

Weed Science

Rice Annual Research Report

2018

Eric P. Webster, Benjamin M. McKnight, Samer Y. Rustom Jr.,
Lucas C. Webster, Matthew J. Osterholt, David C. Walker



School of Plant, Environmental, and Soil Sciences



Weed Science

Annual Research Report

2018

Louisiana State University Agricultural Center

**William B. Richardson
LSU Vice President for Agriculture**

**The LSU Agricultural Center is a statewide campus of the
LSU System and provides equal opportunities in programs
and employment.**

Research Summary: 2019-306-33485

Appendix I	Abbreviations	
	Abbreviations Used in Rice Weed Control Research	410
	Abbreviations for Common Rice Weeds of Louisiana	412
Appendix II	List of Chemicals	
	Herbicides	413
	Spray Adjuvants	416
Appendix III	Weather Data	
	2017 Weather data for Rice Research Station, Crowley, LA	417

Introduction

This report summarizes the 2018 rice weed management trials and is prepared for the use of producers, industry cooperators, colleagues at other universities, and other interested persons. The interpretation of these data may change after additional experimentation. The information presented is not an endorsement or recommendation, is intended for private use, and may not be reproduced without permission.

Many of the herbicide treatments used in these tests may not be labeled for use, or may not be recommended by the Louisiana State University AgCenter. Always refer to each herbicide label, Louisiana's Suggested Chemical Weed Control Guide, and Louisiana's Rice Production Handbook for recommendations.

Spraying methods are outlined for each individual experiment. Abbreviations, Bayer weed codes, rainfall data, and a list of all chemicals used in this research are listed in the Appendix.

Trade names were used throughout this report for clarity except where they were unavailable, in which case the herbicides are listed by experimental number. Herbicide rates are expressed as units of active ingredient (ai), acid equivalent (ae), and or product amount.

Data presented in this report are summarized and statistically analyzed with the Agriculture Research Manager by Gylling Data Management, Inc., Brookings, South Dakota.

The authors gratefully acknowledge the following for their assistance in this research:

Don R. Labonte, Director
School of Plant, Environmental, and Soil Sciences

Brent Tennison, Karen Bearb, and the staff of the H. Rouse Caffey Rice Research Station

The Louisiana Rice Research Board also funded substantial portions of the research reported in this publication.

Financial assistance to conduct portions of this research was provided by the following companies:

Adama
BASF Corporation
Bayer CropScience
Corteva Agriscience
FMC Corporation
Gowan
Helena
Nichino
RiceCo
Sipcam
Syngenta
Valent USA Corporation
Winfield Solutions

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Evaluation of Gambit in Pre-Plant Burndown Applications to Drill-Seeded Rice

Experiment number..... : **C18-01**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 08/01/18
 Uniform Standard Treatment .. : Provisia @ 15.5 oz/A on 04/10/18

Application type : PREPLANT
 Date applied [mm/dd/yy] : 03/01/18
 Time [hh:mm-hh:mm] : 09:55-10:10a
 Air/Soil temperature [F] : 76/73
 Relative humidity [%]..... : 76%
 Wind [mph, direction] : 5-8, N
 Weather [sunny, etc] : Part Cloudy
 Soil/Leaf surface moist..... : Wet/Dry
 Crop stage..... : 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..... : EPW

Weed Species (population)	:- (height/#leaves) -	
ECHCG (150-300 m ⁻²).....	0.5-2"/1-2lf	barnyardgrass
CNPPA (2-12 m ⁻²)	0.5-1"/cot-1lf	Texasweed
POAAN (100-150 m ⁻²).....	3-5"/heading	bluegrass
RUMCR (1-5 m ⁻²)	4-40"/4lf-flowering	curly dock
RANXX (5-15 m ⁻²)	4-12"/6lf-flowering	Ranunculus sp.
ALOCA (2-8 m ⁻²)	4-8"/tillering	Carolina foxtail
CYPES (5-15 m ⁻²)	1-4"/2-3lf	yellow nutsedge

Flush Dates : N/A
 Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							OVERALL Mar/16/18 CONTROL % 15 DAT 0	OVERALL Mar/23/18 CONTROL % 22 DAT 0	OVERALL Apr/3/18 CONTROL % 33 DAT 0	OVERALL Apr/10/18 CONTROL % 40 DAT 0	RICE Apr/3/18 INJURY % 33 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	Nontreated								0 c	0 c	0 e	0 c	0 -
2	Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	91 ab	95 b	83 cd	51 b	0 -
3	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	88 b	97 ab	81 d	61 ab	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
4	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	91 ab	98 a	88 b	60 ab	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.049 4	lb ai/a	1	oz/a	PREPLANT					
5	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	95 a	97 ab	90 ab	65 a	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	PREPLANT					
6	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	91 ab	98 a	90 ab	60 ab	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.099	lb ai/a	2	oz/a	PREPLANT					
7	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	93 ab	97 ab	94 a	65 a	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Sharpen	2.85	LB/GAL	0.044 5	lb ai/a	2	oz/a	PREPLANT					
8	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	93 ab	96 ab	86 bc	58 ab	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	League	75	%	0.3	lb ai/a	6.4	oz/a	PREPLANT					
9	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	91 ab	96 ab	80 d	54 b	0 -
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Valor	51	%	0.064	lb ai/a	2	oz/a	PREPLANT					
LSD P=.05							6.0	2.6	4.7	10.3	.		
Standard Deviation							4.1	1.8	3.2	7.0	0.0		
CV							5.07	2.09	4.19	13.38	0.0		
Replicate F							2.742	0.416	1.855	2.964	0.000		
Replicate Prob(F)							0.0654	0.7434	0.1643	0.0523	1.0000		
Treatment F							219.959	1294.541	328.240	33.126	0.000		
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000		

