Clouds: Sunny Panicle Differentiation + 35 days (PD35) • <i>Date and Time:</i> June 26, 9:00 AM • <i>Weather:</i> Temp: 88° F; RH: 80%; Wind Speed: 4-7 mph; Clouds: Sunny Panicle Differentiation + 42 days (PD42) • <i>Date and Time:</i> July 2, 9:00 AM • <i>Weather:</i> Temp: 86° F; RH: 74%; Wind Speed: 8 mph; Clouds: Sunny

Table 88 – Effect of fungicide active ingredient and application timing on **Cercospora net blotch lesion size** (CNB; cm), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				CNB cm	SE cm	Lower cm	Upper cm
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	5.30	1.50	2.26	8.34
2	CL111	Propiconazole	PD7	6.79	1.50	3.75	9.84
3	CL111	Propiconazole	PD14	5.37	1.50	2.33	8.42
4	CL111	Propiconazole	PD21	6.28	1.50	3.24	9.33
5	CL111	Propiconazole	PD28	7.62	1.50	4.58	10.70
6	CL111	Propiconazole	PD35	11.20	1.50	8.19	14.30
7	CL111	Propiconazole	PD42	9.43	1.50	6.38	12.50
8	CL111	Prothioconazole	PD7	6.36	1.50	3.31	9.40
9	CL111	Prothioconazole	PD14	4.91	1.50	1.87	7.95
10	CL111	Prothioconazole	PD21	7.95	1.50	4.91	11.00
11	CL111	Prothioconazole	PD28	4.07	1.50	1.02	7.11
12	CL111	Prothioconazole	PD35	7.31	1.50	4.27	10.40
13	CL111	Prothioconazole	PD42	5.53	1.50	2.48	8.57
14	CL111	Mefentrifluconazole	PD7	11.90	1.50	8.82	14.90
15	CL111	Mefentrifluconazole	PD14	7.87	1.50	4.83	10.90
16	CL111	Mefentrifluconazole	PD21	6.00	1.50	2.96	9.04
17	CL111	Mefentrifluconazole	PD28	8.65	1.50	5.61	11.70
18	CL111	Mefentrifluconazole	PD35	7.79	1.50	4.74	10.80
19	CL111	Mefentrifluconazole	PD42	8.93	1.50	5.89	12.00

Table 89 – Effect of fungicide active ingredient and application timing on **Cercospora panicle blight score** (CPB; 0-9), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				CBP	SE	Lower	Upper
Units				0-9	0-9	0-9	0-9
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	1.09	0.23	0.63	1.55
2	CL111	Propiconazole	PD7	1.40	0.23	0.94	1.86
3	CL111	Propiconazole	PD14	1.43	0.23	0.97	1.89
4	CL111	Propiconazole	PD21	1.32	0.23	0.86	1.78
5	CL111	Propiconazole	PD28	1.22	0.23	0.76	1.68
6	CL111	Propiconazole	PD35	1.76	0.23	1.30	2.22
7	CL111	Propiconazole	PD42	1.66	0.23	1.20	2.12
8	CL111	Prothioconazole	PD7	1.37	0.23	0.91	1.83
9	CL111	Prothioconazole	PD14	0.75	0.23	0.29	1.21
10	CL111	Prothioconazole	PD21	0.93	0.23	0.47	1.39
11	CL111	Prothioconazole	PD28	0.76	0.23	0.30	1.22
12	CL111	Prothioconazole	PD35	1.31	0.23	0.85	1.77
13	CL111	Prothioconazole	PD42	0.93	0.23	0.47	1.39
14	CL111	Mefentrifluconazole	PD7	1.03	0.23	0.57	1.49
15	CL111	Mefentrifluconazole	PD14	0.89	0.23	0.43	1.35
16	CL111	Mefentrifluconazole	PD21	0.60	0.23	0.14	1.06
17	CL111	Mefentrifluconazole	PD28	0.69	0.23	0.23	1.15
18	CL111	Mefentrifluconazole	PD35	0.53	0.23	0.07	0.99
19	CL111	Mefentrifluconazole	PD42	1.11	0.23	0.65	1.57

Table 90 – Effect of fungicide active ingredient and application timing on **main crop grain yield** (YLD; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				YLD	SE	Lower	Upper
Units				lb/a	lb/a	lb/a	lb/a
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	7380	348	6677	8084
2	CL111	Propiconazole	PD7	7672	348	6968	8376
3	CL111	Propiconazole	PD14	7743	348	7039	8446
4	CL111	Propiconazole	PD21	8117	348	7413	8821
5	CL111	Propiconazole	PD28	7307	348	6604	8011
6	CL111	Propiconazole	PD35	7902	348	7198	8606
7	CL111	Propiconazole	PD42	7297	348	6593	8001
8	CL111	Prothioconazole	PD7	7756	348	7052	8460
9	CL111	Prothioconazole	PD14	7859	348	7155	8562
10	CL111	Prothioconazole	PD21	7751	348	7047	8455
11	CL111	Prothioconazole	PD28	7625	348	6921	8329
12	CL111	Prothioconazole	PD35	7641	348	6937	8345
13	CL111	Prothioconazole	PD42	7629	348	6925	8332
14	CL111	Mefentrifluconazole	PD7	8109	348	7405	8812
15	CL111	Mefentrifluconazole	PD14	7905	348	7202	8609
16	CL111	Mefentrifluconazole	PD21	7978	348	7274	8682
17	CL111	Mefentrifluconazole	PD28	8054	348	7351	8758
18	CL111	Mefentrifluconazole	PD35	8019	348	7316	8723
19	CL111	Mefentrifluconazole	PD42	7919	348	7215	8623

Table 91 – Effect of fungicide active ingredient and application timing on **ratoon crop grain yield** (Ratoon; lb/a), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				Ratoon lb/a	SE lb/a	Lower lb/a	Upper lb/a
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	2105	149	1802	2407
2	CL111	Propiconazole	PD7	2290	149	1987	2592
3	CL111	Propiconazole	PD14	1962	149	1659	2264
4	CL111	Propiconazole	PD21	2075	149	1773	2378
5	CL111	Propiconazole	PD28	1906	149	1604	2209
6	CL111	Propiconazole	PD35	1906	149	1604	2209
7	CL111	Propiconazole	PD42	1992	149	1689	2294
8	CL111	Prothioconazole	PD7	1797	149	1494	2099
9	CL111	Prothioconazole	PD14	2094	149	1791	2396
10	CL111	Prothioconazole	PD21	2106	149	1804	2409
11	CL111	Prothioconazole	PD28	2150	149	1848	2453
12	CL111	Prothioconazole	PD35	1916	149	1613	2218
13	CL111	Prothioconazole	PD42	1930	149	1628	2233
14	CL111	Mefentrifluconazole	PD7	2056	149	1754	2359
15	CL111	Mefentrifluconazole	PD14	2155	149	1853	2458
16	CL111	Mefentrifluconazole	PD21	2220	149	1918	2523
17	CL111	Mefentrifluconazole	PD28	2049	149	1746	2351
18	CL111	Mefentrifluconazole	PD35	2381	149	2079	2684
19	CL111	Mefentrifluconazole	PD42	2169	149	1867	2472

Table 92 – Effect of fungicide active ingredient and application timing on **main crop milling yield – total** (total; %), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				Total %	SE %	Lower %	Upper %
Units							
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	73.00	0.37	72.20	73.70
2	CL111	Propiconazole	PD7	73.00	0.37	72.20	73.70
3	CL111	Propiconazole	PD14	72.80	0.37	72.00	73.60
4	CL111	Propiconazole	PD21	72.90	0.37	72.10	73.60
5	CL111	Propiconazole	PD28	72.50	0.37	71.70	73.20
6	CL111	Propiconazole	PD35	72.60	0.37	71.90	73.40
7	CL111	Propiconazole	PD42	72.70	0.37	71.90	73.40
8	CL111	Prothioconazole	PD7	72.30	0.37	71.60	73.10
9	CL111	Prothioconazole	PD14	72.40	0.37	71.70	73.20
10	CL111	Prothioconazole	PD21	72.90	0.37	72.10	73.60
11	CL111	Prothioconazole	PD28	72.90	0.37	72.10	73.60
12	CL111	Prothioconazole	PD35	72.40	0.37	71.70	73.20
13	CL111	Prothioconazole	PD42	72.00	0.37	71.20	72.70
14	CL111	Mefentrifluconazole	PD7	72.30	0.37	71.60	73.10
15	CL111	Mefentrifluconazole	PD14	72.70	0.37	72.00	73.50
16	CL111	Mefentrifluconazole	PD21	72.60	0.37	71.80	73.30
17	CL111	Mefentrifluconazole	PD28	72.50	0.37	71.70	73.20
18	CL111	Mefentrifluconazole	PD35	73.20	0.37	72.50	74.00
19	CL111	Mefentrifluconazole	PD42	72.20	0.37	71.40	72.90

Table 93 – Effect of fungicide active ingredient and application timing on **main crop milling yield – head** (Head; %), including standard error and 95% confidence interval (lower and upper limits), from the **Lake Arthur field** (P4C2) of the Cercospora Integrated Pest Management trial, Lake Arthur, LA, 2025.

Description				Head	SE	Lower	Upper
Units				%	%	%	%
Treatment	Genotype	Fungicide	Timing				
1	CL111	Untreated Check	UTC	61.30	0.79	59.70	62.90
2	CL111	Propiconazole	PD7	60.60	0.79	59.00	62.30
3	CL111	Propiconazole	PD14	60.30	0.79	58.70	61.90
4	CL111	Propiconazole	PD21	61.40	0.79	59.80	63.00
5	CL111	Propiconazole	PD28	59.60	0.79	58.00	61.20
6	CL111	Propiconazole	PD35	60.30	0.79	58.70	61.90
7	CL111	Propiconazole	PD42	61.40	0.79	59.80	63.00
8	CL111	Prothioconazole	PD7	59.50	0.79	57.90	61.10
9	CL111	Prothioconazole	PD14	59.20	0.79	57.60	60.80
10	CL111	Prothioconazole	PD21	60.30	0.79	58.70	61.90
11	CL111	Prothioconazole	PD28	61.20	0.79	59.60	62.80
12	CL111	Prothioconazole	PD35	60.80	0.79	59.20	62.40
13	CL111	Prothioconazole	PD42	60.40	0.79	58.80	62.00
14	CL111	Mefentrifluconazole	PD7	59.90	0.79	58.20	61.50
15	CL111	Mefentrifluconazole	PD14	61.00	0.79	59.40	62.60
16	CL111	Mefentrifluconazole	PD21	60.00	0.79	58.40	61.60
17	CL111	Mefentrifluconazole	PD28	61.60	0.79	60.00	63.20
18	CL111	Mefentrifluconazole	PD35	62.20	0.79	60.60	63.80
19	CL111	Mefentrifluconazole	PD42	60.50	0.79	58.90	62.10

RICE ENTOMOLOGY RESEARCH

Screening Modern Commercial Varieties and Advanced Experimental Lines for Resistance to Insect Pests

Blake E. Wilson, Tanner Lagrange, and Tyler Musgrove

Varietal resistance is a key component of integrated pest management programs for insect pests of rice. Insect-resistant varieties can reduce reliance on insecticides and mitigate the development of insecticide resistance. Louisiana rice varieties differ in susceptibility to the rice water weevil, *Lissorhoptrus oryzophilus*, but nearly always require insecticidal protection to prevent yield loss. In contrast, varietal resistance to stem borers can reduce the need for chemical controls. Determination of relative levels of resistance to both pests is necessary to help growers develop variety-specific pest management plans.

Resistance to the rice water weevil and stem borers was evaluated in a small plot trial at the H. Rouse Caffey Rice Research Station in Crowley, LA. The trial was planted April 23, 2025 in a randomized block design with four replications. Twelve varieties were included (5 commercial varieties and 7 advanced experimental lines) both non-treated and protected with the Dermacor X-100 and Cruiser 5FS seed treatments. Variety $\times$ insecticide factorial treatments were randomized to plots. Permanent flood was established on June 4, 2025. Three weevil corers per plot were taken on June 27 and July 9, 2025. Weevil data were averaged across samples and dates prior to analysis. Stemborer infestations were quantified on July 29, 2025 by counting whiteheads per plot. Yield data were adjusted to 14% moisture after harvest. Data were analyzed with generalized linear mixed models (SAS Proc Glimmix) with variety, insecticide treatment, and the interaction as fixed effects and replication as the random effect. Means were separated with Tukey's HSD.

Rice water weevil infestations were influenced by variety and insecticide treatment, but not the interaction (Table 1). Across varieties, insecticides treatments reduced weevil density by 38% (10.7 weevil/core) relative to the non-treated (17.0). Across insecticide treatments, weevil densities were greatest in Venus (18.8) and least in PVL03 (9.6). Stemborer infestations were influenced by variety, insecticide treatment, and the interaction (Table 1). Across varieties, insecticides treatments reduced whitehead density by 50% (1.6/m²) relative to the non-treated (3.2). Across insecticide treatments, whitehead density was greatest in DG263L-PV (6.7) and least in experimental line 211L1008 (0.8). Non-treated DG263L-PV had 10.3 whiteheads/m², greater than all other treatments except non-treated PVL05. Rice yields were influenced by variety and insecticide treatment, but not the interaction (Table 1). Across varieties, insecticides treatments improved rice yields by 9% (6,221 lbs/acre) over nontreated controls (5,710). Across insecticide treatments, rice yield was greatest in DG263L-PV (6,978) and least in Venus (4,743).

Table 1. Rice insect infestations and yields as influenced by insecticide treatments, Crowley, LA, 2025

Variety	Treatment	Weevils/core	Whiteheads/m ²	Yield (lbs/acre)
Venus	Non-treated	24.2	2.5 b	4,436
Venus	Dermacor + Cruiser	13.3	1.2 b	5,050
Fitzgerald	Non-treated	19.8	1.4 b	4,940
Fitzgerald	Dermacor + Cruiser	12.9	0.6 b	5,582
CLL19	Non-treated	16.8	0.7 b	6,126
CLL19	Dermacor + Cruiser	11.1	1.8 b	6,824
PVL03	Non-treated	11.6	4.0 b	5,120
PVL03	Dermacor + Cruiser	7.7	2.0 b	5,355
PVL05	Non-treated	15.1	4.8 ab	5,279
PVL05	Dermacor + Cruiser	10.5	2.2 b	5,678
DG263L-PV	Non-treated	14.5	10.3 a	7,133
DG263L-PV	Dermacor + Cruiser	9.3	3.2 b	6,824
21L1008	Non-treated	19.3	1.4 b	5,453
21L1008	Dermacor + Cruiser	13.0	0.2 b	6,327
201L1251	Non-treated	16.4	2.4 b	6,361
201L1251	Dermacor + Cruiser	11.8	1.0 b	6,650
RU2102222	Non-treated	16.8	4.0 b	7,065
RU2102222	Dermacor + Cruiser	11.2	0.3 b	6,299
222L1082	Non-treated	22.7	2.2 b	5,832
222L1082	Dermacor + Cruiser	10.1	1.2 b	6,310
223L1236	Non-treated	12.0	3.6 b	5,746
223L1236	Dermacor + Cruiser	7.9	1.0 b	5,357
223L1139	Non-treated	15.0	4.2 b	6,488
223L1139	Dermacor + Cruiser	9.0	2.2 b	6,933
Variety	SE =	1.3	0.78	153
Variety	$F_{11,36} =$	4.56	4.23	21.8
Variety	$P =$	< 0.001	< 0.001	< 0.001
Treatment	SE =	0.5	0.32	60.3
Treatment	$F_{1,36} =$	107.7	14.53	38.6
Treatment	$P =$	< 0.001	< 0.001	< 0.001
Variety × treatment	SE =	1.67	1.1	209
Variety × treatment	$F_{11,36} =$	1.60	2.11	0.51
Variety × treatment	$P =$	0.141	0.030	0.883

Efficacy of Foliar and Seed Applied Insecticides for Control of Rice Water Weevil and Stem Borers, 2025

Blake E. Wilson, Tanner Lagrange, and Tyler Musgrove

Insecticidal seed treatments are widely used to control key pests of rice including the rice water weevil (*Lissorhoptrus oryzophilus*), stem borers, and other insect pests. Reduced efficacy and control failures have been reported in recent years, raising concern over the viability of continued reliance on seed treatments as the sole rice pest management strategy. Efficacy of insecticidal seed treatments is poorest in late-planted rice.