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							RICE	RUMCR	RUMCR	RUMCR	RUMCR
Rating Date							Apr/10/18	Mar/16/18	Mar/23/18	Apr/3/18	Apr/10/18
Rating Type							INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							40 DAT	15 DAT	22 DAT	33 DAT	40 DAT
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Stage	6*	7*	8*	9*	10*
1 Nontreated							0 b	0 b	0 b	0 b	0 c
2 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	82 a	89 a	93 a	95 ab
3 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	88 a	96 a	97 a	99 a
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
4 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	78 a	95 a	97 a	97 ab
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.049	lb ai/a	1 oz/a	PREPLANT					
5 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	79 a	94 a	96 a	97 ab
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.074	lb ai/a	1.5 oz/a	PREPLANT					
6 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	86 a	95 a	97 a	95 ab
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.099	lb ai/a	2 oz/a	PREPLANT					
7 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	11 a	75 a	92 a	94 a	95 ab
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Sharpen	2.85	LB/GAL	0.044	lb ai/a	2 oz/a	PREPLANT					
8 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	14 a	88 a	94 a	98 a	97 ab
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
League	75 %		0.3	lb ai/a	6.4 oz/a	PREPLANT					
9 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	14 a	81 a	90 a	97 a	92 b
Command	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Valor	51 %		0.064	lb ai/a	2 oz/a	PREPLANT					
LSD P=.05							3.6	14.5	7.7	7.1	6.1
Standard Deviation							2.5	9.9	5.2	4.8	4.2
CV							23.24	13.62	6.36	5.68	4.94
Replicate F							0.308	3.427	2.272	1.928	0.426
Replicate Prob(F)							0.8196	0.0331	0.1059	0.1521	0.7363
Treatment F							11.192	31.169	139.832	174.943	231.462
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Contact:							CYPES Mar/16/18 CONTROL % 15 DAT 0	CYPES Mar/23/18 CONTROL % 22 DAT 0	CYPES Apr/3/18 CONTROL % 33 DAT 0	CYPES Apr/10/18 CONTROL % 40 DAT 0	ECHCG Mar/16/18 CONTROL % 15 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	Nontreated								0 d	0 d	0 e	0 e	0 c
2	Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	76 bc	68 bc	9 d	0 e	97 ab
3	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	71 c	63 c	8 d	8 d	98 ab
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
4	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	83 ab	93 a	13 cd	18 c	97 b
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.049 4	lb ai/a	1	oz/a	PREPLANT					
5	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	88 a	96 a	95 a	45 b	98 a
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	PREPLANT					
6	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	83 ab	96 a	95 a	61 a	97 ab
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Gambit	79	%	0.099	lb ai/a	2	oz/a	PREPLANT					
7	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	90 a	76 b	23 b	0 e	98 a
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Sharpen	2.85	LB/GAL	0.044 5	lb ai/a	2	oz/a	PREPLANT					
8	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	85 ab	93 a	18 bc	0 e	97 ab
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	League	75	%	0.3	lb ai/a	6.4	oz/a	PREPLANT					
9	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT	76 bc	74 b	0 e	0 e	98 a
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT					
	Valor	51	%	0.064	lb ai/a	2	oz/a	PREPLANT					
LSD P=.05								10.2	9.9	5.3	3.4	1.4	
Standard Deviation								7.0	6.8	3.7	2.3	1.0	
CV								9.68	9.29	12.76	15.82	1.14	
Replicate F								1.454	2.361	0.537	2.565	1.702	
Replicate Prob(F)								0.2520	0.0965	0.6612	0.0783	0.1932	
Treatment F								62.953	79.375	434.220	396.783	4310.561	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	ECHCG Mar/23/18 CONTROL %	ECHCG Apr/3/18 CONTROL %	ECHCG Apr/10/18 CONTROL %	POAAN Mar/16/18 CONTROL %	POAAN Mar/23/18 CONTROL %
						22 DAT 0	33 DAT 0	40 DAT 0	15 DAT 0	22 DAT 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	Nontreated									
2	Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
3	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
4	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	Gambit	79	%	0.049 4	lb ai/a	1	oz/a	PREPLANT		
5	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	PREPLANT		
6	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	Gambit	79	%	0.099	lb ai/a	2	oz/a	PREPLANT		
7	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	Sharpen	2.85	LB/GAL	0.044 5	lb ai/a	2	oz/a	PREPLANT		
8	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	League	75	%	0.3	lb ai/a	6.4	oz/a	PREPLANT		
9	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a	PREPLANT		
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a	PREPLANT		
	Valor	51	%	0.064	lb ai/a	2	oz/a	PREPLANT		
LSD P=.05							0.2	5.9	4.7	1.4
Standard Deviation							0.2	4.1	3.2	1.0
CV							0.19	18.24	18.69	1.14
Replicate F							64.000	0.113	1.251	1.509
Replicate Prob(F)							0.0001	0.9518	0.3132	0.2375
Treatment F							152881.015	92.577	39.034	4294.897
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							POAAN	RANXX	RANXX	RANXX	RANXX
Rating Date							Apr/3/18	Mar/16/18	Mar/23/18	Apr/3/18	Apr/10/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							33 DAT	15 DAT	22 DAT	33 DAT	40 DAT
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage				
1 Nontreated							21*	22*	23*	24*	25*
2 Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	98 a	98 a	99 a	99 a
3 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	98 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
4 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	96 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.049	lb ai/a	1 oz/a	PREPLANT					
			4								
5 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	95 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.074	lb ai/a	1.5 oz/a	PREPLANT					
6 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	98 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Gambit	79 %		0.099	lb ai/a	2 oz/a	PREPLANT					
7 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	97 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Sharpen	2.85	LB/GAL	0.044	lb ai/a	2 oz/a	PREPLANT					
			5								
8 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	97 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
League	75 %		0.3	lb ai/a	6.4 oz/a	PREPLANT					
9 Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 a	96 a	98 a	99 a	99 a
	3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
Valor	51 %		0.064	lb ai/a	2 oz/a	PREPLANT					
LSD P=.05							.	4.0	0.3	.	.
Standard Deviation							0.0	2.7	0.2	0.0	0.0
CV							0.0	3.19	0.27	0.0	0.0
Replicate F							0.000	0.721	31.130	0.000	0.000
Replicate Prob(F)							1.0000	0.5493	0.0001	1.0000	1.0000
Treatment F							0.000	553.421	79713.530	0.000	0.000
Treatment Prob(F)							1.0000	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Contact:							ALOCA Mar/16/18 CONTROL % 15 DAT 0	ALOCA Mar/23/18 CONTROL % 22 DAT 0	ALOCA Apr/3/18 CONTROL % 33 DAT 0	CNPPA Apr/3/18 CONTROL % 33 DAT 0	CNPPA Apr/10/18 CONTROL % 40 DAT 0			
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals									
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	26*	27*	28*	29*	30*
1	Nontreated									0 c	0 b	0 b	0 -	0 e
2	Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	98 ab	98 a	99 a	0 -	0 e
3	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	98 ab	98 a	99 a	0 -	8 d
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
4	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	97 ab	98 a	99 a	0 -	16 c
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	Gambit	79	%	0.049 4	lb ai/a	1	oz/a		PREPLANT					
5	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	98 a	98 a	99 a	0 -	20 b
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a		PREPLANT					
6	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	98 ab	98 a	99 a	0 -	24 a
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	Gambit	79	%	0.099	lb ai/a	2	oz/a		PREPLANT					
7	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	98 ab	98 a	99 a	0 -	8 d
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	Sharpen	2.85	LB/GAL	0.044 5	lb ai/a	2	oz/a		PREPLANT					
8	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	97 ab	98 a	99 a	0 -	8 d
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	League	75	%	0.3	lb ai/a	6.4	oz/a		PREPLANT					
9	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22	oz/a		PREPLANT	96 b	98 a	99 a	0 -	0 e
		3	LB/GAL	0.3	lb ai/a	12.8	oz/a		PREPLANT					
	Valor	51	%	0.064	lb ai/a	2	oz/a		PREPLANT					
LSD P=.05							2.1	0.2	.	.	3.0			
Standard Deviation							1.4	0.2	0.0	0.0	2.0			
CV							1.65	0.19	0.0	0.0	22.11			
Replicate F							1.941	64.000	0.000	0.000	1.127			
Replicate Prob(F)							0.1499	0.0001	1.0000	1.0000	0.3580			
Treatment F							2068.337	152881.015	0.000	0.000	77.958			
Treatment Prob(F)							0.0001	0.0001	1.0000	1.0000	0.0001			

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice

Trial ID: C18-01 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-01 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							RICE	RICE	RICE	RICE	RICE	
Rating Date							Jul/24/18	Jul/24/18	Jul/24/18	Jul/24/18	Jul/24/18	
Rating Type							HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT	
Rating Unit							cm	cm	cm	cm	cm	
Trt-Eval Interval							145 DAT	145 DAT	145 DAT	145 DAT	145 DAT	
Number of Decimals							0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Stage	31*	32*	33*	34*	35*
1	Nontreated							103 -	106 -	109 -	106 -	106 -
2	Roundup PowerMAX	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	101 -	107 -	101 -	102 -	103 -
3	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	100 -	101 -	104 -	102 -	101 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
4	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 -	105 -	103 -	106 -	103 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	Gambit	79 %		0.0494	lb ai/a	1 oz/a	PREPLANT					
5	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	102 -	103 -	105 -	107 -	104 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	Gambit	79 %		0.074	lb ai/a	1.5 oz/a	PREPLANT					
6	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	101 -	103 -	102 -	105 -	103 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	Gambit	79 %		0.099	lb ai/a	2 oz/a	PREPLANT					
7	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	100 -	103 -	105 -	101 -	102 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2 oz/a	PREPLANT					
8	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	102 -	106 -	104 -	108 -	105 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	League	75 %		0.3	lb ai/a	6.4 oz/a	PREPLANT					
9	Roundup PowerMAX Command	4.5	LBAE/GA L	0.77	lb ae/a	22 oz/a	PREPLANT	99 -	102 -	107 -	105 -	103 -
		3	LB/GAL	0.3	lb ai/a	12.8 oz/a	PREPLANT					
	Valor	51 %		0.064	lb ai/a	2 oz/a	PREPLANT					
LSD P=.05							4.9	5.7	5.6	5.5	3.7	
Standard Deviation							3.4	3.9	3.8	3.8	2.6	
CV							3.35	3.74	3.68	3.6	2.48	
Replicate F							4.836	1.251	0.939	2.645	0.537	
Replicate Prob(F)							0.0090	0.3135	0.4371	0.0721	0.6613	
Treatment F							0.584	1.233	1.345	1.804	1.201	
Treatment Prob(F)							0.7812	0.3228	0.2697	0.1260	0.3398	

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Plant Burndown Application to Drill-Seeded Provisia Rice									
Trial ID: C18-01		Location: RRS-Crowley, LA		Trial Year: 2018					
Protocol ID: C18-01		Investigator: Eric P. Webster							
Project ID:		Study Director:							
		Sponsor Contact:							
Pest Code							RICE	RICE	RICE
Rating Date							Aug/1/18	Aug/1/18	Aug/1/18
Rating Type							MOISTURE	YIELD	YIELD
Rating Unit							%	g/plot	LB/A
Trt-Eval Interval							153 DAT	153 DAT	153 DAT
Number of Decimals							1	0	0
Trt Treatment	Form Form	Rate	Other	Other	Growth				
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage		36*	37*	38*
1 Nontreated							15.2 -	1036 cd	3197 cd
2 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	926 d	2857 d
3 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	702 e	2166 e
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
4 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	1203 bc	3714 bc
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
Gambit	79 %	0.049 lb ai/a	1 oz/a		PREPLANT				
5 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	1562 a	4822 a
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
Gambit	79 %	0.074 lb ai/a	1.5 oz/a		PREPLANT				
6 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	1134 bc	3500 bc
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
Gambit	79 %	0.099 lb ai/a	2 oz/a		PREPLANT				
7 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	549 e	1694 e
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
Sharpen	2.85 LB/GAL	0.044 lb ai/a	2 oz/a		PREPLANT				
8 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	1107 bcd	3418 bcd
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
League	75 %	0.3 lb ai/a	6.4 oz/a		PREPLANT				
9 Roundup PowerMAX	4.5 LBAE/GAL	0.77 lb ae/a	22 oz/a		PREPLANT		15.2 -	1274 b	3934 b
Command	3 LB/GAL	0.3 lb ai/a	12.8 oz/a		PREPLANT				
Valor	51 %	0.064 lb ai/a	2 oz/a		PREPLANT				
LSD P=.05								193.8	598.4
Standard Deviation							0.00	132.8	410.0
CV							0.0	12.59	12.59
Replicate F							0.000	0.665	0.665
Replicate Prob(F)							1.0000	0.5817	0.5817
Treatment F							0.000	20.807	20.807
Treatment Prob(F)							1.0000	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Applied at Different Timings on Antagonized Weeds