Prior to the registration of seed treatments, rice water weevil was controlled by applications of foliar insecticides applied pre- and post- flooding to kill adult weevils and prevent egg-laying. These foliar applications reduced infestations but often required multiple applications to protect yields. If used together with insecticidal seed treatments, foliar-applied insecticides may provide additional protection to reduce weevil infestations to acceptable levels.

A field trial was planted on March 19, 2025 to evaluate the efficacy of insecticidal seed treatments used with and without foliar insecticides for control of rice water weevil and stem borers. Rice (Var. Chenier) was planted in a randomized block design with four replications. Treatments included (1) Dermacor X-100, (2) Dermacor X-100 + Cruiser 5FS, (3) Fortenza + Cruiser 5FS, (4) Dermacor X-100 + foliar Belay at 4.5 fl oz/acre, (5) Dermacor X-100 + foliar Warrior at 1.9 fl oz/acre, (6) Dermacor X-100 + foliar Warrior at 2.8 fl oz/acre, and (7) a non-treated control. Foliar insecticides were applied on May 1, 2025 just prior to establishment of the permanent flood. Foliar applications were made with a CO₂-pressurized backpack sprayer calibrated to deliver 15 gallons/acre.

Rice water weevil infestations were quantified from three soil cores per plot on May 20, 2025. Stem borer infestations were quantified by counting the number of blanked panicles, “whiteheads” on July 17, 2025. Plots were harvested on August 4, 2025 and yield data were adjusted to 14% moisture. Data were analyzed with generalized linear mixed models (SAS proc Glimmix) and means were separated with Tukey’s HSD. All insecticide treatments reduced rice water infestations relative to non-treated controls, providing 60–82% control (Table 1). Treatments containing to insecticidal seed treatments provided the greatest level of control. Insecticides did not significantly affect whitehead densities, but treatments which included Dermacor had the numerically lowest levels. Insecticides improved rice yields by 11–18% over non-treated controls. Rice yields generally reflected the level of rice water weevil control achieved. Results suggest the use of multiple insecticidal seed treatments may be more effective than single seed treatments used in combination with foliar insecticides.

Table 1. Rice insect infestations and yields as influenced by insecticide treatments, Crowley, LA, 2025

Treatment	RWW 5/20	Whiteheads Per m ²	Yield (lbs/acre)
Non-treated control	20.0 a	0.43	7,565 b
Dermacor	6.0 b	0.07	8,535 ab
Dermacor + Cruiser	3.6 b	0.15	8,904 a
Fortenza + Cruiser	3.8 b	0.57	8,912 a
Dermacor + Belay	7.7 b	0.07	8,424 ab
Dermacor + Warrior (1x)	5.8 b	0.03	8,524 ab
Dermacor + Warrior (2x)	7.1 b	0.07	8,593 ab
SE =	2.2	0.18	248
$F_{6, 18} =$	6.65	1.77	3.37
$P =$	< 0.001	0.162	0.021

Evaluation of Major Insect Pest Complexes in Rice Following Winter Planted Cover Crops

C.E. Gambino, B.E. Wilson, T.D. LaGrange, and M.J. Stout

Winter cover crops are commonly used in dry land crops as a means of soil improvement, attractant of natural predators, and weed suppression. The use of winter covers has been understudied in Louisiana's paddy rice systems. Insecticidal seed treatments are the primary control strategy of rice's insect complex, rice water weevil (RWW), *Lissorhoptrus oryzophilus*, and the Mexican rice borer, *Eoreuma loftini*, and rice stink bug (RSB), *Oebalus pugnax*, represent a major threat to all stages of rice production. Evaluations of different cultural practices are needed because of concerns about the development of resistance.

Cover crop strips (1.5 m × 55 m) were planted at the H. Rouse Caffey Rice Research Station in Crowley, LA, on 15 October 2024, using Austrian winter pea, *Pisum sativum*, black cosaque oat, *Avena sativa* L., and sodbuster radish, *Raphanus sativus* L., (Petcher Seeds LLC, Fruitdale, AL) at 22.0, 6.8, and 1.3 kg ha⁻¹, respectively. A randomized block design with three replications compared the cover crop mix to a fallow control, both subjected to the same nitrogen rates and seed treatments.

Cover crops were terminated in February 2025, with a tillage of 3 inches. Rice variety PVL03 (Horizon Ag) was no-till drill-seeded on 13 March 2025, at 36 kg ha⁻¹ in 0.007 ha plots, with seeds either treated with chlorantraniliprole (IST) (Dermacor® X-100, Corteva Agriscience) at 51.7 mL ha⁻¹ or untreated (UTC). Urea was applied on 16 April 2025, at 0, 45, 113, and 181 kg ha⁻¹. Stand counts used 0.09 m² quadrats from three random plot locations. A permanent flood (5–10 cm) was established on 21 April 2024.

Weevil cores were collected on 12 May, 21 May, and 29 May 2025, 3, 4, and 5 weeks after flooding respectively. The numbers of stem borer-associated whiteheads were recorded at 100% heading on 26 June 2025. Plots were harvested for collection of yield data on 17 July 2025. All data was analyzed with generalized linear mixed models (SAS Proc Glimmix) with cover crops, seed treatment, nitrogen rates and the interactionS as fixed effects and replication as a random effect. Means were separated with Tukey's HSD.

RWW larval number averaged over all collection days and the number of whiteheads was significantly affected by the Dermacor seed treatment ($F_{1,15} = 287.07$; $p < 0.0001$), Nitrogen ($F_{3,16} = 11.1$; $p = 0.0003$, the interaction of Dermacor and Nitrogen ($F_{3,15} = 3.67$; $p = 0.0446$, the interaction of cover crops and nitrogen ($F_{3,16} = 3.37$; $p = 0.0325$), and the interaction of all three ($F_{1,15} = 3.82$; $p = 0.0325$). Stemborer infested white heads were significantly affected by Dermacor ($F_{1,16} = 21.43$; $p = 0.0003$), Nitrogen ($F_{1,16} = 5.15$; $p < 0.0111$), the interaction of Dermacor and cover crops ($F_{3,16} = 11.39$; $p = 0.0039$), and the interaction of all three ($F_{3,16} = 5.23$; $p = 0.0105$). Yield was affected by insecticidal seed treatment and nitrogen rates. IST increased yield by 41% when compared to the untreated ($F_{1,16} = 56.35$; $p < 0.0001$). The addition of cover crops decreased yield but not significantly ($F_{3,16} = 2.50$; $p = 0.1334$). Nitrogen rates significantly influenced yield, with the highest rate of (181 kg) of urea increasing yield by approximately 138% compared to no urea (0 kg) and the (113 kg) rate increasing yield by about 124% relative to the untreated (0 kg), though yields at 181 and 113 were not significantly different from each other; yields at 45 and 0 were also similar but significantly lower than higher rates ($F_{3,16} = 18.11$; $p < 0.0001$).

After harvest, a ratoon crop was established to determine whether the addition of cover crops is relevant to stem borer presence or yield. A standard rate of 90 kg ha⁻¹ of urea was added to all the plots on 22 July 2025. Whiteheads were recorded at 100% heading of the ratoon on 8 September 2025. Plots were harvested for collection of yield data on 2 October 2025. The interaction of insecticidal seed treatment and nitrogen, insecticidal seed treatment and cover crops, and the interaction of all three were significant, respectively ($F_{3,16} = 7.73$; $p = 0.0021$), ($F_{1,16} = 4.44$; $p = 0.0513$), and ($F_{3,16} = 6.27$; $p = 0.0051$). Yield was significantly affected by insecticidal seed treatment, the interaction of cover crops and nitrogen, and the interaction of all three, respectively ($F_{1,16} = 5.09$; $p = 0.0384$), ($F_{3,16} = 4.85$; $p = 0.0138$), ($F_{3,16} = 4.44$; $p = 0.0264$). These results demonstrate that cover crops affect ratoon stem borer injury and yield only in combination with nitrogen fertilization and insecticidal seed treatment.

Table 1. The interaction of cover crops, nitrogen rates and insecticidal seed treatment on insect pests and yield.

Soil Treatment	Nitrogen lbs/A	Seed treatment	RWW AVG	Whiteheads Per m ²	Adjusted yield (kg/ha)
Cover Crop Mix	0	Untreated	3.60bcde	0.38a	1174.76c
Cover Crop Mix	0	Dermacor	2.59f	0.00b	1383.40c
Cover Crop Mix	100	Untreated	4.08ab	1.25a	1311.31c
Cover Crop Mix	100	Dermacor	3.14def	0.00B	2470.21abc
Cover Crop Mix	250	Untreated	4.29a	1.08a	2040.42bc
Cover Crop Mix	250	Dermacor	3.29def	2.02a	3485.91ab
Cover Crop Mix	400	Untreated	4.11ab	1.72a	2139.86abc
Cover Crop Mix	400	Dermacor	3.73abcd	1.53a	3493.22ab
Fallow	0	Untreated	3.80abcd	0.25a	969.25c
Fallow	0	Dermacor	3.21def	0.00B	1665.56bc
Fallow	100	Untreated	3.99abc	2.25a	1897.58bc
Fallow	100	Dermacor	2.92ef	0.68a	2577.11abc
Fallow	250	Untreated	4.20ab	3.15a	2594.05abc
Fallow	250	Dermacor	3.15def	0.65b	3514.24ab
Fallow	400	Untreated	4.24a	2.49a	2777.72abc
Fallow	400	Dermacor	3.33cdef	1.10a	3961.97a
SE=			0.007	0.2	464.69
F _{3,16}			3.82	5.23	0.84
P=			0.0325	0.0105	0.4912

Influence of Rice Phenology on Effectiveness of Intesticed Applications Against Stem Borers

Muhammad D. Khan, Blake E. Wilson, Michael J. Stout

The primary management tactic for rice stem borers in southern US relies on insecticides, particularly chlorantraniliprole seed treatment. Previous studies have shown that efficacy of seed-applied insecticide declines as rice plants mature, increasing susceptibility to stemborer infestation during later growth stages. Because economic thresholds for stem borer management have not been developed, insecticide application decisions are largely based on producer experience and perceived stemborer infestation levels. Thus, application timing is critical in controlling stem borer injury in rice. Studies have shown that rice crop can partially compensate for borer injury at vegetative stages by producing new tillers, whereas injury during reproductive stages directly affects yield. The phenology of rice plants at the onset of stemborer infestations is thought to determine the pests' impact.

The effect of foliar application timing on stem borer infestation was evaluated in a small plot trial at H. Rouse Caffey Rice Research Station in Crowley, LA. The trial was planted on May 26, 2025, using rice cultivar PVL03 in randomized complete block design with four replications. Treatments included five foliar applications of lambda-cyhalothrin at the rate of 2.5 fl oz/acre using CO₂ powered backpack sprayer and a control (unsprayed) (Table 1). Treatments were randomly assigned within each block. Permanent flood was established on June 25, 2025. Rice plant growth stages were assessed weekly by randomly selecting three to five plants across the field and dissecting the main stems lengthwise. Stemborer infestation was quantified three times on August 14, August 21 and August 27, 2025. Three whitehead counts were summed to obtain total number of whiteheads per plot and subsequently converted to whiteheads per m². Yield data were adjusted to 12% moisture after harvest. Data were analyzed with generalized linear mixed models (SAS PROC Glimmix) with treatment (growth stage) as fixed effect and block as random effect. Means were separated using Tukey's HSD.

Stem borer infestation was significantly influenced by growth stage at insecticide application (Table 2). All insecticide application timings reduced whitehead density relative to the non-treated controls, but only 3-5 mm and 1-5 cm panicle differed significantly. Among sprayed growth stages, whitehead density was greatest when insecticide applications were made at vegetative stage i.e. late tillering stage. The lowest infestations were recorded when insecticide applied was at 1-5cm panicle stage, a 5-fold reduction relative to the nontreated. Intermediate levels of stem borer injury were observed at green ring and panicle differentiation stages, which did not significantly differ either early or late application timings. Rice yield was marginally affected by growth stages at insecticide application (Table 2). Insecticide application at 3-5mm and 1-5cm panicle stage increased yields by 14–17% over non-treated controls. Results suggest that applying insecticides at reproductive growth stages will have the greatest benefit.

Table 1: Treatments structure and growth stages at which insecticide applications were made

Treatment	Growth stage	Date
T1	Late tillering	July 2
T2	Green ring	July 8
T3	Panicle differentiation	July 15
T4	3-5mm panicle	July 22
T5	1-5 cm panicle	July 31
T6	Unsprayed	-

Table 2: Stem borer injury and yield influenced by rice growth stage at foliar insecticide application, Crowley, LA, 2025

Growth Stage	Whitehead per m²	Yield (lbs per acre)
Late tillering	6.8 ab	5327
Green ring	5.0 ab	5557
Panicle differentiation	4.8 ab	5334
3-5mm panicle	3.1 b	5855
1-5cm panicle	1.8 b	5701
Unsprayed	9.2 a	4978
SE=	0.2	382.3
F _{5,15} =	4.73	2.68
P=	0.009	0.06

FOUNDATION SEED RICE PROGRAM

R.E. Zaunbrecher

Introduction

Foundation seed rice has been produced by the LSU AgCenter's H. Rouse Caffey Rice Research Station (HRCRRS) for distribution to Louisiana farmers since 1949. The HRCRRS's seed rice program was instituted in response to the critical shortage of pure planting stocks that existed during and after World War II. Since its inception, the program has made available to Louisiana growers more than 178,140 cwt. of pedigreed stock of more than 50 rice varieties.

Concurrent with the distribution of pure seed by the HRCRRS, an industry was developed in Louisiana composed of independent seed dealers for farmers to conduct trade in registered and certified classes of pedigreed rice.

Foundation seed rice, the planting stock from which registered and certified seed are produced, is the farmer's link with the work of the plant breeder. It is the product of hybridization and successive generations of selection and testing to establish its value as crop seed and eventually as a commercial commodity. For this reason, foundation seed and the basic stocks from which it is produced must be grown and conditioned in a manner that will ensure that viability is maintained and that it be genetically pure and free from mechanical mixtures or contamination by noxious weeds.

Through the HRCRRS's seed program, Louisiana farmers may obtain seed rice of improved varieties developed through the HRCRRS's breeding program and of established commercial varieties originating either at Crowley or at research centers in neighboring states.

To fulfill the objectives of the seed program, the HRCRRS uses the personnel, land, machinery, and other facilities needed to plant, harvest, condition, and store its annual seed rice crop. The production of breeder seed, planting stock for the foundation fields, and the maintenance of purity in commercial rice varieties are functions of the seed program. Breeder seed is sometimes grown within fields of foundation rice or in a special nursery set aside for propagating the HRCRRS's seed stocks. The nursery also serves as a site for evaluating, purifying, and increasing selections from the HRCRRS's breeding program that show promise as new varieties.

The distribution of pedigreed seed rice produced by the HRCRRS is done according to a formula adopted by the Louisiana Seed Rice Growers Association. For each rice-producing parish, the amount of seed allotted is determined by the percentage of the state's total rice acreage grown in that parish during the previous crop year.

Personnel from the Louisiana Cooperative Extension Service, in cooperation with parish committees of the Seed Rice Growers Association, assist in the allocation of foundation seed rice. It is at the parish committee level that the allocation of seed to individual growers is decided. The county agents receive applications for seed rice from growers and handle information and publicity for the pure seed program.

In this state, the official seed-certifying agency for all crops is the Louisiana Department of Agriculture and Forestry (LDAF). The rules and regulations pertaining to the certification of agricultural seeds are part of the Louisiana Seed Law. They are formulated by the Louisiana Seed Commission and enforced by the Agronomic Programs Division of the LDAF. Personnel of the Agronomic Programs Division, operating from district offices, conduct field inspections of growing rice and sampling of bagged rice for laboratory analyses, which consist of purity determinations and germination tests.

Production Practices

Each year, the HRCRRS devotes approximately 80 acres of land to the production of foundation seed rice. To eliminate noxious weeds, especially red rice, that can disqualify rice from certification, the fields are fallowed for a 2-year period before planting. This also enables the fields to meet the crop history requirements specified in the seed rice regulations.

Seedbed preparation of foundation fields is done in the fall. Burndown herbicides are applied prior to seeding. The foundation fields are planted into a stale seedbed by means of a 24-runner minimum tillage drill. The breeder stock is planted at rates that may vary from 10 to 100 lb/A. The rice receives a preflood application of urea in which the rate of nitrogen (N) may vary from 45 to 90 lb/A, as well as basic fertilizer applications based on soil test recommendations. A midseason application of N in rates from 21 to 55 lb/A is also applied.

Seedling grasses and weeds are controlled by means of commercially available herbicides applied by airplane or ground rig. Similarly, aerial applications of insecticides are used to protect the fields from outbreaks of harmful insects.

Roguing of the rice fields for the removal of off-types, varietal mixtures, and noxious weeds begins at the onset of heading and continues until harvest. During this interval, the headed rice is inspected by personnel of the Agronomic Programs Division to determine whether it meets minimum field standards of the certifying agency.

The rice is harvested with a conventional combine and dried in the HRCRRS's eight 21-foot diameter grain bins, equipped with vented drying floors and centrifugal fans with temperature-controlled heaters. The rice is dried to a moisture level of approximately 12%. During the storage period between drying and cleaning, the rice is treated with an insecticide to protect it from stored-grain insects.

Cleaning of foundation and breeder seed usually starts in late October and continues until late December. The rice first moves through an air and screen cleaner that removes chaff, straw, and other foreign material and grades the grain according to width and thickness.

It then flows through three length-grading machines that consist of rotating, indented metal cylinders. The first two remove small grains and broken or dehulled kernels of rice. The third one removes stemmy rice grains that have long awns that are attached to portions of the panicle. In the next phase of cleaning, the rice moves through a machine that performs precision grading of the grain by means of rotating perforated cylinders. This machine is designed to separate medium-grain and/or red rice from long-grain rice. It also removes shriveled and slender kernels from medium-grain rice.

In the final phase of cleaning, the rice moves through a machine that aspirates the grain, removing any chaff, straw, and other foreign material from the conditioned product.

From the cleaning machines, foundation and breeder seed rice are bagged, assigned lot numbers, and placed in storage in the HRCRRS's seed rice warehouse where they remain until they are distributed to Louisiana farmers.

The field and laboratory purity standards for foundation seed rice are strict with regard to varietal mixtures and noxious weeds. Therefore, in all phases of production, great care must be exercised to prevent these impurities from contaminating the seed stocks. It is routine procedure at the HRCRRS to partially disassemble all planting and harvesting equipment and to clean it thoroughly with water and/or compressed air before using it in the field. The dryer and cleaning plant, including all elevators and other conveying equipment, are also subjected to meticulous cleaning and inspection before and after use in stubble fields. Therefore, tractors, plows, harrows, and land levelers are carefully washed before they enter fallow land. These measures, together with the inspection and roguing, which are done during the growing season, help to ensure that foundation seed is genetically pure and free of mechanical mixtures and noxious weed seeds.

2025 Activities

Of the 1103.5 cwt. of foundation seed rice sold in 2025, the varieties and quantities were as follows: Fitzgerald, 164 cwt.; Titan, 132.5 cwt.; Venus, 57 cwt.; Avant, 321 cwt.; Cheniere, 167 cwt.; Jupiter, 153 cwt.; and Della-2, 109 cwt.

The HRCRRS's foundation seed crop in 2025 consisted of 4.4 acres of Venus, 4.7 acres of Cheniere, 8.3 acres of Avant, 3.3 acres of Fitzgerald, 0.6 acres of LA1331, and 0.6 acres of LA1008.

Headrows of Avant, Venus, Cheniere, Fitzgerald, LA1331, and LA1008 were grown for replenishment of breeder seed stock.

CRAWFISH PRODUCTION AND DEMONSTRATION IN 2025

T. Fontenot, C. Benoit, and K. Guidry

Introduction

Given the increased role crawfish production has played in most rice farming operations, the H. Rouse Caffey Rice Research Station remains committed to attempting to address the issues and challenges faced by crawfish producers. Efforts in this area are led by Mr. Todd Fontenot (Crawfish Production Specialists). Mr. Fontenot develops plans for implementing demonstration trials to examine the various production management issues relayed to them by producers. In addition, they work collaboratively with other researchers to utilize crawfish infrastructure available at the Rice Research Station's South Farm to implement applied research and demonstration trials. The Rice Research Station's South Farm has two, 14-acre crawfish ponds along with other research infrastructure and labs to address issues and challenges. The crawfish ponds are rotated between rice and crawfish production to mimic the rice/crawfish rotation production system that comprises the vast majority of the crawfish production in the state.

During the 2024-25 production year, the crawfish demonstration project focused on several research and monitoring efforts aimed at improving crawfish production and management practices. One area of emphasis was evaluating the accuracy of a pondside test kit for detecting White Spot Syndrome Virus (WSSV). Results obtained from the pondside kit were compared with laboratory analyses conducted by the LSU School of Veterinary Medicine, and the findings were identical, demonstrating the reliability of the field-based diagnostic tool. Field observations also indicated that crawfish can test positive for WSSV without exhibiting visible symptoms, suggesting that the virus may be present in production ponds before signs of disease become apparent.

The project also continued investigations into management options for controlling invasive apple snails. Laboratory studies conducted by a graduate student under the direction of Dr. Blake Wilson found that treatment rates necessary to effectively control apple snails were also lethal to young crawfish hatchlings. Based on these findings, chemical applications are not recommended when hatchlings may be present in production ponds. Additional work examined the relationship between dissolved oxygen (DO) levels, water temperature, and weather conditions. Field observations suggested that crawfish harvest yields declined when pond DO concentrations fell below 1 part per million (ppm), highlighting the importance of maintaining adequate oxygen levels for optimal production.

Another component of the project evaluated crawfish production in systems with and without a ratoon rice crop and compared the effects of conventional and stripper-header rice harvest methods on subsequent pond conditions. Dissolved oxygen levels were monitored to determine whether harvest method influenced water quality and crawfish production. Initial findings indicated no measurable difference in DO levels between the two harvest systems. However, unusually dry and warm weather conditions throughout the monitoring period required frequent supplemental irrigation to maintain water levels and support production, which may have influenced the results and will warrant continued evaluation in future production seasons.

2024/25 Production Year

After a year of sharply lower crawfish production caused by the excessive heat and drought in 2023, the 2024/2025 production year was one that was much more typical of historic production levels. Following rice harvest, production ponds were flooded and traps placed with the goal of beginning harvest sometime in January. Test traps were conducted in early January with levels of marketable crawfish deemed to be sufficient to conduct full harvest on January 14,

2025. While harvest began on January 14th, catch levels were still extremely variable. It wasn't until February 3, 2025 until catch levels became stable enough to justify beginning the 5 day a week harvest schedule. While the ability to reach a full 5 day a week harvest schedule was certainly much sooner than that of the drought impacted 2023/24 production year and slightly sooner than the historic time frame, production levels seemed to have been delayed over historic trends. So, while there was enough production, enough demand, and sufficient prices to justify a full harvest schedule, the production in early February was still fairly low compared to historic levels. Furthermore, production did not increase as quickly as historic trends as harvest progressed through the production season. While production did increase from February to March and Then into April, the rate of increase was slower than historic levels. Despite production increasing slower than historic trends, production in May was actually higher than historic levels and production, market demand and access, and prices offered were sufficient enough to justify harvests through nearly the end of June. Harvests was ended on June 24, 2025 which is two to three weeks longer than the historic end of the production season at the Rice Research Station.

Table 1 provides crawfish harvest statistics at the Rice Research Station for the 2024/25 production season. Improved production conditions in 2024 helped production levels to rebound from the historically low levels experienced during the 2023/24 production season. While production seemed to ramp up slower than normal but stayed at profitable levels longer with harvest not ending until the end of June, two to three weeks later than normal. In total, production for the production year was up about 3 percent from the previous three year average. However, that three year average included the 2023/24 drought year. If you compare 2024/25 to the three year average from 2020/21 to 2022/23, total production was down about 15 percent. So, while production rebounded from the drought conditions in 2023/2024, it did not fully rebound to a "normal" production level.

Table 1. Crawfish Harvest Statistics, 2024/25 Production Season, H. Rouse Caffey Rice Research Station.

	2024/25						2024/25	3-Yr	Percent
	Jan.	Feb.	Mar.	Apr.	May	June	Season Total	Average	Change
Total Catch (Lbs.)	69	1,047	1,920	3,858	5,239	2,324	14,457	14,001	3.25%
Days Fished	6	18	19	21	22	17	103	85	21.65%
Acres Fished	14	14	14	14	14	14	14	14	0.00%
Total Traps	200	200	200	200	200	200	200	200	0.00%
Avg. Catch Per Acre (Lbs.)	4.93	74.79	137.14	275.57	374.21	166.00	1,032.64	1,000.09	3.25%
Avg. Catch Per Day (Lbs.)	11.50	58.17	101.05	183.71	238.14	136.71	140.36	165.37	-15.12%
Avg. Catch Per Acre Per Day (Lbs.)	0.82	4.15	7.22	13.12	17.01	9.76	10.03	11.81	-15.12%
Avg. Catch Per Trap Per Day (Lbs.)	0.06	0.29	0.51	0.92	1.19	0.68	0.70	0.83	-15.12%

Table 2 provides crawfish revenue statistics for the 2024/25 production season. Despite higher supplies in 2024/25 versus the previous year, early season prices were stronger than normal to start the marketing year. One potential expalanation for the higher than normal prices could be built-up demand from the previous year. With low supplies and extremely high prices, many consuners likely were not able to consume crawfish in the 2023/24 production year. As such, with supplies easier to find and with although high prices, lower prices than experience in 2023/24, this built up demand could have helped support strong prices. As supplies continued to escalate, normal downward pressure on prices was experienced. However, prices remained a generally relatively favorable levels throughout the production year. This helped lead to a sharp increase in total revenue from the previous year of While elevated prices early in the production season helped to modestly offset the lower harvest levels, it certainly did not fully offset the impact of a

later harvest and at much lower levels. For the entire production season, total revenue generated was nearly 54 percent lower than the previous three year average.

Table 2. Crawfish Revenue Statistics, 2024/25 Production Season, H. Rouse Caffey Rice Research Station.

	2023/24						3-Year Average	Percent Change
	Jan	Feb	Mar	April	May	June		
Total Revenue (\$)	\$276	\$2,644	\$4,558	\$5,671	\$6,549	\$2,905	\$22,603	17.94%
Days Fished	6	18	19	21	22	17	103	21.65%
Acres Fished	14	14	14	14	14	14	14	0.00%
Total Traps	200	200	200	200	200	200	200	0.00%
Avg Revenue Per Acre (\$)	\$19.71	\$188.88	\$325.54	\$405.07	\$467.77	\$207.50	\$1,614.46	17.94%
Avg Revenue Per Day (\$)	\$46.00	\$146.90	\$239.87	\$270.05	\$297.67	\$170.88	\$219.44	-3.05%
Avg Revenue Per Acre Per Day (\$)	\$3.29	\$10.49	\$17.13	\$19.29	\$21.26	\$12.21	\$15.67	-3.05%
Avg Revenue Per Trap Per Day (\$)	\$0.23	\$0.73	\$1.20	\$1.35	\$1.49	\$0.85	\$1.10	-3.05%
Avg Price Received (\$/Lb.)	\$4.00	\$2.53	\$2.37	\$1.47	\$1.25	\$1.25	\$1.56	14.22%

Figure 1 provides a comparison of the average pounds of crawfish per acre per month during the 2023/24 production season and the average of the previous 3 years. Both the 2023/24 production season and the 3 year average showed the same trend in crawfish harvest with pounds harvested increasing each month from January through May. Obviously, the major difference is the levels of crawfish harvested with the 2023/24 production season being significantly lower than the previous 3 years. Also, pounds of crawfish harvested during June of the 2023/24 production season was actually higher than the previous 3 year average. This was a function of the lateness of the 2023/24 crawfish crop extending the crawfish season. The extension of the crawfish season was also supported by prices that remained at elevated levels longer during the 2023/24 production season than typical.

Figure 1. Comparison of Average Crawfish Harvest per Acre, 2024/25 Production Season versus 3 Year Average, H. Rouse Caffey Rice Research Station.

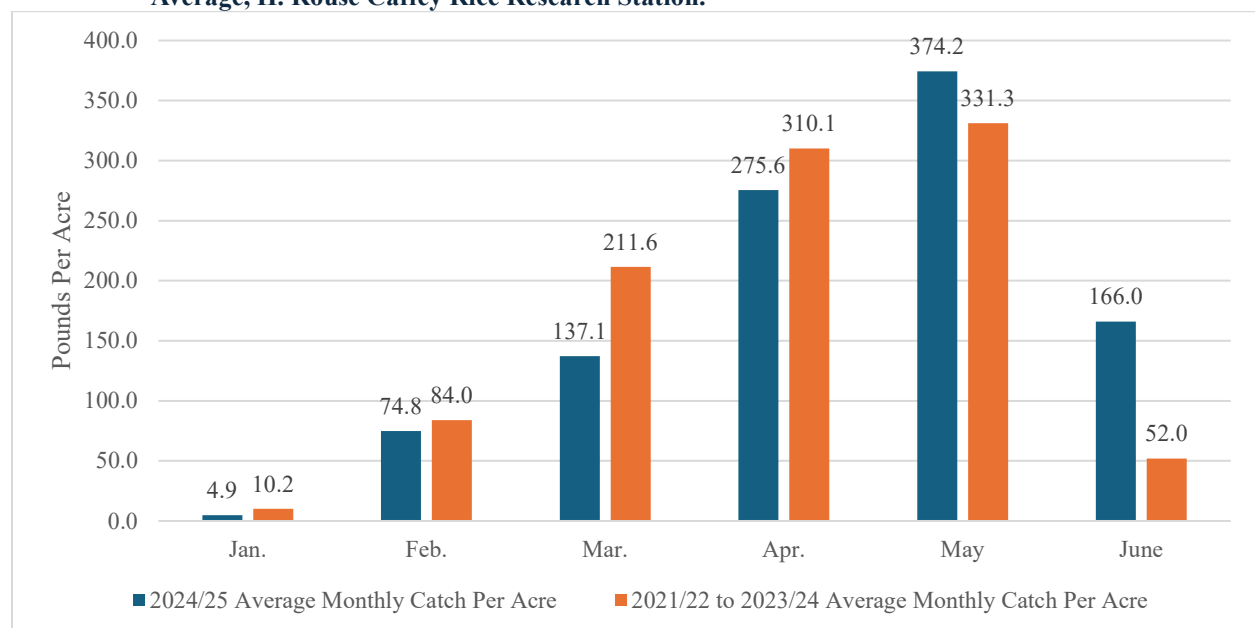
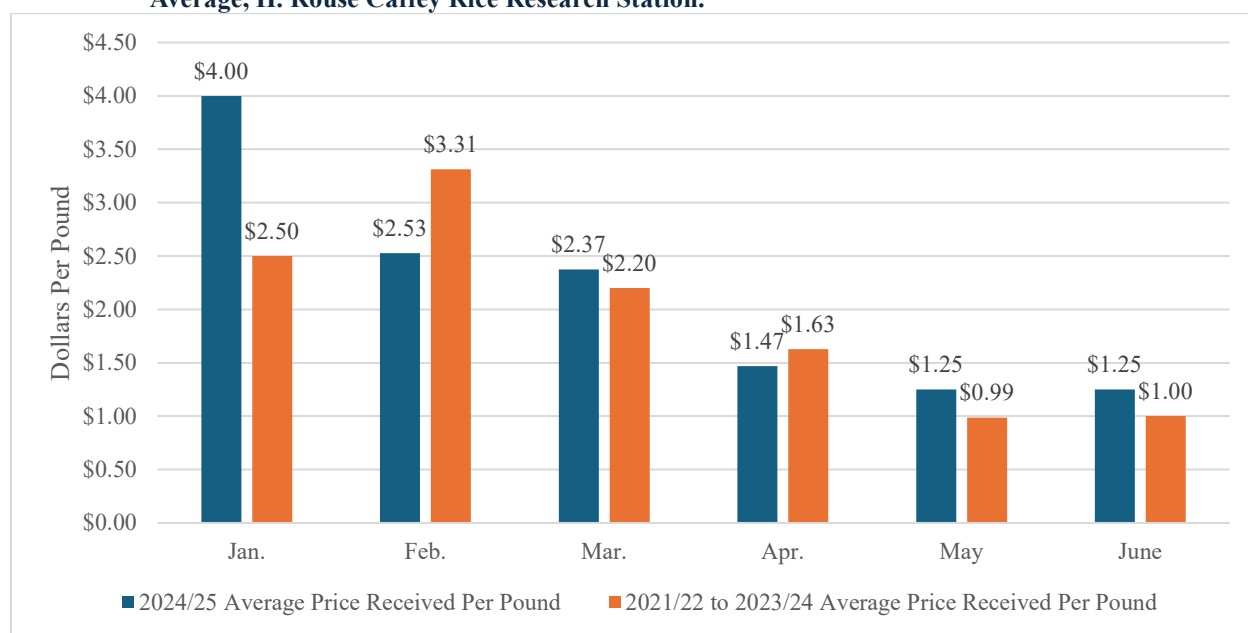


Figure 2 shows a comparison of the average price received per pound for crawfish during the 2024/25 production season versus the average of the 3 previous production years. In general, the trend of prices during the 2024/25 production followed the same pattern as the previous years with prices falling each month from January to May in response to increased production levels. Prices remained supported once moving into June during the 2024/25 production season.