Experiment number.....	C18-02			
Location.....	RRS-Crowley, LA			
Experimental design.....	RCB			
Number of reps	4			
Plot size.....	5'x17'			
Row width/# per plot.....	7.5"/8			
Soil type.....	Crowley silt loam (3% sand, 69% silt, 28% clay)			
% OM	1.4			
pH.....	6.4			
CEC.....	19.1			
Crop/Variety	PVL01			
Planting date	3/22/18			
Emergence date.....	4/1/18			
Harvest date.....	07/30/18			
Uniform Standard Treatment ..	Permit @ 1oz/A on 5/16/18			
Application type	3-4 LEAF	1WA 3-4LF	2WA 3-4LF	3WA 3-4LF
Date applied [mm/dd/yy]	4/26/18	5/3/18	5/10/18	5/17/18
Time [hh:mm-hh:mm]	11:15-11:30a	8:40-8:50a	8:35-8:40a	8:10-8:20a
Air/Soil temperature [F]	70/65	73/69	74/70	75/70
Relative humidity [%].....	59%	92%	86%	79%
Wind [mph, direction]	8-10, NNW	4-7, SE	2-3, S	6-7, W
Weather [sunny, etc]	sunny	pt. cloudy	sunny	sunny
Soil/Leaf surface moist.....	dry/dry	dry/dry	flood/dry	flood/dry
Crop stage.....	3-4lf	4-5lf	5lf-1 til	2-3 til
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/21	15/21	15/21	15/21
Applied by.....	EPW	MJO	LCW	LCW
Weed Species (population)	----- (height/#leaves) -----			
ECHCG (50-150m ⁻²).....	1-4"/1-3lf	4-6"/3-6lf	7-8"/4-6lf	10-15"/1-2 til
CNPPA (5-20m ⁻²)	1-3"/cot-2lf	2-4"/2-3lf	3-4"/3-4lf	8-10"/5-6lf
COMDI (1-10m ⁻²).....	1-2"/1-2lf	2-3"/3-4lf	3-4"/3-5lf	4-6"/3-6lf
SEBEX (5-10m ⁻²).....		3-4"/1-3lf	5-6"/2-3lf	15-18"/7-8lf
AESIN (5-10m ⁻²).....		3-4"/1-3lf	5-6"/2-3lf	15-18"/7-8lf

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Applied at Different Timings on Antagonized Weeds

Experiment number..... : **C18-02**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 3/22/18
Emergence date : 4/1/18
Harvest date : 07/30/18
Uniform Standard Treatment .. : Permit @ 1oz/A on 5/16/18

Application type : 4 WA 3-4 LEAF
Date applied [mm/dd/yy] : 5/24/18
Time [hh:mm-hh:mm] : 9:00-9:40a
Air/Soil temperature [F] : 72/65
Relative humidity [%]..... : 84%
Wind [mph, direction] : 2-3, ESE
Weather [sunny, etc] : cloudy
Soil/Leaf surface moist..... : flood
Crop stage..... : 4-5 til
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
ECHCG (50-150m⁻²)..... : 24-30"/8-10lf
CNPPA (5-20m⁻²) : 10-12"/5-6lf
COMDI (1-10m⁻²)..... : 5-7"/5-8lf
SEBEX (5-10m⁻²)..... : 16-20"/8-10lf
AESIN (5-10m⁻²)..... : 16-20"/8-10lf

Flush Dates : N/A
Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-02 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE May/15/18 INJURY %	RICE May/28/18 INJURY %	RICE Jun/8/18 INJURY %	RICE Jun/25/18 INJURY %
						19 DA 3-4LF 0	32 DA 3-4LF 0	43 DA 3-4LF 0	60 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF	
3	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF	
4	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF	
5	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF	
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	No Second Application								
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF	
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF	
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF	

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						.	.	.	.
Standard Deviation						0.0	0.0	0.0	0.0
CV						0.0	0.0	0.0	0.0
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000
Treatment F						0.000	0.000	0.000	0.000
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000

LSU AgCenter SPEATS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02	Location: RRS-Crowley, LA	Trial Year: 2018
Protocol ID: C18-02	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG May/15/18 CONTROL % 19 DA 3-4LF 0	ECHCG May/28/18 CONTROL % 32 DA 3-4LF 0	ECHCG Jun/8/18 CONTROL % 43 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 60 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	5*	6*	7*	8*
1	No EPOST Application No Second Application								0 d	0 f	0 g	0 e
2	No EPOST Application Provisia Agri-Dex	0.88 100	LB/GA L %	0.10 7	lb ai/a % v/v	15.5 19.2	oz/a fl oz/a	1 WA 3-4 LF 1 WA 3-4 LF	99 a	98 a	88 bc	88 b
3	No EPOST Application Provisia Agri-Dex	0.88 100	LB/GA L %	0.10 7	lb ai/a % v/v	15.5 19.2	oz/a fl oz/a	2 WA 3-4 LF 2 WA 3-4 LF	97 a	98 a	97 a	96 a
4	No EPOST Application Provisia Agri-Dex	0.88 100	LB/GA L %	0.10 7	lb ai/a % v/v	15.5 19.2	oz/a fl oz/a	3 WA 3-4 LF 3 WA 3-4 LF		94 a	87 c	94 ab
5	No EPOST Application Provisia Agri-Dex	0.88 100	LB/GA L %	0.10 7	lb ai/a % v/v	15.5 19.2	oz/a fl oz/a	4 WA 3-4 LF 4 WA 3-4 LF		8 e	78 d	89 b
6	Provisia Agri-Dex No Second Application	0.88 100	LB/GA L %	0.10 7	lb ai/a % v/v	15.5 19.2	oz/a fl oz/a	3-4 LEAF 3-4 LEAF	98 a	86 b	51 e	48 c
7	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 0.88 100	LB/GA L LB/GA L	0.10 7 0.10 7	lb ai/a % v/v lb ai/a	15.5 19.2 15.5 19.2	oz/a fl oz/a oz/a fl oz/a	3-4 LEAF 3-4 LEAF 1 WA 3-4 LF 1 WA 3-4 LF	98 a	98 a	98 a	97 a
8	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 0.88 100	LB/GA L LB/GA L	0.10 7 0.10 7	lb ai/a % v/v lb ai/a	15.5 19.2 15.5 19.2	oz/a fl oz/a oz/a fl oz/a	3-4 LEAF 3-4 LEAF 2 WA 3-4 LF 2 WA 3-4 LF	98 a	98 a	98 a	98 a
9	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 0.88 100	LB/GA L LB/GA L	0.10 7 0.10 7	lb ai/a % v/v lb ai/a	15.5 19.2 15.5 19.2	oz/a fl oz/a oz/a fl oz/a	3-4 LEAF 3-4 LEAF 3 WA 3-4 LF 3 WA 3-4 LF	97 a	99 a	98 a	98 a

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	97 a	97 a	98 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	50 b	43 d	19 f	20 d
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	99 a	96 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	98 a	97 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	54 b	99 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	43 c	69 c	94 ab	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						5.9	6.3	6.7	6.5
Standard Deviation						4.1	4.4	4.7	4.5
CV						5.18	5.62	5.87	5.59
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.407	0.208	1.643	0.292
Replicate Prob(F)						0.7488	0.8903	0.1939	0.8306
Treatment F						243.887	237.829	179.121	196.545
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02	Location: RRS-Crowley, LA	Trial Year: 2018
Protocol ID: C18-02	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							AESIN May/15/18 CONTROL % 19 DA 3-4LF 0	AESIN May/28/18 CONTROL % 32 DA 3-4LF 0	AESIN Jun/8/18 CONTROL % 43 DA 3-4LF 0	AESIN Jun/25/18 CONTROL % 60 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	9*	10*	11*	12*
1	No EPOST Application No Second Application								0 c	0 b	90 cd	97 -
2	No EPOST Application								0 c	0 b	91 bc	99 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								0 c	0 b	92 b	97 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									0 b	89 d	98 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application									0 b	90 bcd	98 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 b	92 b	99 -
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 b	91 bcd	97 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 b	91 bcd	98 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 b	91 bcd	98 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	90 bcd	98 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	98 a	97 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 b	99 a	99 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	98 a	97 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	99 a	97 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						1.7	1.0	1.7	1.9
Standard Deviation						1.2	0.7	1.2	1.3
CV						3.23	2.16	1.31	1.34
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.671	0.402	0.610	0.896
Replicate Prob(F)						0.5751	0.7523	0.6125	0.4514
Treatment F						6664.660	18418.724	35.772	0.844
Treatment Prob(F)						0.0001	0.0001	0.0001	0.6200

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-02 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	COMDI May/15/18 CONTROL % 19 DA 3-4LF 0	COMDI May/28/18 CONTROL % 32 DA 3-4LF 0	COMDI Jun/8/18 CONTROL % 43 DA 3-4LF 0	COMDI Jun/25/18 CONTROL % 60 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	1 WA 3-4 LF 1 WA 3-4 LF		
3	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	2 WA 3-4 LF 2 WA 3-4 LF		
4	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	3 WA 3-4 LF 3 WA 3-4 LF		
5	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	4 WA 3-4 LF 4 WA 3-4 LF		
6	Provisia Agri-Dex No Second Application	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF		
7	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 1 WA 3-4 LF 1 WA 3-4 LF		
8	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 2 WA 3-4 LF 2 WA 3-4 LF		
9	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 3 WA 3-4 LF 3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	96 b	99 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 b	99 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	92 ab	98 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 a	98 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	94 ab	98 a	98 a	97 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 a	98 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						5.2	1.0	2.0	2.5
Standard Deviation						3.6	0.7	1.4	1.8
CV						10.05	2.2	1.5	1.83
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						2.404	1.669	0.971	0.798
Replicate Prob(F)						0.0834	0.1881	0.4155	0.5022
Treatment F						687.174	17748.934	7.897	0.526
Treatment Prob(F)						0.0001	0.0001	0.0001	0.9035

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-02 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CNPPA May/15/18 CONTROL % 19 DA 3-4LF 0	CNPPA May/28/18 CONTROL % 32 DA 3-4LF 0	CNPPA Jun/8/18 CONTROL % 43 DA 3-4LF 0	CNPPA Jun/25/18 CONTROL % 60 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	1 WA 3-4 LF 1 WA 3-4 LF		
3	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	2 WA 3-4 LF 2 WA 3-4 LF		
4	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	3 WA 3-4 LF 3 WA 3-4 LF		
5	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	4 WA 3-4 LF 4 WA 3-4 LF		
6	Provisia Agri-Dex No Second Application	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF		
7	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 1 WA 3-4 LF 1 WA 3-4 LF		
8	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 2 WA 3-4 LF 2 WA 3-4 LF		
9	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a	3-4 LEAF 3-4 LEAF 3 WA 3-4 LF 3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 d	91 b	98 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	95 a	99 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 b	96 c	97 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	92 ab	98 abc	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 ab	97 bc	97 a	99 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	92 ab	98 ab	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						4.2	1.7	1.9	3.1
Standard Deviation						3.0	1.2	1.4	2.2
CV						8.32	3.63	1.47	2.24
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						1.517	0.337	1.536	1.202
Replicate Prob(F)						0.2267	0.7984	0.2193	0.3207
Treatment F						1001.711	6518.687	25.459	0.950
Treatment Prob(F)						0.0001	0.0001	0.0001	0.5169

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02	Location: RRS-Crowley, LA	Trial Year: 2018
Protocol ID: C18-02	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								SEBEX May/15/18 CONTROL % 19 DA 3-4LF 0	SEBEX May/28/18 CONTROL % 32 DA 3-4LF 0	SEBEX Jun/8/18 CONTROL % 43 DA 3-4LF 0	SEBEX Jun/25/18 CONTROL % 60 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	21*	22*	23*	24*
1	No EPOST Application No Second Application								0 c	0 c	91 bcd	97
2	No EPOST Application								0 c	0 c	92 bc	98 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								0 c	0 c	93 b	98 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									0 c	89 d	97 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application									0 c	90 cd	98 -
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 c	92 bc	98 -
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 c	91 bcd	98 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 c	91 bc	98 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 c	0 c	90 cd	98 -
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 c	92 bc	98 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 b	99 a	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	98 a	97 a	97 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	99 a	97 a	97 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	97 b	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 ab	98 a	98 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						1.1	0.8	2.1	1.9
Standard Deviation						0.7	0.5	1.5	1.3
CV						1.97	1.62	1.58	1.36
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						1.427	1.972	1.713	3.579
Replicate Prob(F)						0.2507	0.1328	0.1789	0.0216
Treatment F						17888.630	32531.606	19.514	0.619
Treatment Prob(F)						0.0001	0.0001	0.0001	0.8336

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02	Location: RRS-Crowley, LA	Trial Year: 2018
Protocol ID: C18-02	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 HEIGHT cm 90 DA 3-4LF 0	RICE Jul/25/18 HEIGHT cm 90 DA 3-4LF 0	RICE Jul/25/18 HEIGHT cm 90 DA 3-4LF 0	RICE Jul/25/18 HEIGHT cm 90 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	25*	26*	27*	28*
1	No EPOST Application No Second Application								71 d	65 d	67 d	51 c
2	No EPOST Application								100 ab	102 a	103 a	103 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								103 ab	100 a	100 ab	102 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application								88 c	90 b	87 c	91 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application								78 d	75 c	71 d	72 b
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	99 ab	101 a	102 a	100 a
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	100 ab	102 a	101 a	99 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	100 ab	102 a	105 a	100 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	104 a	103 a	103 a	104 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	103 ab	102 a	101 a	103 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 bc	98 a	95 b	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	100 a	101 a	101 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 ab	97 ab	100 ab	102 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	101 ab	100 a	99 ab	101 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 ab	99 a	100 ab	101 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						8.1	7.7	5.9	14.6
Standard Deviation						5.7	5.4	4.1	10.3
CV						5.92	5.64	4.31	10.78
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						4.430	2.112	2.852	0.411
Replicate Prob(F)						0.0086	0.1131	0.0486	0.7459
Treatment F						11.641	16.646	31.130	8.144
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPEATS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)