Figure 2. Comparison of Price Received Per Pound, 2024/25 Production Season versus 3 Year Average, H. Rouse Caffey Rice Research Station.



Plans for 2025/2026 Production Year

With the hope of a return to more normal production conditions during the 2024/25 production season, there are plans to implement several projects at the Rice Research Station. These include:

- Continue examining control practices for apple snail control
- Examine relationship between pond water dissolved oxygen (DO) levels with temperature and weather conditions.
- Examine crawfish production with and without ratoon crop. Also plan to compare ratoon harvest methods (conventional header and stripper header) by monitoring dissolved oxygen (DO) levels.

RICE PRODUCTION ECONOMICS RESEARCH IN 2025

M.A. Deliberto

The 2025 projected cost and return rice enterprise budgets were developed in December 2024 for alternative rice production systems in Louisiana. One of the research objectives in developing these enterprise budgets is to serve as a farm management planning tool for the upcoming crop year. Projected rice crop enterprise budgets were estimated for seven typical rice production systems in the southwestern region of Louisiana, as well as two rice production system alternatives in the northeastern region of the state. For southwest Louisiana, rice enterprise budgets were estimated for: (a) conventional variety rice that is water planted, (b) Clearfield variety rice that is water planted, (c) conventional variety rice that is drill planted, (d) Clearfield variety rice that is drill planted, (e) Clearfield hybrid variety rice that is drill planted, (f) Provisia, and (g) a ratoon rice crop. For northeast Louisiana, rice crop enterprise budgets were estimated for: (a) conventional variety rice that is drill planted and (b) Clearfield variety rice that is drill planted.

A summary of this enterprise budget analysis for rice production systems in southwest Louisiana is presented in Tables 1-4. The values contained in these tables represent tenant operator net returns above total specified production costs per acre. Direct production costs include expenses for custom farming operation charges, drying, fertilizers, chemicals, labor, fuel, repair and interest on operating capital. Total specified expenses include the direct (variable) production expenses plus fixed costs of ownership on machinery and equipment. The land tenure arrangement assumption that is made in each of the enterprise tables consists of a 70/30 share rental arrangement with the landlord/waterlord financing the irrigation pumping costs. Returns from the rice crop are assumed to be allocated at 70% to the producer and 30% to the landlord/waterlord. Net return estimates for the conventional variety drill-planted production system (Table 1) are based on production cost estimates of \$611.15 per acre of variable costs and \$750.65 per acre for total specified costs. Net return estimates for the Clearfield variety drill-planted production system (Table 2) are based on production cost estimates of \$697.76 per acre of variable costs and \$835.56 per acre for total specified costs. Net return estimates for the Clearfield hybrid variety drill-planted production system (Table 3) are based on production cost estimates of \$790.38 per acre of variable costs and \$919.16 per acre for total specified costs. Net return estimates for the ratoon crop production system (Table 4) are based on production cost estimates of \$158.01 per acre of variable costs and \$188.38 per acre for total specified costs. Also released in 2025 was a spreadsheet-based Provisia rice enterprise budget. Net return estimates for the Provisia production system are based on production cost estimates of \$704.79 per acre of variable costs and \$813.82 per acre for total specified costs.

To further assist rice producers in planning for the 2025 crop year, the Projected 2025 Rice Cash Flow Model was developed. The interactive model, programmed in Microsoft® Excel, allows individual rice producers to evaluate the impact on net returns above variable and total (variable plus fixed) production costs for alternative land rental arrangements as well as planting various percentages of available rice base acres. The user enters projected acreage, yield, market price and production cost data for 2025, and the model will automatically generate estimates for net returns above variable and total production costs. Farm program payments relating to the Price Loss Coverage (PLC) Program are also embedded in the model and are included in net return calculations, if triggered.

Table 1. Estimated Net Returns above Total Specified Costs for a Tenant Operator Rice, Conventional Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2025.

Percent		80%	85%	90%	95%	100%	105%	110%	115%	120%
Rice Market Price (\$/cwt)		\$11.40	\$12.11	\$12.83	\$13.54	\$14.25	\$14.96	\$15.68	\$16.39	\$17.10
Percent	Yield (cwt)	Dollars per acre								
80%	56	-118	-94	-69	-44	-20	5	30	55	79
85%	59.5	-91	-64	-38	-11	15	42	68	95	121
90%	63	-63	-34	-6	22	50	79	107	135	163
95%	66.5	-35	-5	25	55	85	115	145	175	205
100%	70	-7	25	57	88	120	152	184	215	247
105%	73.5	21	55	88	122	155	188	222	255	289
110%	77	49	84	120	155	190	225	260	296	331
115%	80.5	77	114	151	188	225	262	299	336	373
120%	84	105	144	182	221	260	298	337	376	415

Net returns above total specified costs for a tenant operator are calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 2. Estimated Net Returns above Total Specified Costs for a Tenant Operator Rice, Clearfield Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2025.

Percent		80%	85%	90%	95%	100%	105%	110%	115%	120%
Rice Market Price (\$/cwt)		\$11.40	\$12.11	\$12.83	\$13.54	\$14.25	\$14.96	\$15.68	\$16.39	\$17.10
Percent	Yield (cwt)	Dollars per acre								
80%	56	-203	-179	-154	-129	-104	-80	-55	-30	-6
85%	59.5	-175	-149	-122	-96	-70	-43	-17	10	36
90%	63	-147	-119	-91	-63	-35	-6	22	50	78
95%	66.5	-120	-90	-60	-30	0	30	60	90	120
100%	70	-92	-60	-28	4	35	67	99	130	162
105%	73.5	-64	-30	3	37	70	104	137	170	204
110%	77	-36	-1	35	70	105	140	175	211	246
115%	80.5	-8	29	66	103	140	177	214	251	288
120%	84	20	59	97	136	175	214	252	291	330

Net returns above total specified costs for a tenant operator are calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 3. Estimated Net Returns above Total Specified Costs for a Tenant Operator Rice, Clearfield Hybrid Variety, Drill Planted, Conventional Tillage, Southwest Louisiana, 2025.

Percent		80%	85%	90%	95%	100%	105%	110%	115%	120%
Rice Market Price (\$/cwt)		\$11.40	\$12.11	\$12.83	\$13.54	\$14.25	\$14.96	\$15.68	\$16.39	\$17.10
Percent	Yield (cwt)	Dollars per acre								
80%	64	-217	-189	-161	-133	-104	-76	-48	-20	9
85%	68	-186	-155	-125	-95	-65	-34	-4	26	57
90%	72	-154	-121	-89	-57	-25	8	40	72	104
95%	76	-122	-87	-53	-19	15	50	84	118	152
100%	80	-90	-54	-17	19	55	91	128	164	200
105%	84	-58	-20	19	57	95	133	172	210	248
110%	88	-26	14	55	95	135	175	215	256	296
115%	92	6	48	90	133	175	217	259	302	344
120%	96	38	82	126	171	215	259	303	347	392

Net returns above total specified costs for a tenant operator are calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

Table 4. Estimated Net Returns above Total Specified Costs for a Tenant Operator Rice, Ratoon Crop, Southwest Louisiana, 2025.

Percent		80%	85%	90%	95%	100%	105%	110%	115%	120%
Rice Market Price (\$/cwt)		\$11.40	\$12.11	\$12.83	\$13.54	\$14.25	\$14.96	\$15.68	\$16.39	\$17.10
Percent	Yield (cwt)	Dollars per acre								
80%	18.4	8	16	24	33	41	49	57	65	73
85%	19.6	17	26	35	44	52	61	70	78	87
90%	20.7	27	36	45	54	64	73	82	91	101
95%	21.9	36	46	55	65	75	85	95	105	115
100%	23	45	55	66	76	87	97	107	118	128
105%	24.2	54	65	76	87	98	109	120	131	142
110%	25.3	63	75	86	98	110	121	133	144	156
115%	26.5	72	85	97	109	121	133	145	157	170
120%	27.6	82	94	107	120	133	145	158	171	183

Net returns above total specified costs for a tenant operator are calculated here as the grower's share of market revenue less total specified costs paid by the grower. Specified costs include charges for direct costs and fixed machinery costs but exclude charges for general farm overhead and management expenses. The land rental arrangement charge represented here is a 30% crop share with the landlord paying variable and fixed irrigation pumping costs.

LOUISIANA RICE RESEACH VERIFICATION PROGRAM IN 2025

R. Levy and K.A. Fontenot

Introduction

The Louisiana Rice Research Verification Program (LRRVP) began in 1997 in three parishes: Allen, Calcasieu, and Jefferson Davis. In 1998, the program was funded and expanded to 10 parishes (Acadia, Avoyelles, East Carroll, Evangeline, Madison, Morehouse, St. Landry, and Vermilion). From 1999 to 2024, 167 fields had been included in the verification program. In 2025, the program included Seven fields (Figure 1), in the parishes of Acadia, Avoyelles, Beauregard, Evangeline, Jeff Davis, St. Landry, and Vermilion.

The fields were visited on at least a weekly basis by a Specialist, Extension Associate, or County Agent. Production practice recommendations were made by the Specialist, Associate, or Agent. These recommendations included, but were not limited to, variety selection, fertilization, weed control, disease control, insect control, and water management to a limited degree. The fields were followed from planting to harvest.

Yield data were collected for each of the fields in green weight and adjusted to 12% moisture. (Table 1). Yield of the first crop averaged 7,542 lb/A 42.6 bbl/A and 153 bu/A . Ratoon crop yields on two fields averaged, 2244 # /A, 13.8 bbl/A, and 49.8 bu/A. Total overall yield average on all seven fields was, 7,793 #/A, 48.7 bbl/A, and 173 bu/A. This overall average ranks 14th in the 28-year tenure of the Verification program.

Economic data continues to reveal large production cost differences between growers. It also is clear that more needs to be done to help farmers reduce production costs (Table 2). Harvest and water costs remain the most elusive to capture and are often underestimated by all parties involved in the verification field.

The program continues to provide an accurate evaluation of current recommendations and insight into other areas of research. The educational value of the program to all concerned (farmers, researchers, consultants, and extension personnel) increases each year.

Figure 2. Verification Parishes in 2025: Acadia, Avoyelles, Beauregard, Evangeline, Jeff Davis, St. Landry, and Vermilion.

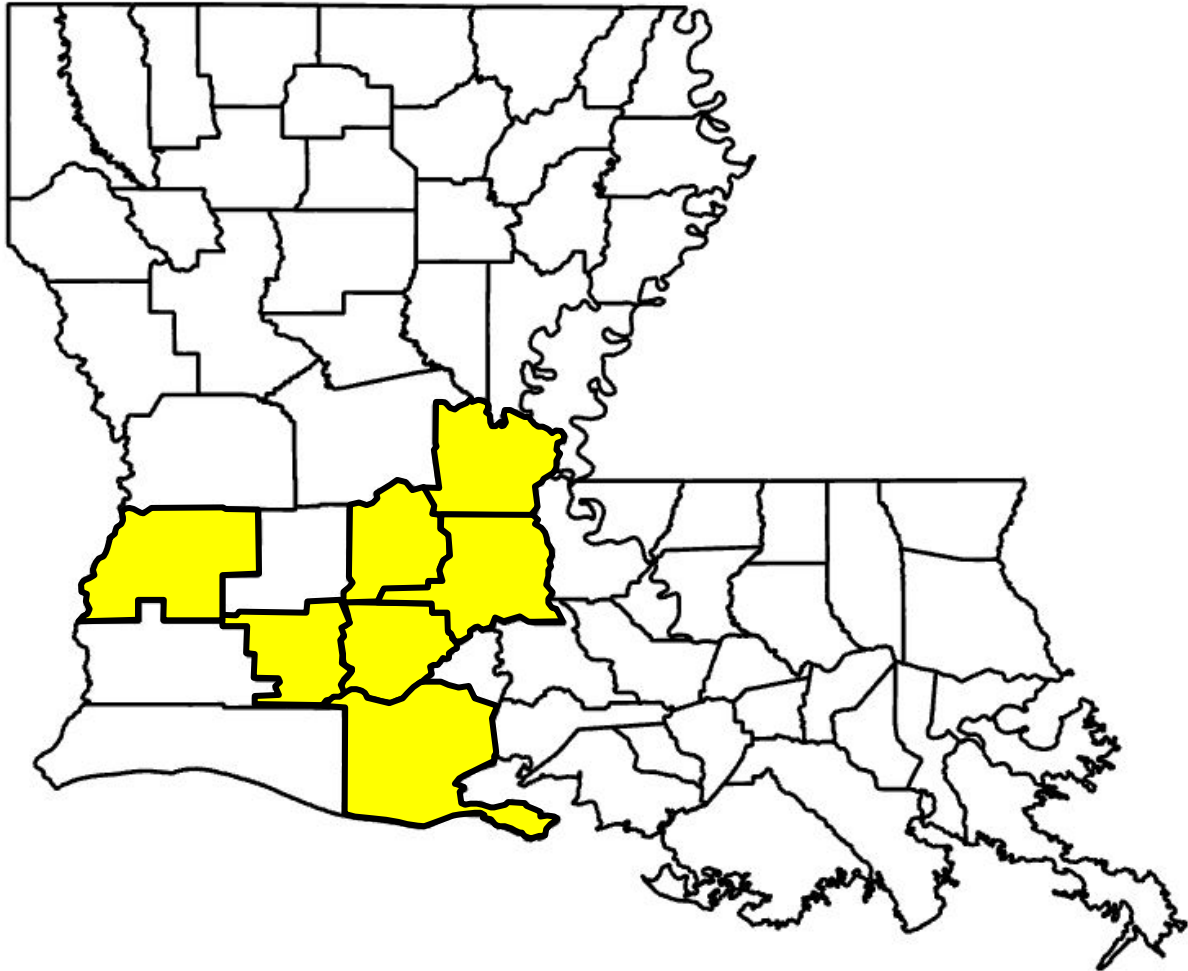


Table 1. Green and Dry Yields for Verification Fields in 2025

Parish	Acres	Variety	Green Yield (Cwt./Ac)	Green Yield (Bbl./Ac)	Green Yield (Bu./Ac)	Dry Yield (Cwt./Ac)	Dry Yield (Bbl./Ac)	Dry Yield (Bu./Ac)
Acadia ³	50	PVL03	80.66	49.8	179.2	73.42	45.3	163.1
Avoyelles	15	CLL19	69.04	42.6	153	61.24	37.8	136
Beauregard	35	RT7302	78.09	44.5	173	68.36	42.2	152
Evangeline	60	DG563PV	84.24	52	187	79.02	48.7	176
Jeff Davis ³	80	PVL03	106.5	65.7	236	103.9	63.7	229.3
St. Landry	28	PVL03	72.03	44.5	160	68.43	42.2	152
Vermilion	15	DG263	78.08	48.2	173	75.35	46.5	167
Total/Average	283		81.2343	49.6143	180.171	75.6743	46.6286	167.914

¹Yield estimates include first and ratoon crop.