Trial ID: C18-02 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-02 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jul/25/18 AVG HEIGHT cm 90 DA 3-4LF 0	RICE Jul/30/18 MOISTURE % 95 DA 3-4LF 1	RICE Jul/30/18 YIELD g 95 DA 3-4LF 0	RICE Jul/30/18 YIELD lb/a 95 DA 3-4LF 0
Trt Treatment	Form Form	Rate	Other Other	Growth					
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage		29*	30*	31*	32*
1 No EPOST Application No Second Application						63 e	17.1 a	0 e	0 e
2 No EPOST Application						102 ab	17.1	1250 c	3782 c
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF					
3 No EPOST Application						101 ab	17.1	1573 ab	4760 ab
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF					
4 No EPOST Application						89 c	17.1	1186 c	3588 c
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF					
5 No EPOST Application						74 d	17.1	428 d	1294 d
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	4 WA 3-4 LF					
6 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		100 ab	17.1	1571 ab	4752 ab
Agri-Dex No Second Application	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF					
7 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		101 ab	17.1	1157 c	3501 c
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF					
8 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		102 ab	17.1	1339 abc	4050 abc
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF					
9 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		104 a	17.1	1263 bc	3822 bc
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF					
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF					

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 ab	17.1	1644 a	4973 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 b	17.1	1163 c	3520 c
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	17.1	1419 abc	4293 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	17.1	1418 abc	4290 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	17.1	1342 abc	4060 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	17.1	1472 abc	4452 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						6.5	.	317.7	961.3
Standard Deviation						4.5	0.00	222.6	673.6
CV						4.75	0.0	18.33	18.33
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						2.889	0.000	1.200	1.200
Replicate Prob(F)						0.0466	1.0000	0.3215	0.3215
Treatment F						26.082	0.000	15.704	15.704
Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Conv.)					
Trial ID: C18-02	Location: RRS-Crowley, LA	Trial Year: 2018			
Protocol ID: C18-02	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code						RICE
Rating Date						Jul/30/18
Rating Type						YIELD
Rating Unit						kg/ha
Trt-Eval Interval						95 DA 3-4LF
Number of Decimals						0
Trt Treatment	Form Form	Rate	Other Other	Growth		
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage	33*	
1 No EPOST Application No Second Application						0 e
2 No EPOST Application						4239 c
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF		
3 No EPOST Application						5335 ab
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF		
4 No EPOST Application						4021 c
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF		
5 No EPOST Application						1451 d
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	4 WA 3-4 LF		
6 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5326 ab	
Agri-Dex No Second Application	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF		
7 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	3925 c	
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF		
8 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4539 abc	
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF		
9 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4284 bc	
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF		
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5574 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF	
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	3945 c
Propanil No Second Application	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4811 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF	
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4808 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF	
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4550 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF	
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4990 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF	
LSD P=.05						1077.5
Standard Deviation						755.0
CV						18.33
Analyzed as						RCB
Replicate F						1.200
Replicate Prob(F)						0.3215
Treatment F						15.704
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Grasp with Different Surfactants

Experiment number..... : **C18-03**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/23/18
 Harvest date : 08/13/18
 Uniform standard treatment..... : Provisia @ 15.5 oz/A on 06/19/18

Application type : 3-4 LF
 Date applied [mm/dd/yy] : 5/14/18
 Time [hh:mm-hh:mm] : 11:35-11:58a
 Air/Soil temperature [F] : 80/70
 Relative humidity [%]..... : 53%
 Wind [mph, direction] : 3-6, NNW
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist..... : dry/dry
 Crop stage..... : 3-4lf
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
 ECHCG (100-200m⁻²)..... : 4-6"/3-5lf
 CL111 (20-30m⁻²)..... : 6-8"/3-4lf
 CLXL745 (20-30m⁻²)..... : 6-8"/3-4lf
 ORYZA (20-30m⁻²) : 6-8"/3-4lf
 SEBEX(1-5m⁻²)..... : 1-2"/cot-2lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood..... : 5/22/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/28/18 INJURY % 14 DA 3-4LF 0	RICE Jun/8/18 INJURY % 25 DA 3-4LF 0	RICE Jun/25/18 INJURY % 42 DA 3-4LF 0	RICE Jul/9/18 INJURY % 56 DA 3-4LF 0	ECHCG May/28/18 CONTROL % 14 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	No Herbicide No Surfactant								0 -	0 -	0 -	0 -	0 f
2	No Herbicide Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 f
3	No Herbicide MSO	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 f
4	No Herbicide Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 f
5	Provisia No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	94 a
6	Provisia Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	97 a
7	Provisia MSO	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	98 a
8	Provisia Dash	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	99 a
9	Grasp No Surfactant	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	31 e
10	Grasp Agri-Dex	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	60 c
11	Grasp MSO	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	58 cd
12	Grasp Dash	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	59 c
13	Provisia Grasp No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	74 b
14	Provisia Grasp Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	76 b

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	54 cd
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	50 d
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						.	.	.	.	7.6
Standard Deviation						0.0	0.0	0.0	0.0	5.4
CV						0.0	0.0	0.0	0.0	10.09
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000	2.959
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0423
Treatment F						0.000	0.000	0.000	0.000	190.843
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG Jun/8/18 CONTROL % 25 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 42 DA 3-4LF 0	ECHCG Jul/9/18 CONTROL % 56 DA 3-4LF 0	CL111 May/28/18 CONTROL % 14 DA 3-4LF 0	CL111 Jun/8/18 CONTROL % 25 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1	No Herbicide No Surfactant								0 g	66 e	97 ab	0 e	0 d
2	No Herbicide Agri-Dex	100 %		1 % v/v		1.2 pt/a		3-4 LEAF	0 g	64 e	97 ab	0 e	0 d
3	No Herbicide MSO	100 %		1 % v/v		1.2 pt/a		3-4 LEAF	0 g	65 e	95 ab	0 e	0 d
4	No Herbicide Dash	100 %		1 % v/v		1.2 pt/a		3-4 LEAF	0 g	66 e	98 a	0 e	0 d
5	Provisia No Surfactant	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	91 ab	98 a	99 a	94 b	94 a
6	Provisia Agri-Dex	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	99 a	99 a	99 a	98 a
7	Provisia MSO	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	98 a	98 ab	98 a	97 a
8	Provisia Dash	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	98 a	98 ab	98 a	98 a
9	Grasp No Surfactant	2	LB/GA L	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF	24 f	63 e	94 ab	0 e	0 d
10	Grasp Agri-Dex	2	LB/GA L	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF	48 de	65 e	96 ab	0 e	0 d
11	Grasp MSO	2	LB/GA L	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF	46 de	63 e	95 ab	0 e	0 d
12	Grasp Dash	2	LB/GA L	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF	50 d	63 e	96 ab	0 e	0 d
13	Provisia Grasp No Surfactant	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	80 c	93 b	93 bc	90 c	88 b
14	Provisia Grasp Agri-Dex	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	83 bc	86 c	94 ab	90 c	87 b