Table 2. 2025 Louisiana Rice Research Verification Program Yield, Milling, and Economic Summary¹

Parish	Variety	Yield at 12% Moisture (Cwt./Ac)	Milling (% Whole / % Total)	Variable Production Costs (\$/Ac) ²	Variable Production Costs (\$/Cwt.) ²	Return Above Variable Production Costs (\$/Ac) ³
Acadia ³	PVL03	73.45	62.1/73	1125.94	15.33	-218.72
Avoyelles	CLL19	61.24	55.3/71	1078.2	17.6	-321.3
Beauregard	RT7302	68.36	58.8/73	710.7	10.39	134.22
Evangeline	DG563PV	79.02	56.3/70	395.21	5	581
Jeff Davis ³	PVL03	103.9	58.3/71	972.5	9.35	311.7
St. Landry	PVL03	68.43	62.7/73	733.61	10.72	112.18
Vermilion	DG263	75.35	55/67	693.2	9.19	238.12

¹Yield estimates include first and ratoon crop

²Variable production costs include variable costs from land preparation to getting the crop on the truck. They do not include land rent, transporting, drying, storing or fixed costs (interest and depreciation).

³Returns above variable costs were calculated using a selling price of \$12.36/cwt.

Acadia Parish

The Acadia Parish field was in cooperation with producer Colin Lawson, along with his father Mr. Allen Lawson. This was Colin's Second year in the program and proved to be a very busy one as he was managing this field on his own. He started the program as a college freshman in the spring and completed the growing season in the fall. The cooperating extension agent was Jeremy Hebert, county agent in Acadia parish with rice responsibilities in several parishes. This 50-acre verification field was planted early under ideal conditions. PVL 03 seed treated with dermacor, and squad delta was drilled in a prepared seedbed on March 21 at a rate of 56 lb/A. Fertilization and management were recommended and carried out according to AgCenter soil test recommendations and plant growth stages. The stand was excellent and very uniform. Tillering was excellent and plant growth was vigorous through all growth stages. Problems encountered in this field included late emerging red rice as well as off-type rice crosses in a several cuts. Rain did hamper the timeliness of fertilizer and herbicide applications. Insects and disease were not issues at treatable threshold levels, however a prophylactic fungicide application was made. The verification field was slowly drained for harvest in mid-July with harvest taking place on July 28.

The total green yield on this verification field for first and second crop was, 8066 #/A, 49.8bbl/A and 179.2 bu/A. When adjusted to 12% moisture yields are, 7342#/A, 45.3bbl/A and 163.1bu/A. The first crop stubble was rolled with a 45 ft crumbler and fertilized with 200 #/A urea fertilizer and re-flooded to produce a ratoon or stubble crop. The stubble crop was spotty in some areas, especially where the off type rice was thicker in the stand. When harvested later in the fall the field yielded well but not outstanding for the variety. Ratoon yields were 1,652 #/A or 10.2 bbl/A or 36.7 bu/A when adjusted to the 12% dry level. Total dry yield for first and ratoon crop at 12% moisture was 7,342 #/A, or 45.3 bbl/A or 163 bu/A for this fifty acre field. This field will be utilized for crawfish production this spring.

Acadia Parish

Cooperator: Colin Lawson

Agent: Jeremy Hebert

Consultant:

Field Size: 50 acres

Cultural Practices

Variety: PVL 03

Method of Planting: Drill

Water Management: Delayed flood

Seeding Rate: 56 lb/A

Date of Planting: 3/27/25

Date of Emergence: 4/08/25

Growth and Development

Stage	Observation Date
Green Ring	5/20
PD	5/24
50% Heading	6/15
Drain for Harvest	7/15
Harvest	7/28

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
First Crop	56.9	62.1/73	897.81	15.77	(194.32)
2 nd crop	16.52		228.13	13.80	(24.12)
Totals	73.42		1125.94	15.33	(218.72)

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$ 12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	Zn (lb/A)
3/27	7-18-36	300	21	54	108		1
5/01	Urea	200	92	0	0	0	0
5/23	Urea	125	58	0	0	0	0
8/13	Urea	200	92	0	0	0	0
Totals			263	54	108	0	1

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Grasses , Sedges, AW	First burndown	40oz glyphosate+.1oz revitont+16oz mso
Grasses & sedge& rice off types	4/17	11oz provisia + .75 oz permit + coc
Grasses & Sedges & rice off types	5/24	13 oz provisia +coc
Grasses & Sedges & rice off types	6/5	10 oz provisia + coc

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
Prophylactic application	6/12	6 oz Propicon + 20 oz azoxyprop

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
	Seed Treatment	Cruiser Max

Table 3. Acadia Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown	40 oz/a glyphosate + 1 oz/a reviton + 16 oz/a MSO	\$15.86	\$426.80
Application cost- herbicide	JD 4730 , 90 ft booms	\$2.62	\$132.31
Field work, discing etc.	420 HP tractor & 34 ft. blade disc (2X)	\$25.00	\$1,262.50
Water leveling, bed leveling etc	325 HP tractor + 24' blade (2X)	\$25.00	\$1,262.50
Ditching	150 HP tractor, spin ditcher	\$1.84	\$92.92
Seed	53.5 lbs/a PVL03	\$72.75	\$3,673.88
Seed treatment (if separate)	Dermacor + Fungicide + Zinc	\$25.80	\$1,302.90
Planting	335 HP tractor, 30' air seeder	\$30.00	\$1,515.00
Fertilizer	300 lbs/a 7-18-36 + 5oz command + 1 lbs/a Vitricrop	\$120.12	\$6,066.06
Application cost - fertilizer	ground rig	\$14.00	\$707.00
Herbicide	32 oz/a glyphosate	\$7.00	\$353.50
Application cost herb	JD 4730 , 90 ft boom	\$5.00	\$252.50
Herbicide	11 oz/a provisia + .75 oz/a permit + COC	\$27.46	\$1,386.73
Application cost herb	JD 4730, 90 ft boom	\$12.00	\$606.00
Herbicide	13 oz/a provisia + 15.6 oz/a COC	\$13.72	\$692.86
Application cost - Herbicide	aerial application costs	\$13.58	\$685.79
Fertilizer	200 lbs/a urea + Volterra + blending	\$88.71	\$4,479.86
Application cost - fertilizer	Aerial Application Costs	\$15.28	\$771.64
Fertilizer	125 lbs/a urea	\$40.00	\$2,020.00
Application cost - fertilizer	aerial application costs	\$11.63	\$587.32
Herbicide	10 oz/a provisia + 32 oz/a COC	\$14.12	\$240.04
Application cost - herbicide	aerial drone app.	\$20.59	\$350.03
Fungicide	6 oz/a Propicon + 20 oz/a Azoxypop + 6 oz/a Penetrator	\$16.48	\$832.24
Application cost - fungicide	aerial application costs	\$11.35	\$573.18
Fungicide			\$0.00
Application cost - fungicide			\$0.00
Insecticide			\$0.00
Application cost - insecticide			\$0.00
Harvest - cart 1 w tractor	420 HP tractor, 885 bu cart AgCenter budgets	\$9.46	\$477.73
Harvest - combine 1	JD S790, 32' stripper header AgCenter budgets	\$54.75	\$2,764.88
Water costs	from AgCenter budgets	\$195.37	\$9,866.19
Sub-Total - First Crop		\$897.81	\$46,502.15
Second Crop			
Ratoon crop manipulation	150 HP tractor, 45' crumbler	\$6.00	\$303.00
Ratoon crop fertilizer	200 lbs/a urea + Volterra	\$87.91	\$4,439.46
Ratoon fertilizer application cost	Aerial Application	\$14.96	\$755.48
Ratoon crop water cost	from AgCenter budgets	\$55.05	\$2,780.03
Ratoon crop harvest cart 1	420 HP tractor, 885 bu cart	\$9.46	\$477.73
Ratoon crop harvest combine 1	JD S790, 32' stripper header	\$54.75	\$2,764.88
Sub-Total - Second Crop		\$228.13	\$11,520.56
TOTAL		\$1,125.94	\$58,022.71

¹The Acadia verification field was 50.5 acres.

Avoyelles Parish

The Avoyelles Parish verification field was located just North of Hessmer, La. The cooperating producer was Cody Dautat. This was his second year participating in the verification program. This 15-acre field was dry broadcast planted to CLL-19 dermacor treated seed at a rate of 100#/acre on April 17. Emergence was slow, however after a flush the stand was good but thin and lacking vigor in some areas. Tillering was good but not exceptional, with a few thinner spots in the field. The plants reached green ring on June 4. Plants were lush and green with good root development although some adult rice water weevil feeding scars were evident. After top dressing with urea the plants responded well with increased growth and vigor. Fifty percent heading was reached July 5. There were no major issues with any diseases or insect pressure from rice stink bug. Flood was maintained well and the plants responded. The field progressed well and was drained on July 29. Harvest was on August 15, after repeated delays due to rain. The fields green yield was 6,904 #s/A or 42.6 bbl/A @22.3% moisture. When adjusted to 12% moisture yields were 6,124 # /A or 37.8 bbl/A, and 136bu/A.

Avoyelles Parish

Cooperator: Cody Dauzat

Agent: Justin DuFour

Consultant:

Field Size: 15

Cultural Practices

Variety: CLL 19

Seeding Rate: 100 lb/A

Method of Planting: Dry Broadcast

Date of Planting: 4/17/25

Water Management: Delayed Flood

Date of Emergence: 4/25/25

Growth and Development

Stage	Observation Date
Green Ring	6/4
PD	6/8
50% Heading	7/5
Drain for Harvest	7/29
Harvest	8/15

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ^{1,3}	Cost of Production (\$/cwt) ^{1,3}	Return on Variable Costs (\$/A) ^{1,2,3}
First Crop	61.24	55.3/71	1078.20	17.60	(321.30)
Second Cro					
Total	61.24				

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	ZN (lb/A)
4/16	0-18-36	200	0	36	72	0	0
5/24	46-0-0	150	69	0	0	0	0
6/11	46-0-0	100	46	0	0	0	0
First crop total			115	36	72	0	0

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Grasses, sedges, AW,	3/12	8oz Command + induce + 6 oz newpath

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW Prevention	At planting	Dermacor X-100

Table 4. Avoyelles Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown			\$0.00
Application cost- herbicide			\$0.00
Field Work, Discing etc.	300 hp tractor +30 ft diamond harrow	\$30.00	\$450.00
Water leveling, Bed leveling etc			\$0.00
Ditching	Honday ATV + Trenching wheels	\$5.00	\$75.00
Seed	100 #/A CLL119	\$178.67	\$2,680.05
Seed treatment (if separate)	Dermacor + Apron/Maxim + AV-1011 + Kickstand	\$76.78	\$1,151.70
Planting	100 hp tractor + kuhn spreader + harrow	\$6.00	\$90.00
Fertilizer	200 #/A 0-18-36	\$306.14	\$4,592.10
Application cost - fertilizer	Ground rig application	\$6.00	\$90.00
Herbicide	6 oz command + 4 oz newpath + induce	\$77.00	\$1,155.00
Application cost herb	ground rig	\$7.50	\$112.50
Herbicide			\$0.00
Application cost herb			\$0.00
Fertilizer	150 # Urea	\$63.00	\$945.00
Application cost - fertilizer	Aerial Application Costs	\$8.50	\$127.50
Fertilizer	100 # urea	\$47.29	\$709.35
Application cost - fertilizer	Aerial Application Costs	\$8.50	\$127.50
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fungicide			\$0.00
Application cost-fungicide			\$0.00
Fungicide			\$0.00
Application cost -fungicide			\$0.00
Insecticide			\$0.00
Application cost -insecticide			\$0.00
Harvest -cart 1 w tractor	From Agcenter Budget	\$7.70	\$115.50
Harvest - combine 1	From Agcenter Budget	\$54.75	\$821.25
Water costs	From Agcenter Budget	\$195.37	\$2,930.55
Sub-Total - First Crop		\$1,078.20	\$16,173.00
Second Crop			
Ratoon Crop Manipulation			\$0.00
Ratoon Crop Fertilizer			\$0.00
Ratoon Fertilizer Application Cost			\$0.00
Ratoon Crop Water Cost			\$0.00
Ratoon Crop Harvest Cart 1			\$0.00
Ratoon crop Harvest Combine 1			\$0.00
Sub-Total - Second Crop			\$0.00
TOTAL		\$1,078.20	\$16,173.00

¹The Avoyelles verification field was 15 acres.

Beauregard Parish

The Beauregard Parish cooperating producer was Brandon Habetz, who farms near the Topsy and Bel communities. This was Mr. Habetz first year in the verification program, and he was assisted by AgCenter agents Jimmy Meaux and Mike Lavergne. Mr. Habetz program was somewhat different from other verification fields as his field was divided into six different cuts which were each treated as a different experimental plot. The plots were testing the effects of adding chicken litter as well as biochar at different rates prior to planting. The biochar rates applied ranged from 0 to 8 tons per acre. The chicken litter was applied to all plots at the 2 ton per acre rate. The field was managed, and decisions made as a regular verification field on all other inputs during the growing season. Ricetec 7302 was drill- planted at 21#/s/acre on April 16. Emergence was slow and the field was flushed to enhance emergence which continued over several days. After fertilization and herbicide application, plants responded well and reached green ring on May 30. Plants responded well to a fertilizer application and a fungicide application was applied on June 18 for kernel smut prevention and some light sheath blight control. Fifty percent-heading was reached July first. Through the growing season there was evidence of uneven growth and development of plants along edges of the field compared to the interior. This unevenness continued through maturity and ripening of the plants. There was some light rice stink bug pressure as well, but threshold was not reached requiring no recommendation for treatment. On July 29 the flood was drained and harvest conducted on August 14.

Total yield on this field when adjusted to 12% moisture was: 6,836 #/A or 42.2 bbl/A or 152 bu/A. The results of the different treatments in each paddy were measured by Mr. Habetz for his interpretation and use and were not part of an official AgCenter research plot.

Beauregard Parish

Cooperator: Brandon Habetz
Agent: Michael Lavergne & Jimmy Meaux
Consultant:
Field Size: 36 Acres

Cultural Practices

Variety: PVL03
Method of Planting: Drilled
Water Management: Delayed flood

Seeding Rate: 21 lb/A
Date of Planting: 4/16/25
Date of Emergence: 4/22/25

Growth and Development

Stage	Observation Date
Green Ring	4/22
PD	5/30
50% Heading	7/1
Drain for Harvest	7/29
Harvest	8/14

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
1st Crop	68.36	58.8/73	710.70	10.39	134.22
2nd Crop					
Field Totals	68.36				

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	ZN (lb/A)
5/5	19-19-19	300	57	57	57	0	0
5/20	46% + 25% K ₂ O	200	92	0	50	0	0
6/1	39% +13 %K ₂ O	150	59	0	20	0	0
6/10	46%	100	46				
1st crop total			254	57	127	0	0

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Grasses, sedge, byg, Texas weed	5/5	1 gal propanil + 1 oz permit
	4/13	11 oz provisia+ 1 oz permit + no drift + 1% coc
	5/5	10 oz provisia + coc + no drift

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
Sheath blight	6/18	9 oz satori + 9 oz fitness + 3.6 oz liberate

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW prevention	3/1	Dermacor X-100

Table 5. Beauregard Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown	N/A		\$0.00
Application cost- herbicide	N/A		\$0.00
Field Work, Discing etc.	500 HP Tractor + 32 ft disc (2X)	\$24.00	\$840.00
Water leveling, Bed leveling etc	N/A		\$0.00
Ditching	95 HP Tractor + Spin Ditcher	\$2.00	\$70.00
Seed	21 #/A RT7302 + Cruiser Max + fungicide + GA	\$172.00	\$6,020.00
Seed treatment (if separate)			\$0.00
Planting	370 Hp Tractor + 36 ft drill	\$22.00	\$770.00
Fertilizer	300 #/A 19-19-19	\$88.69	\$3,104.15
Application cost - fertilizer	Aerial Application	\$21.15	\$740.25
Herbicide	1 gal/A propanil + 1 oz/A permit	\$54.75	\$1,916.25
Application cost herb	Aerial Application	\$10.00	\$350.00
Herbicide			\$0.00
Application cost herb			\$0.00
Fertilizer	200 #/A Urea + 50 #/A potash	\$74.75	\$2,616.25
Application cost - fertilizer	Aerial Application	\$21.15	\$740.25
Fertilizer	150 #/A 39% + 20 #/A potash	\$52.61	\$1,841.35
Application cost - fertilizer	Aerial Application	\$11.72	\$410.20
Fertilizer			\$0.00
Fungicide	9.1 oz/A Satori + 9.1 oz/A Fitness + 3.6 oz/A Liberate	\$19.49	\$682.15
Application cost -fungicide	Aerial Application	\$10.85	\$379.75
Insecticide			\$0.00
Application cost -insecticide			\$0.00
Harvest -cart 1 w tractor	Producer costs	\$10.00	\$350.00
Harvest - cart 2 w tractor			\$0.00
Harvest - combine 1	Producer costs	\$25.00	\$875.00
Harvest - combine 2			\$0.00
Water costs	Producer costs	\$90.54	\$3,168.90
Sub-Total - First Crop		\$710.70	\$24,874.50
Second Crop			
Ratoon Crop Manipulation			\$0.00
Ratoon Crop Fertilizer			\$0.00
Ratoon Fertilizer Application			\$0.00
Ratoon Crop Water Cost			\$0.00
Ratoon Crop Harvest Cart 1			\$0.00
Ratoon crop Harvest Combine 1			\$0.00
Sub-Total - Second Crop			\$0.00
TOTAL		\$710.70	\$24,874.50

¹The Beauregard verification field was 35 acres.

Evangeline Parish

The Evangeline Parish verification cooperating producer was Doug Fruge who farms the Cazan's Lake Farm located Northeast of Ville Platte. This was Doug's first year in the verification program, and he was assisted by local agent Vince Deshotel, and local Nutrien dealer Dennis Fontenot. After discing the field twice and leveling, Doug drill planted DG 563PV seed treated with cruiser max insecticide at a rate of 41 #s/acre on March 20. His planting fertilizer application included 230 #s of 30-50-60 along with 8 oz of command herbicide. Stand emergence and uniformity were excellent with plant vigor being exceptional as well. Provisia and permit herbicides were used for field weed control, and fertilization after planting followed Agcenter recommendations. Green ring was reached on May 7. A prophylactic fungicide application was made in late May, utilizing 12 oz/a satori + 6 oz/a fitness + 1.5 oz/a surfactant. This very lush fast-growing stand reached 50% heading on June 15. Plant growth and vigor were outstanding throughout the season with excellent response to fertilizer. Rice stinkbugs were very light in the field. Field drainage started on July 9, and harvest was on July 31. Field yield was outstanding at 52 bbls/acre at 17.5 % moisture. When adjusted to 12 % moisture yields are: 7,902 # acre, 48.7 bbl/acre or 176 bu/acre for this field planted to DG563PV.

Evangeline Parish

Cooperator: Doug Fruge
Agent: Vince Deshotel
Consultant: Dennis Fontenot
Field Size: 60 acres

Cultural Practices

Variety: DG 563 PV
Method of Planting: Drill Planted
Water Management: Delayed Flood

Seeding Rate: 41 #/A
Date of Planting: 3/20/25
Date of Emergence: 3/28/25

Growth and Development

Stage	Observation Date
Green Ring	5/7
PD	5/10
50% Heading	6/12
Drain for Harvest	7/9
Harvest	7/31

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
1 st crop	79.02	56.3/70	395.21	5.00	581.00
2 nd crop					
Totals	79.02				

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	Zn (lb/A)
3/20	30-50-60	230	69	115	138	0	0
4/17	46% +5% zinc	200	92	0	0	0	10
5/9	38%	150	57	0	0	0	0
1st crop total			218	115	138	0	10

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Red Rice, sprangletop, grasses	3/20	8 oz command
Red Rice, sprangletop, grasses	4/15	11 oz provisia + 1 oz permit + 12.8 oz herbimax coc

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
Prophylactic	6/7	12 oz satori + 6oz fitness+ 1.5 oz surfactant

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW Prevention	3/20	Cruiser Max

Table 6. Evangeline Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown	none		\$0.00
Application cost- herbicide			\$0.00
Field Work, Discing etc.	46 ft kelly diamond harrow + case 470 quadtrac	\$10.00	\$600.00
Water leveling, Hipping rows			\$0.00
Ditching	150 HP Tractor + Ditcher	\$1.85	\$111.00
Seed	40#/A Dyna-Grow 563 + Cruiser max + color coat blue	\$42.50	\$2,550.00
Seed treatment (if separate)			\$0.00
Planting	Case 470 Quadtrac w 40 ftCase 500T drill 7.5" spacing	\$7.00	\$420.00
Fertilizer	230 #/A 30-50-60	\$69.58	\$4,174.80
Application cost - fertilizer	Aerial Application Costs	\$20.40	\$1,224.00
Herbicide	8 oz/A command	\$4.69	\$281.40
Application cost herb	Case patriot ground rig	\$6.00	\$360.00
Herbicide	11 oz provisia + 1 oz permit + 12.8 oz herbamax coc	\$32.32	\$1,939.20
Application cost- herbicide	Case patriot ground rig	\$6.00	\$360.00
Herbicide			\$0.00
Application cost - Herbicide			\$0.00
Fertilizer	200 #/A urea + 10 # zinc	\$52.00	\$3,120.00
Application cost - fertilizer	Aerial Application Costs	\$17.05	\$1,023.00
Fertilizer	150 # 38%	\$32.25	\$1,935.00
Application cost-fertilizer	Aerial Application Costs	\$13.63	\$817.80
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fungicide	12 oz Satori + 6 oz fitness + 1.5 oz Franchise	\$10.44	\$626.40
Application cost-fungicide	Aerial Application Costs	\$9.50	\$570.00
Fungicide			\$0.00
Application cost -fungicide			\$0.00
Insecticide			\$0.00
Application cost - insecticide			\$0.00
Harvest - cart 1 w tractor	Case 470 Quadtrac w Brent 1000 bushel cart	\$5.00	\$300.00
Harvest - combine 1	Case 8250 combine w MacDon FD135 header 35'	\$55.00	\$3,300.00
Water costs	None- Gravity fed water from lake		\$0.00
Sub-Total First Crop		\$395.21	\$23,712.60
Second Crop			
Ratoon Crop Manipulation			\$0.00
Ratoon Crop Fertilizer			\$0.00
Ratoon Fertilizer Application Cost			\$0.00
Ratoon Crop Water Cost			\$0.00
Ratoon Crop Harvest Cart 1			\$0.00
Ratoon crop Harvest Combine 1			\$0.00
Sub-Total - Second Crop		\$0.00	\$0.00
TOTAL		\$395.21	\$23,712.60

¹The Evangeline verification field was 60 acres.

Jeff Davis Parish

Connor Popeck from Gueydan, was the Jeff Davis Parish producer for the second year with a field located near Roanoke La. The Jeff Davis extension agent with rice responsibility, Kim Landry as well as Jimmy Meaux from Calcasieu parish participated in the weekly field visits. PVL 03 seed treated with dermacor & cruiser max insecticide was drill- seeded at a rate of 55 lb/A on March 20. At planting 6.3 oz of command herbicide was applied. Provisia and permit herbicides were also used during the season for weed control. The field was fertilized and managed according to AgCenter recommendations and grew phenomenally well. After planting emergence was very uniform and plants exhibited exceptional growth and vigor. Tillering was very good with excellent growth and tiller development. After climate smart drying management procedures, a 10 oz application of provisia was followed by a 200 # per acre urea application. After this a very clean field was flooded up and green ring was reached on May 12. During the panicle development process in the boot there was very little to no disease found in field scouting. The plants continued their excellent growth and development reaching 50% headed on June 17. The field was drained early on July 11. The harvest was on July 29.

Yield of the PVL03 in first crop as well as ratoon crop was outstanding and as follows: When adjusted to 12% dry rice yields were, 7,484 #/A, 46.2 bbl/A, and 166.3 bu/A for the first crop. Second or Ratoon crop yields were: 2,835 #/A, 17.5 bbl/A and 63 bu/A. Total dry adjusted field yields were: 10,319 #/A, 63.7 bbl/A, and 229.3 bu/A .

Jeff Davis Parish

Cooperator: Connor Popeck
Agent: Kim Landry & Jimmy Meaux
Consultant: Chet Marcantel
Field Size: 80 Acres

Cultural Practices

Variety: PVL03
Method of Planting: Drilled
Water Management: Delayed flood

Seeding Rate: 55 lb/A
Date of Planting: 3/20/25
Date of Emergence: 3/29/25

Growth and Development

Stage	Observation Date
Green Ring	5/12
PD	5/15
50% Heading	6/17
Drain for Harvest	7/11
Harvest	8/15

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
First Crop	74.84	58.3/71	770.00	10.28	154.00
2nd Crop	28.35		202.50	7.11	157.70
Field Totals	103.19		972.50	9.19	311.70

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	ZN (lb/A)
4/13	9-23-30 +zn	250	22	58	75	0	10
5/6	46%	270	125	0	0	0	0
5/20	46%	150	69	0	0	0	0
1st crop total			216	58	75	0	10
2nd crop	46%	200	90	0	0	0	0
Total			306	58	75	0	10

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Grasses, sedge, Sprangletop, Off type rice, aster,byg	Pre-plant	25oz glyphosate, 2 oz sharpen, 6.25 oz command
	4/13	11 oz provisia+ 1 oz permit + no drift + 1% coc
	5/3	10 oz provisia + .75 oz permit + 1 % coc

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
Prophylactic	5/15	12 oz quilt + 9 oz tilt

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW prevention	3/20	Dermacor X-100

Table 7. Jeff Davis Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown	25oz/A Rdup + 2 oz Sharpen + 6.2 oz Command	\$33.00	\$2,640.00
Application cost- herbicide	Ground Rig	\$7.50	\$600.00
Field Work, Discing etc.	Disc 420 HPTractor, 42 ft disc	\$20.00	\$1,600.00
Water leveling, Bed leveling etc?			\$0.00
Ditching	105 HP Tractor + Ditcher	\$2.00	\$160.00
Seed	55 #/A of PVL03 + Dermacor X-100 + AV1011 + fung	\$110.00	\$8,800.00
Seed treatment (if separate)			\$0.00
Planting Costs	420 Hp Tractor & 42 ft drill	\$30.00	\$2,400.00
Fertilizer	250 #/A 0-23-30 + Zn	\$70.00	\$5,600.00
Application cost-fertilizer	Groound Rig air flow	\$13.00	\$1,040.00
Herbicide	11 oz/A Provisia + .75 oz/A permit + oil + no drift	\$20.00	\$1,600.00
Application cost herb	Ground rig	\$7.50	\$600.00
Herbicide	10 oz/A Provisia + .75 oz/A Permit + oil + no drift	\$20.00	\$1,600.00
Application cost herb	Ground Rig Air Flow	\$7.50	\$600.00
Fertilizer	270 #/A urea	\$70.00	\$5,600.00
Application cost - Fertilizer	Aerial Application Costs	\$28.00	\$2,240.00
Fertilizer	150 #/A Urea	\$42.00	\$3,360.00
Application cost - fertilizer	Aerial Application Costs	\$15.00	\$1,200.00
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fungicide	12 oz quilt xl + 9 oz tilt	\$15.00	\$1,200.00
Application cost-fungicide	Aerial Application Costs	\$15.00	\$1,200.00
Fungicide			\$0.00
Application cost -fungicide			\$0.00
Insecticide			\$0.00
Application cost -insecticide			\$0.00
Harvest -cart 1 w tractor		\$9.50	\$760.00
Harvest - combine 1		\$110.00	\$8,800.00
Water costs		\$125.00	\$10,000.00
Sub-Total - First Crop		\$770.00	\$61,600.00
Second Crop			
Ratoon Crop Manipulation	105 HP Tractor , 40 ft crumbler	\$ 15.00	\$1,200.00
Ratoon Crop Fertilizer	200 #/A Urea	\$ 68.00	\$5,440.00
Ratoon Fertilizer Application Cost	Aerial Application Costs	\$ 20.00	\$1,600.00
Ratoon Crop Water Cost	Agcenter Budgets	\$ 35.00	\$2,800.00
Ratoon Crop Harvest Cart 1	Agcenter Budgets	\$ 9.50	\$760.00
Ratoon crop Harvest Combine 1	Agcenter Budgets	\$ 55.00	\$4,400.00
Sub-Total - Second Crop		\$ 202.50	\$16,200.00
TOTAL		\$972.50	\$77,800.00

¹The Jeff Davis verification field was 80 acres

St. Landry Parish

Mr. Justin Thibodeaux, and his father Mr. Paul Thibodeaux were the producers cooperating with us on the St. Landry Field, which was located just North of Eunice, in the Mariaun's Lake area. Vince Deshotel was the local agent working with Mr. Thibodeaux. This was Justin's first year in the verification program and his first year managing a rice crop. He water seeded 80 #'s per acre of PVL 03 seed treated with dermacor insecticide and AV1011 bird repellent. One of the main issues in this field was the management for control of a dense population of red rice and off type rice accumulated over several years. Provisia herbicide performed very well for this, however rain and field conditions delayed applications of herbicide and fertilizer which did impact weed control, plant growth and vigor as well as overall yield. After planting on March 11, the rice reached green ring on May 8, and 50 % heading on June 15. Plant growth and vigor were very good but not outstanding, in part due to red rice and outcross competition and delays in applications due to weather. Maturity was good enough to drain on July 9, with field harvest on July 23. Green yield was a very respectable 7,203 #/acre, or 44.5 bbls/acre and 160 bu/acre at 16.5% moisture, which is excellent considering the field problems as well as weather delays in applications. When adjusted to 12% moisture yields are: 6,843 #/acre or 42.2 bbl/acre and 152 bu/acre. This field is being managed for crawfish production this fall and spring of 2026.