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	40 e	71 d	84 d	86 d	70 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	43 de	73 d	88 cd	83 d	70 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						8.7	4.8	5.2	3.2	4.9
Standard Deviation						6.1	3.3	3.6	2.3	3.4
CV						12.19	4.36	3.85	4.91	7.79
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.854	9.832	0.727	0.748	1.280
Replicate Prob(F)						0.4720	0.0001	0.5411	0.5290	0.2928
Treatment F						154.781	83.072	4.679	1779.355	725.474
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CL111	CL111	CLXL745	CLXL745	CLXL745
Rating Date	Jun/25/18	Jul/9/18	May/28/18	Jun/8/18	Jun/25/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	42 DA 3-4LF	56 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	11*	12*	13*	14*	15*
1 No Herbicide No Surfactant	63 d	95 -	0 f	0 f	63 d
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	66 d	98 -	0 f	0 f	63 d
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	64 d	98 -	0 f	0 f	65 d
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	62 d	99 -	0 f	0 f	64 d
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	99 a	98 -	93 b	91 b	99 a
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	97 -	97 a	98 a	99 a
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 -	97 a	99 a	98 a
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 -	98 a	98 a	98 a
9 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	63 d	99 -	0 f	0 f	63 d
10 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	65 d	98 -	0 f	0 f	65 d
11 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 d	98 -	0 f	0 f	63 d
12 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 d	98 -	0 f	0 f	63 d
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	97 a	98 -	90 bc	85 c	96 ab
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	91 b	98 -	89 cd	84 c	91 b

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	79 c	99 -	86 de	59 e	76 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	83 c	98 -	83 e	66 d	81 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						5.1	1.7	3.4	4.9	5.1
Standard Deviation						3.6	1.2	2.4	3.4	3.6
CV						4.61	1.22	5.27	8.12	4.58
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						9.225	1.958	1.404	1.103	8.709
Replicate Prob(F)						0.0001	0.1339	0.2539	0.3578	0.0001
Treatment F						80.634	1.834	1545.401	683.129	80.559
Treatment Prob(F)						0.0001	0.0592	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CLXL745	ORYZA	ORYZA	ORYZA	ORYZA
Rating Date	Jul/9/18	May/28/18	Jun/8/18	Jun/25/18	Jul/9/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	56 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	16*	17*	18*	19*	20*
1 No Herbicide No Surfactant	94 d	0 f	0 e	63 d	98 -
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	0 f	0 e	62 d	98 -
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	0 f	0 e	62 d	98 -
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 bc	0 f	0 e	64 d	97 -
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	97 bc	93 bc	95 ab	98 a	97 -
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	97 ab	98 ab	98 a	98 -
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 c	97 a	98 a	98 a	98 -
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	98 a	98 a	98 a	98 -
9 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	97 c	0 f	0 e	63 d	97 -
10 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	0 f	0 e	65 d	97 -
11 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 bc	0 f	0 e	63 d	98 -
12 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	0 f	0 e	63 d	98 -
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	98 abc	88 cd	94 bc	99 a	98 -
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	90 c	90 c	98 a	98 -

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	84 d	81 d	84 c	99 -
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 abc	79 e	79 d	91 b	98 -
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						1.7	4.3	3.8	6.1	2.1
Standard Deviation						1.2	3.0	2.7	4.3	1.5
CV						1.24	6.69	5.89	5.4	1.49
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.924	1.414	3.421	5.776	1.800
Replicate Prob(F)						0.4370	0.2510	0.0250	0.0020	0.1607
Treatment F						3.024	963.783	1243.400	64.746	0.561
Treatment Prob(F)						0.0021	0.0001	0.0001	0.0001	0.8888

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	RICE
Rating Date	May/28/18	Jun/8/18	Jun/25/18	Jul/9/18	Aug/10/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS
Rating Unit	%	%	%	%	cm
Trt-Eval Interval	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF	88 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	21*	22*	23*	24*	25*
1 No Herbicide No Surfactant	0 e	0 c	0 e	0 d	78 fg
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	77 g
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	77 g
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	80 efg
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	0 e	0 c	0 e	0 d	101 a
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	100 a
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	97 ab
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 c	0 e	0 d	100 a
9 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	97 ab	97 a	94 abc	80 b	85 def
10 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	92 b	98 a	99 a	99 a	86 cde
11 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	98 a	98 ab	98 a	87 cde
12 Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	98 a	99 a	99 a	88 cd
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF No Surfactant	68 d	88 b	70 d	53 c	101 a
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Grasp 2 LB/GA L 0.03 lb 6 ai/a 2.3 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	65 d	90 b	89 c	85 b	103 a

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	78 c	88 b	93 bc	96 a	93 bc
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	63 d	89 b	97 ab	97 a	100 a
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						5.3	3.2	5.5	7.1	6.9
Standard Deviation						3.7	2.2	3.9	5.0	4.8
CV						9.01	4.8	8.4	11.29	5.31
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.359	0.512	1.424	1.728	0.502
Replicate Prob(F)						0.7828	0.6758	0.2483	0.1747	0.6830
Treatment F						559.974	1863.459	615.792	353.878	16.241
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: C18-03 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 AVG HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/13/18 MOISTURE % 91 DA 3-4LF 1
Trt Treatment	Form Form	Rate	Other	Other	Growth					
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage	26*	27*	28*	29*	30*
1 No Herbicide No Surfactant						85 c	77 fg	73 g	78 ef	14.4 -
2 No Herbicide Agri-Dex	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	72 e	71 g	76 fg	74 f	14.4 -
3 No Herbicide MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	76 de	80 def	76 fg	77 ef	14.4 -
4 No Herbicide Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	77 de	78 ef	81 ef	79 de	14.4 -
5 Provisia No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	101 ab	104 a	101 a	102 a	14.4 -
6 Provisia Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	101 a	100 a	100 a	14.4 -
7 Provisia MSO	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 a	102 a	102 a	101 a	14.4 -
8 Provisia Dash	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	101 a	101 a	101 a	14.4 -
9 Grasp No Surfactant	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF	81 cd	87 c	83 de	84 cd	14.4 -
10 Grasp Agri-Dex	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF	86 c	85 cde	84 de	85 c	14.4 -
11 Grasp MSO	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF	86 c	82 c-f	84 de	85 c	14.4 -
12 Grasp Dash	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF	86 c	85 cd	89 cd	87 c	14.4 -
13 Provisia Grasp No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	102 a	99 ab	100 a	14.4 -
14 Provisia Grasp Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	103 a	102 a	102 a	14.4 -