St. Landry Parish

Cooperator: Justin & Paul Thibodeaux

Agent: Vince Deshotel

Consultant:

Field Size: 28 acres

Cultural Practices

Variety: PVL 03

Method of Planting: Water Planted

Water Management: Delayed Flood

Seeding Rate: 80 #/A

Date of Planting: 3/11/25

Date of Emergence: 3/27/25

Growth and Development

Stage	Observation Date
Green Ring	5/8
PD	5/10
50% Heading	6/15
Drain for Harvest	7/9
Harvest	7/23

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
1 st crop	68.43	62.7/73	733.61	10.72	112.18
2 nd crop					
Totals	68.43				

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	Zn (lb/A)
3/27	0-18-36 + zinc	300	0	54	108	0	10
4/17	46 %	200	92	0	0	0	0
5/17	46%	100	46	0	0	0	0
1st crop total			138	54	108	0	10

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Sedge, Grasses, AW, rice off types	3/27	6 oz command impregnated on fertilizer
Sedge, grasses, rice off types, AW	4/16	10 oz provisia + 1 oz gambit +2 oz marvx + 16 oz contriver
Rice off types	4/29	10 oz provisia + 16 oz contriver + 2 oz marvx
Rice off types	6/8	10.6 oz provisia

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
Sheath Blight	6/8	21 oz trevoprop + 5.6 oz tigris + 5.6 oz contriver

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW Prevention	3/11	Dermacor X-100

Table 8 St. Landry Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown			\$0.00
Application cost- herbicide			\$0.00
Field Work, Discing etc.	400 hp tractor + 32 ft disc	\$18.50	\$518.00
Water leveling, Bed leveling etc	400 hp tractor + 32 ft blade	\$23.90	\$669.20
Ditching	130 hp tractor + ditcher	\$1.84	\$51.52
Seed	PVL03 @ 80 #s/A	\$112.41	\$3,147.48
Seed treatment (if separate)	dermacor + duvet + revize, + AV-1011	\$60.46	\$1,692.88
Planting	Aerial Application	\$12.00	\$336.00
Fertilizer	300 #/A 0-18-36 +zinc + 6 oz command	\$103.12	\$2,887.36
Application cost - fertilizer	Aerial Application	\$26.05	\$729.40
Herbicide	10 oz provisia + 1 oz gambit +2 oz mavrx + 16 oz contriver	\$33.16	\$928.48
Application cost herb	Aerial Application	\$15.00	\$420.00
Herbicide	10 oz provisia + 2 oz mavrx + 16 oz contriver	\$14.56	\$407.68
Application cost herb	Aerial Application	\$15.00	\$420.00
Fertilizer	200 #/A urea	\$57.10	\$1,598.80
Application cost - fertilizer	Aerial Application	\$17.90	\$501.20
Fertilizer	100 #/A urea	\$31.34	\$877.52
Application cost - fertilizer	Aerial Application	\$12.00	\$336.00
Herbicide	10.66 oz provisia	\$8.94	\$250.32
Application cost-herbicide	tank mix with fungicide		\$0.00
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fungicide	21 oz trevoprop + 5.6 oz vigil + 16 oz contriver	\$18.19	\$509.32
Application cost-fungicide	Aerial Drone Application	\$12.96	\$362.88
Fungicide			\$0.00
Application cost -fungicide			\$0.00
Insecticide			\$0.00
Application cost -insecticide			\$0.00
Harvest -cart 1 w tractor	Custom harvester	\$13.00	\$364.00
Harvest - combine 1	Custom harvester	\$40.00	\$1,120.00
Water costs	Electric + diesel	\$86.09	\$2,410.52
Sub-Total - First Crop		\$733.52	\$20,538.56
Second Crop			
Ratoon Crop Manipulation			\$0.00
Ratoon Crop Fertilizer			\$0.00
Ratoon Fertilizer Application Cost			\$0.00
Ratoon Crop Water Cost			\$0.00
Ratoon Crop Harvest Cart 1			\$0.00
Ratoon crop Harvest Combine 1			\$0.00
Sub-Total - Second Crop		\$0.00	\$0.00
TOTAL		\$733.52	\$20,538.56

¹The St. Landry verification field was 28 acres

Vermilion Parish

The Vermilion Parish verification cooperator was Carl Stelly, a first-time participant in the program. This field was located about a mile south of Nunez on hwy 695. Consulting county agent on this field was Jeremy Hebert, county agent with rice responsibilities for multiple parishes in Southwest Louisiana. Prior to planting a bundown application of 40oz glyphosate + .75 oz first shot herbicide was applied in early February. After light cultivation, the 15-acre field was drill planted with 52 #’s/acre of DG 263 seed treated with Dermacor XL and AV1011 bird repellent on March 13. On March 26, 250 #’s of urea was applied and made an impressive impact on the young rice. Then on May 9, 200 #’s of 0-11-44 fertilizer, impregnated with 6 oz of command was applied for control of the very few grasses and weeds present in the field. Weed control proved excellent. From this point on this rice stand grew well under favorable weather conditions. Tillering was very good, as well as overall root and stem growth. Green ring was reached on May 11 with 50% heading on June 10. Very little evidence of disease was observed and with prevailing weather patterns and stand density considered a fungicide application was deemed unnecessary. There was no evidence of rice stink bug infestation at any significant level during the heading and panicle fill stages. Expenses were kept to a minimum with basic fertilizer impregnated with herbicide, along with 171 pounds of nitrogen in split applications being the only inputs after planting, other than flood cost. The field was drained on July 5, with harvest occurring on July 29. Harvest yield was 7,808 #’s/acre or 48.2 bbls/acre @ 15 % moisture. When adjusted to 12% moisture this equates to 7,535 #’s/acre or 46.5 bbls/acre, and 167 bu/acre. An excellent yield which should provide outstanding economic returns on a field managed very successfully and economically.

Vermilion Parish

Cooperator: Carl Stelly
Agent: Jeremy Hebert
Consultant:
Field Size: 15 acres

Cultural Practices

Variety: DG 263
Method of Planting: Drill Planted
Water Management: Delayed Flood

Seeding Rate: 52#/A
Date of Planting: 3/13/25
Date of Emergence: 3/27/25

Growth and Development

Stage	Observation Date
Green Ring	5/11
PD	5/13
50% Heading	6/10
Drain for Harvest	7/5
Harvest	7/29

Yield, Milling, and Economic Data

	Yield at 12% Moisture (cwt/A)	Milling Yield (% Whole / % Total)	Variable Costs (\$/A) ¹	Cost of Production (\$/cwt) ¹	Return on Variable Costs (\$/A) ^{1,2}
1 st crop	75.35	55/67	693.20	9.19	238.12
Totals	75.35				

¹ Costs captured are from land preparation to getting the crop to the truck. They do not include land rent, transportation, drying, storage, or fixed costs.

² This value was obtained using a selling price of \$12.36/cwt.

Fertilization

Date	Source	Rate (lb/A)	N (lb/A)	P (lb/A)	K (lb/A)	S (lb/A)	Zn (lb/A)
3/26	0-11-44	250	0	28	110	0	0
4/10	46% urea	150	69	0	0	0	0
4/19	46% urea	150	69	0	0	0	0
5/12	33%	100	33	0	0	0	0
1st crop total			171	28	110	0	0

Weed Management

Weeds Present	Date of Treatment Decision	Recommendation
Sedge, grasses, AW, BYG	Early Feb. burndown	40 oz glyphosate +.75 oz first shot
Sedge, grasses, AW, BYG	5/11	6 oz command impregnated on fertilizer
Sedge, Grasses, AW,BYG	4/10	1 gal/a propanil + 1 oz permit

Disease Management

Diseases Present	Date of Treatment Decision	Recommendation
	N/A	

Insect Management

Insects Present	Date of Treatment Decision	Recommendation
RWW Prevention	4/2	Dermacor X-100

Table 9. Vermilion Verification Field – Estimated Variable Production Costs

Activity	Description	Estimated Costs Per Acre (\$)	Estimated Costs Entire Field ¹ (\$)
First Crop			
Herbicide Burndown	40 oz glyphosate + .75 oz first shot	\$17.00	\$255.00
Application cost- herbicide	Aerial Drone Application	\$13.00	\$195.00
Field Work, Discing etc.			\$0.00
Water leveling, Hipping rows	280 hp tractor + 20 ft blade (2X)	\$16.20	\$243.00
Ditching	105 hp tractor + ditcher	\$1.85	\$27.75
Seed	Dyna Grow 263 @ 52 #/A	\$67.00	\$1,005.00
Seed treatment (if separate)			\$0.00
Planting	200 hp tractor + 20 ft drill	\$11.00	\$165.00
Fertilizer	250 #/A 0-11-44 + 6 oz command impregnated	\$66.00	\$990.00
Application cost - fertilizer	Aerial Application	\$20.00	\$300.00
Herbicide	1 gal propanil + 1 oz permit	\$63.00	\$945.00
Application cost herb	Aerial Application	\$13.00	\$195.00
Herbicide			\$0.00
Application cost herb			\$0.00
Fertilizer	150 #/A urea	\$38.50	\$577.50
Application cost - fertilizer	Aerial Application	\$13.00	\$195.00
Fertilizer	150 #/A urea	\$41.25	\$618.75
Application cost - fertilizer	Aerial Application	\$13.00	\$195.00
Fertilizer	100 #/A 38%	\$31.50	\$472.50
Application cost-fertilizer	Aerial Application	\$9.83	\$147.45
Fertilizer			\$0.00
Application cost-fertilizer			\$0.00
Fungicide			\$0.00
Application cost-fungicide			\$0.00
Fungicide			\$0.00
Application cost -fungicide			\$0.00
Insecticide			\$0.00
Application cost -insecticide			\$0.00
Harvest -cart 1 w tractor	170 hp tractor + cart	\$7.70	\$115.50
Harvest - combine 1	223 case + 25 ft draper header	\$55.00	\$825.00
Water costs	From AgCenter budget	\$195.37	\$2,930.55
Sub-Total - First Crop		\$693.20	\$10,398.00
Second Crop			
Ratoon Crop Manipulation			\$0.00
Ratoon Crop Fertilizer			\$0.00
Ratoon Fertilizer Application Cost			\$0.00
Ratoon Crop Water Cost			\$0.00
Ratoon Crop Harvest Cart 1			\$0.00
Ratoon crop Harvest Combine 1			\$0.00
Sub-Total - Second Crop		\$0.00	\$0.00
TOTAL		\$693.20	\$10,398.00

¹ The Vermilion verification field was 15 acres

Table 10. Summary of Management Practices and Economic Data per Acre for 2025 Verification Fields

Parish	Planting Method	Rice Variety	Planting Date	Water Mgmt.	Seed Costs \$/A	Planting Costs \$/A	Herbicide Costs \$/Ac	Herbicide App. Costs \$/A
Acadia ¹	Drill	PVL 03	3/27	Delayed	72.75	30.00	76.81	71.22
Avoyelles ¹	Dry broadcast	CLL 19	4/17	Delayed	255.45	6.00	77.00	7.50
Beauregard	Drill	RT 7302	4/16	Delayed	172.00	22.00	54.75	10.00
Evangeline	Drill	DG 563 PV	3/20	Delayed	42.50	7.00	37.01	12.00
Jeff Davis ¹	Drill	PVL03	3/20	Delayed	110.00	30.00	73.00	22.50
St. Landry	Water	PVL 03	3/11	Delayed	172.87	12.00	56.76	30.00
Vermilion ¹	Drill	DG 263	3/13	Delayed	67.00	11.00	80.00	28.00

¹Values include first and ratoon crop**Table 11. Summary of Management Practices and Economic Data per Acre for 2025 Verification Fields**

Parish	Fertilizer Costs \$/A	Fertilizer App. Costs \$/A	Fungicide Costs \$/A	Fungicide App. Costs \$/A	Insecticide Costs \$/A ¹	Insecticide App. Costs \$/A	Water Costs \$/A
Acadia ¹	316.77	55.87	16.48	11.35	N/A	N/A	250.42
Avoyelles	416.43	23.00	N/A	N/A	N/A	N/A	195.37
Beauregard	216.05	54.02	19.49	10.85	N/A	N/A	90.54
Evangeline	153.83	51.08	10.44	9.50	N/A	N/A	0 ²
Jeff Davis ¹	258.00	76.00	15.00	15.00	N/A	N/A	160.00
St. Landry	191.56	55.95	18.19	12.96	N/A	N/A	86.09
Vermilion	177.25	58.83	N/A	N/A	N/A	N/A	195.37

¹Values include first and ratoon crop²No water cost, producer owned, gravity fed lake surface water used**Table 12. Summary of Management Practices and Economic Data for 2025 Verification Fields.**

Parish	Harvest Date	Yield at 12% Moisture cwt	Yield at 12% Moisture bbls	Yield at 12% Moisture bu	Milling % Whole/% Total	Variable Costs (\$/A)	Cost of Production (\$/cwt) ²	Return on Variable Costs (\$/A) ²
Acadia ¹	7/28	73.4	45.3	163	62.1/73	1125.94	15.33	(218.72)
Avoyelles	8/20	61.24	37.8	136	55.3/71	1078.20	17.60	(321.30)
Beauregard	8/14	68.36	42.2	152	58.8/73	710.70	10.39	134.22
Evangeline	7/31	79.02	48.7	176	56.3/70	395.21	5.00	581.00
Jeff Davis ¹	8/7	103.9	63.7	229.3	58.3/71	972.50	9.35	112.18
St. Landry	7/23	68.43	42.2	152	62.7/73	733.61	10.72	112.84
Vermilion	7/29	75.35	46.5	167	55/67	693.20	9.19	238.12

¹Value includes first and ratoon crop²Value obtained using selling price of \$12.36/cwt

Twenty-Eight-Year Louisiana Rice Research Verification Summary.

Table 13. Verification Acres and Yields – 1998

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia*	53.0	32.8	118.1	5,314
Avoyelles	32.5	42.9	154.4	6,950
Calcasieu*	60.0	34.1	122.8	5,524
East Carroll	33.9	41.1	148.0	6,658
Evangeline	33.0	42.9	154.4	6,950
Jefferson Davis*	61.8	37.3	134.3	6,043
Madison	36.6	39.0	140.4	6,318
Morehouse	63.0	33.8	121.7	5,476
St. Landry	37.1	38.2	137.5	6,188
Vermilion	16.7	29.4	105.8	4,763
TOTALS	427.6	37.2	133.7	6,018

*Yield includes second crop

Table 14. Verification Acres and Yields - 1999

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia*	31.1	37.4	134.6	6,059
Avoyelles	32.5	46.6	167.8	7,549
Calcasieu	49.3	34.6	124.6	5,605
Catahoula	30.4	33.4	120.2	5,411
East Carroll	36.1	47.0	169.2	7,614
Evangeline	22.3	43.1	155.2	6,982
Jefferson Davis*	26.6	30.8	110.9	4,990
Madison	38.1	39.0	140.4	6,318
St. Landry	30.1	38.8	139.7	6,286
Vermilion	23.8	36.5	131.4	5,913
TOTALS	320.3	38.7	139.4	6,273

*Yield includes second crop

Table 15. Verification Acres and Yields - 2000

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	53.3	39.4	141.8	6,383
Avoyelles	63.2	36.7	132.1	5,945
Calcasieu	22.1	25.1	90.4	4,066
Catahoula	39.6	36.4	131.0	5,897
East Carroll	45.1	49.1	176.8	7,956
Evangeline	19.9	38.2	137.5	6,188
Jefferson Davis	30.6	26.7	96.1	4,325
Morehouse	27.7	28.3	101.9	4,585
St. Landry	70.7	39.2	141.1	6,350
Vermilion*	21.6	37.7	135.7	6,107
TOTALS	393.8	35.7	128.4	5,780

*Yield includes second crop

Table 16. Verification Acres and Yield - 2001

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia*	60.6	50.8	182.9	8,230
Allen	41.6	35.1	126.4	5,686
Avoyelles	63.2	38.1	137.2	6,172
Calcasieu*	61.9	39.4	142.0	6,388
Concordia	79.6	36.1	130.1	5,853
Evangeline*	20.8	52.7	189.7	8,538
Jefferson Davis*	21.6	57.3	206.4	9,289
Richland	65.9	46.0	165.5	7,447
St. Landry*	40.6	51.1	184.0	8,282
Vermilion*	33.3	52.4	188.7	8,493
TOTALS	489.1	45.9	165.3	7,438

*Yield includes second crop

Table 17. Verification Acres and Yields – 2002

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia*	38.4	49.8	179.3	8,068
Allen*	25.1	46.0	165.6	7,452
Avoyelles	37.4	49.9	179.6	8,084
Beauregard*	49.5	53.1	191.2	8,602
Calcasieu*	41.4	42.4	152.6	6,869
Concordia	67.6	48.2	173.5	7,808
Evangeline	42.0	37.6	135.4	6,091
Jefferson Davis*	31.7	45.0	162.0	7,290
Richland	35.8	42.1	151.5	6,819
St. Landry	32.7	48.8	175.7	7,906
Vermilion*	32.0	49.8	179.4	8,072
TOTALS	433.6	46.6	167.8	7,551

*Yield includes second crop

Table 18. Verification Acres and Yields - 2003

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	57.2	44.0	158.4	7,128
Allen*	35.7	46.1	166.0	7,469
Avoyelles	37.4	50.1	180.4	8,116
Beauregard*	45.7	48.7	175.2	7,884
Concordia	79.5	49.2	177.1	7,970
Evangeline*	48.4	44.5	160.2	7,209
Jefferson Davis*	52.9	28.7	103.3	4,649
Richland	40.2	44.7	160.8	7,234
St. Landry*	32.7	61.1	220.0	9,898
Vermilion*	33.0	40.0	144.0	6,480
TOTALS	462.7	45.7	164.5	7,404

*Yield includes second crop

Table 19. Verification Acres and Yields – 2004

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Allen*	53.2	40.9	147.1	6,620
Avoyelles	33.3	32.8	118.0	5,307
Beauregard*	21.8	42.5	153.3	6,899
Concordia	82.3	36.0	130.0	5,843
East Carroll	54.8	45.8	165.0	7,427
Evangeline	30.7	34.8	125.2	5,638
Jefferson Davis*	42.3	38.5	138.6	6,237
Natchitoches	47.2	44.1	158.8	7,144
St. Landry*	60.1	65.1	234.3	10,543
Vermilion*	30.0	42.1	151.6	6,824
TOTALS	455.7	42.3	152.2	6,848

*Yield includes second crop

Table 20. Verification Acres and Yields - 2005

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	28.9	39.6	143.8	6,427
Allen	76.7	25.6	92.0	4,140
Avoyelles	32.1	35.9	129.3	5,819
Calcasieu	49.0	51.0	184.0	8,282
Concordia	60.5	43.0	156.0	7,003
East Carroll	30.4	47.9	172.7	7,771
Evangeline	30.0	37.1	133.6	6,014
Jefferson Davis	39.2	32.5	117.0	5,264
Natchitoches	30.0	43.3	156.0	7,022
Richland	47.4	49.2	177.2	7,974
St. Landry	61.7	47.5	170.9	7,689
Vermilion	52.8	40.9	147.3	6,631
TOTALS	538.7	41.1	148.3	6,670

* No ratoon crop was harvested in the verification program in 2005.

Table 20. Verification Acres and Yields - 2006

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	41.8	43.0	155.0	6,972
Concordia	54.7	50.8	183.0	8,237
East Carroll	60.4	44.5	150.0	7,210
Evangeline	29.4	32.3	116.0	5,227
Jefferson Davis	21.5	43.8	157.8	6,000
St. Landry	40.9	36.8	132.5	5,962
Vermilion	29.6	37.0	133.3	7,100
West Carroll	50.1	53.1	191.2	8,603
TOTALS	328.4	43.4	156.4	7,040

* No ratoon crop was harvested in the verification program in 2006.

Table 21. Verification and Yields - 2007

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	40.9	56.7	204	9,187
Concordia	53.8	53.6	193	8,680
East Carroll	23.0	49.0	176	7,917
Evangeline – St. Landry	33.9	50.1	180	8,122
Jefferson Davis*	38.9	55.8	201	9,046
Vermilion*	36.6	46.0	166	7,451
West Carroll	40.2	45.4	164	7,356
TOTALS	267.3	51.2	184	8,293

*Yield includes second crop

Table 22. Verification Acres and Yields - 2008

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	40.9	47	170	7,657
Calcasieu*	55.1	51	183	8,247
Concordia	54.7	44	160	7,178
Evangeline	46.4	42	152	6,840
Madison	41.5	51	182	8,208
Jefferson Davis*	37.7	52	189	8,481
St. Landry	60.2	48	173	7,801
Vermilion*	51.1	70	252	11,359
TOTALS	387.6	51	183	8,228

*Yield includes second crop

Table 23. Verification Acres and Yields - 2009

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia*	56.6	70.9	255.3	11,489
Avoyelles	28.6	50.7	182.5	8,214
Calcasieu*	41.7	58.1	209.3	9,418
Concordia	57.0	49.6	178.6	8,035
East Carroll	33.6	41.3	148.7	6,692
Evangeline*	22.5	61.7	222.2	9,999
Madison	29.0	50.4	181.5	8,168
St. Landry	49.4	49.3	177.5	7,987
Vermilion*	41.5	66.9	241.0	10,843
TOTALS	359.9	56.0	201.7	9,078

*Yield includes second crop

Table 24. Verification Acres and Yields - 2010

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	41.8	49.7	179.0	8,057
Jefferson Davis*	35.8	67.5	243.1	10,941
St. Landry	31.3	44.3	159.4	7,171
TOTALS	108.9	54.0	194.4	8,750

*Yield includes second crop

Table 25. Verification Acres and Yields - 2011

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Allen	23.2	48.1	173.3	7,799
Cameron ¹	17.6	57.6	207.4	9,332 ¹
Madison	10.5 ²	57.9	208.5	9,382
St. Landry	45.7	42.5	153.1	6,890
Vermilion	24.0	54.0	194.5	8,754
TOTALS	121.0	49.4	177.9	8,005

¹ Yield includes second crop.

² Yield calculated on 10.5 acres, total field acres 73.4.

Table 26. Verification Acres and Yields - 2012

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Allen	30.7	45.6	164.2	7,391
Cameron ¹	35.7	42.3	152.4	6,858
Concordia	37.4	45.2	162.7	7,321
St. Landry ¹	44.1	64.9	233.6	10,510
Vermilion	16.5	44.1	158.6	7,137
TOTALS	164.4	49.8	179.3	8,071

¹Yield includes second crop**Table 27. Verification Acres and Yields - 2013**

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Evangeline	38.0	51.7	186.0	8,368
Jeff Davis ¹	39.3	65.1	234.2	10,541
St. Landry ¹	52.4	75.2	270.7	12,183
Vermilion	17.3	36.4	131.1	5,898
W. Carroll	34.5	65.3	235.2	10,582
TOTALS	181.5	62.5	225.0	10,125

¹Yield includes second crop**Table 28. Verification Acres and Yields - 2014**

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Concordia	23.0	48.5	174.8	7,865
Evangeline	20.7	46.2	166.3	7,483
Jeff Davis ¹	42.6	83.8	301.6	13,574
Vermilion ¹				
W. Carroll	32.2	51.4	185.1	8,329
TOTALS	118.5			9,931

¹Yield includes second crop**Table 29. Verification Acres and Yields - 2015**

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia ¹	40.5	85.5	308	13,867
Cameron ¹	45	65	233	10,522
Concordia	18	52	189	8,487
Vermilion	39.2	40	145	6,529
W. Carroll	36.5	56	202	9,089
TOTALS	179.2	61	219.9	9,908

¹Yield includes second crop

Table 30. Verification Acres and Yields - 2016

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia ¹	45	74.34	267.6	12,040
Cameron ¹	25	61.5	221.4	9,960
Concordia	18	48.9	176	7,930
Vermilion ²	18			
Richland	24	42	151	6,902
TOTALS³	112	60.4	217	9,814

¹Yield includes second crop²Not harvested due to flood³Harvested acres only**Table 31. Verification Acres and Yields - 2017**

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	31.6	35.12	137.23	6,475
Calcasieu ¹	19.5	54.79	197.3	8,887
East Carroll	5 ²	59.8	215.75	9,709
Richland	32.7	52.25	188.12	8,465
Morehouse	34.4	65.8	237	10,667
TOTALS	123.2	52.3	191.28	8,686

¹Yield includes second crop²Yield calculated on 5 acres, total field area 90 acres**Table 32. Verification Acres and Yields - 2018**

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Avoyelles	31	46.47	167.2	7528
Calcasieu ¹	16.9	47.7	171.3	7730
East Carroll	6 ²	56.2	202.6	9117
Vermilion	30	49.2	177.2	7978
TOTALS	83.9	48.3	174.1	7843

¹Yield includes second crop

Table 33. Verification Acres and Yields - 2019

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	8	37.4	134.6	6060
Evangeline	31	37.4	134.6	6060
Jeff Davis ¹	18	54.1	194.6	8766
Morehouse	13	38.9	140.2	6309
TOTALS	70	41.96	151	6801

¹Yield includes second crop

Table 34. Verification Acres and Yields - 2020

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	42	54.6	197	8849
Evangeline	46	40.16	144.5	6506
Jeff Davis	9.5	41.5	149	6722
Vermilion	30	47.7	171	7727
TOTALS	127.5	46.78	168.3	7581

No Ratoon Crop harvested in 2020 Verification program

Table 35. Verification Acres and Yields - 2021

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	82	48.3	174	7837
Allen ¹	30	58.6	211	9499
Calcasieu	18.5	48.4	174	7840
Vermilion ¹	63	52.9	190.2	8588
TOTALS	193.5	51.4	185	8339

¹Value includes first and ratoon crop

Table 36. Verification Acres and Yields - 2022

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	50	48.3	174	7827
Allen	150	40	143	6423
Evangeline	61.6	46	165	7460
St. Landry	45	48	173	7776
TOTALS	306.6	43.5	156.6	7050

No Ratoon Crop harvested in 2022 Verification program

Table 37. Verification Acres and Yields - 2023

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia	50	33	118	5660
Allen ¹	18	51.5	185.7	8357
Avoyelles	22	23	83	3738
Evangeline	43.5	40.7	146	6596
Vermilion	20.4	61.7	222	10005
TOTALS	153.9	37.3	134	6049

¹Includes Ratoon Crop in 2023 Verification Program

Table 38. Verification Acres and Yields - 2024

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia ¹	40	64.8	105.5	10,505
Allen ¹	20	53.1	191	8,617
Jeff Davis ¹	80	64.2	231	10,410
Vermilion ¹	95	53.14	191.3	8609
TOTALS	235	58.8	191	9,545

¹Includes Ratoon Crop in 2024 Verification Program

Table 39. Verification Acres and Yields - 2025

Parish	Acres	Yield at 12% Moisture Barrels/A	Yield at 12% Moisture Bushels/A	Yield at 12% Moisture Pounds/A
Acadia ¹	50	45.3	163.1	7,342
Avoyelles	15	37.8	136	6,124
Beauregard	35	42.2	153	6,836
Evangeline	60	48.7	176	7,902
Jeff Davis ¹	80	63.7	229.3	10,319
St. Landry	28	42.2	152	6,843
Vermilion	15	46.5	167	7,535
TOTALS	284	46.6	168.1	7557

¹Includes Ratoon Crop in 2025 Verification Program

Table 40. Rice Verification Acreage and Yield Summary, 1998 – 2025

Year	Verification Totals Acres	Verification Totals Yield (Lbs./Ac)	Verification Parish Totals ¹ Acres	Verification Parish Totals ² Yield (Lbs./Ac)	Difference In Yields (Lbs./Ac)
1998	427.6	6,018	475,103	5,052	966
1999	320.3	6,273	444,015	5,502	771
2000	393.8	5,780	385,824	5,620	160
2001	489.1	7,438	412,286	5,794	1,644
2002	433.6	7,551	412,630	5,764	1,787
2003	462.7	7,404	327,843	5,843	1,561
2004	455.7	6,848	311,606	5,582	1,266
2005	538.7	6,670	402,759	6,165	505
2006	328.4	7,040	185,249	5,644	1,396
2007	267.3	8,293	183,357	6,501	1,792
2008	387.6	8,228	258,845	6,047	2,181
2009	359.9	9,078	246,793	6,715	2,363
2010	108.9	8,750	125,856	6,488	2,262
2011	121	8,005	110,236	6,175	1,830
2012	164.4	8,071	109,823	6,043	2,028
2013	181.5	10,125	202,366	7,524	2,602
2014	118.5	9,931	194,761	7,541	2,390
2015	179.2	9,908	149,888	6,860	3,048
2016	112	9,814	159,514	6,549	3,265
2017	123.2	8,686	50,176	7,482	1,204
2018	83.9	7,843	77,214	6,580	1,263
2019	70	6,801	241,093	6,075	726
2020	127.5	7,581	269,997	6,798	783
2021	193.5	8,339	162,350	6,742	1,597
2022	306.6	7,050	172,426	6,787	263
2023	153.9	6,049	229,676	7,215	1,166
2024	235	9,545	332,400	6,724	2,821
2025	284	7,793	*	*	*
Totals	7,143.8		6,301,686		

* Not available at press time.

¹The estimate of yield for Verification Parish Totals is derived by first multiplying the acreage of each participating parish by the average yield reported for the parish in the LSU Ag Summary publication to get an estimate of total production for the parish. Then, total production for each participating parish is summed to get a total production estimate across all participating parishes. Finally, the total production estimate is divided by the total acreage of the participating parishes to get an average yield across the participating parishes.

STATION PERSONNEL

Name	Title
Adam Famoso, Associate Professor	Resident Coordinator and Rice Breeder
Kurt Guidry, Professor	Assistant Resident Coordinator
Kimberly G. Guidry	Administrative Program Specialist-A
Carol D. LeDoux	Administrative Program Specialist-A
Hannah Derouen	Accounting Specialist 2
Kenneth Carmouche r	Custodian 2
Estelle Trahan	Safety Coordinator
Adam Famoso, Associate Professor	Rice Breeding
Brijesh Angira	Assistant Professor - Research
Karina Borges	Postdoctoral Researcher
Jennifer Manangkil	Postdoctoral Researcher
Jomar Punzalan	Postdoctoral Researcher
Valerie Dartez	Research Associate Coordinator
Blaise Frey	Research Associate Specialist
Madeline LeJeune	Research Associate Specialist
Jessica Thornton	Research Associate Specialist
Andrew Thibodeaux	Research Associate Specialist
Brady Williams	Research Associate Specialist
Jennifer Dartez	Research Farm Specialist 2
Tara Vanicor	Research Farm Specialist 2
Flavia Furlan	Graduate Assistant
Felipe Dalla Lana da Silva, Assistant Professor	Rice Pathology
Laura Monte	Research Farm Specialist 2
Dylan Trahan	Research Associate Specialist
Anderson Cerutti	Graduate Assistant
Dulakshi Mohottiage	Graduate Assistant
Bruno Borges	Graduate Assistant
Manoch Kongchum, Assistant Professor	Rice Agronomy/Rotational Crops
Jacob Fluitt	Research Associate Coordinator
James Leonards	Research Associate Specialist
Bradley Beard	Research Associate Specialist
Matthew Breaux	Research Farm Specialist 1

STATION PERSONNEL (Continued)

Name	Title
Brent Theunissen, Research Associate/Coordinator/Manager	Farm Management
Brandon Frey	Research Farm Manager 1
Jason Hartman	Research Farm Specialist 2
Paul Miller	Research Farm Specialist 2
Jimmy Pellerin	Research Farm Specialist 2
Thomas Reed	Research Farm Specialist 2
Todd Fontenot, Agent	Crawfish Production and Demonstration
Caden Benoit	Research Farm Specialist 2
Dean LeJeune, Research Farm Maintenance Manager	Maintenance Department
Nathan Breaux	Maintenance Repairer 2
Justin Sarver	Maintenance Repairer 2
Blake Wilson, Assistant Professor	Rice Entomology
Tanner LaGrange	Research Associate Specialist
Herry Utomo, Professor	Marker-Assisted Breeding/Biotechnology
Richard Zaunbrecher, Research Associate Coordinator	Foundation Seed Rice

LSU AGCENTER CAMPUS PERSONNEL

LSU AgCenter personnel conducting research at H. Rouse Caffey Rice Research Station include the following:

Name	Area
Michael Salassi, Associate Professor	Economics
Michael Deliberto, Assistant Professor Department of Agricultural Economics and Agribusiness	
Jonathan Richards, Associate Professor	Plant Pathology
Jong Hyun Ham, Associate Professor Department of Plant Pathology and Crop Physiology	Plant Pathology
Blake E. Wilson, Assistant Professor	Entomology
Michael J. Stout, Associate Professor Department of Entomology	
Christine Gambino	Extension/Research Associate
Tyler Musgrove	Research Associate
Carlos Wiggins	Research Associate
Tanner Hartley	Graduate Assistant
Muhammad Danyal Khan	Graduate Assistant
Jyoti Sharma	Graduate Assistant
Connor Webster, Assistant Professor School of Plant, Environmental, and Soil Sciences	Weed Management
Morgan Boone	Graduate Assistant
Gavin Sparks	Graduate Assistant
Ben Stoker	Graduate Assistant
Maranda Arcement	Graduate Assistant
Eve Williams	Graduate Assistant

COOPERATING PERSONNEL

Cooperating personnel on research projects at H. Rouse Caffey Rice Research Station include the following:

Name	Area
Steve A. Harrison School of Plant, Environmental, and Soil Sciences Louisiana State University Agricultural Center	Wheat and Oats
David Moseley Dean Lee Research and Extension Center Louisiana State University Agricultural Center	Soybeans
Anthony Rivera University of Puerto Rico Research & Extension Center Lajas, Puerto Rico	Rice Breeding
Prasanta K. Subudhi School of Plant, Environmental, and Soil Sciences Louisiana State University Agricultural Center	CRISP Rice
William F. Futch USDA, APHIS Wildlife Services Crowley, Louisiana	Bird Control

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July 2026

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