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	95 b	93 b	93 bc	93 b	14.4 -
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	100 a	97 ab	99 a	14.4 -
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						6.5	6.3	6.9	4.9	.
Standard Deviation						4.6	4.4	4.8	3.4	0.00
CV						5.05	4.91	5.37	3.8	0.0
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						2.685	3.085	4.735	3.418	0.000
Replicate Prob(F)						0.0578	0.0366	0.0059	0.0251	1.0000
Treatment F						20.716	25.744	19.249	36.292	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants			
Trial ID: C18-03	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-03	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code							RICE	RICE	RICE
Rating Date							Aug/13/18	Aug/13/18	Aug/13/18
Rating Type							YIELD	YIELD	YIELD
Rating Unit							g	lb/a	kg/ha
Trt-Eval Interval							91 DA 3-4LF	91 DA 3-4LF	91 DA 3-4LF
Number of Decimals							0	0	0
Trt Treatment	Form Form		Rate	Other Other	Growth				
No. Name	Conc Unit		Rate Unit	Rate Rate Unit	Stage		31*	32*	33*
1 No Herbicide No Surfactant							206 e	641 e	719 e
2 No Herbicide Agri-Dex	100 %		1 % v/v	1.2 pt/a	3-4 LEAF		0 e	0 e	0 e
3 No Herbicide MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF		0 e	0 e	0 e
4 No Herbicide Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF		193 e	601 e	674 e
5 Provisia No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		1202 ab	3743 ab	4195 ab
6 Provisia Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		1319 a	4106 a	4602 a
7 Provisia MSO	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		1328 a	4136 a	4636 a
8 Provisia Dash	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		591 d	1839 d	2061 d
9 Grasp No Surfactant	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF		20 e	62 e	70 e
10 Grasp Agri-Dex	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF		219 e	682 e	764 e
11 Grasp MSO	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF		591 d	1840 d	2063 d
12 Grasp Dash	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF		952 bc	2963 bc	3321 bc
13 Provisia Grasp No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		864 c	2691 c	3016 c
	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF				
14 Provisia Grasp Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF		1209 ab	3764 ab	4219 ab
	2 LB/GA L		0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF				
	100 %		1 % v/v	1.2 pt/a	3-4 LEAF				

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	991 bc	3086 bc	3459 bc
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF			
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF			
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	992 bc	3090 bc	3463 bc
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF			
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF			
LSD P=.05						257.6	802.1	899.0
Standard Deviation						180.9	563.2	631.3
CV						27.11	27.11	27.11
Analyzed as						RCB	RCB	RCB
Replicate F						3.670	3.670	3.670
Replicate Prob(F)						0.0189	0.0189	0.0189
Treatment F						30.404	30.404	30.404
Treatment Prob(F)						0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Permit with Different Surfactants

Experiment number..... : **C18-04**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/26/18
 Harvest date : 8/13/18
 Uniform Standard Treatment..... : Provisia @ 15.5 oz/A on 6/19/18

Application type : 3-4 LF
 Date applied [mm/dd/yy] : 5/14/18
 Time [hh:mm-hh:mm] : 10:40-11:00a
 Air/Soil temperature [F] : 78/70
 Relative humidity [%]..... : 63%
 Wind [mph, direction] : 2-5 NNW
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist..... : dry/dry
 Crop stage..... : 3/4lf
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
 ECHCG (100-200m⁻²)..... : 4-6"/3-5lf
 CL111 (20-30m⁻²)..... : 6-8"/3-4lf
 CLXL745 (20-30m⁻²)..... : 6-8"/3-4lf
 ORYZA (20-30m⁻²) : 6-8"/3-4lf
 SEBEX(1-5m⁻²)..... : 1-3"/cot-2lf
 CYPES (1-10m⁻²) : 4-6"/3-6lf
 CYPPIR (20-30m⁻²)..... : 1-2"/1-2lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood..... : 5/23/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							RICE	RICE	RICE	RICE	ECHCG		
Rating Date							May/28/18	Jun/8/18	Jun/25/18	Jul/10/18	May/28/18		
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL		
Rating Unit							%	%	%	%	%		
Trt-Eval Interval							14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	57 DA 3-4LF	14 DA 3-4LF		
Number of Decimals							0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	No Herbicide								0 -	0 -	0 -	0 -	0 e
	No Surfactant												
2	No Herbicide								0 -	0 -	0 -	0 -	0 e
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
3	No Herbicide								0 -	0 -	0 -	0 -	0 e
	MSO	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
4	No Herbicide								0 -	0 -	0 -	0 -	0 e
	Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
5	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	84 c
	No Surfactant												
6	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	98 a
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
7	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	98 a
	MSO	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
8	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	96 a
	Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
9	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e
	No Surfactant												
10	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
11	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e
	MSO	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
12	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e
	Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					
13	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	63 d
	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF					
	No Surfactant												
14	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	86 c
	Permit	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF					

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	86 c
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	91 b
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						.	.	.	.	4.0
Standard Deviation						0.0	0.0	0.0	0.0	2.8
CV						0.0	0.0	0.0	0.0	6.39
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000	0.188
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.9042
Treatment F						0.000	0.000	0.000	0.000	1076.003
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							ECHCG	ECHCG	ECHCG	CL111	CL111		
Rating Date							Jun/8/18	Jun/25/18	Jul/10/18	May/28/18	Jun/8/18		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%		
Trt-Eval Interval							25 DA 3-4LF	42 DA 3-4LF	57 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF		
Number of Decimals							0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	6*	7*	8*	9*	10*
1	No Herbicide								0 f	67 c	96 abc	0 f	0 e
	No Surfactant												
2	No Herbicide								0 f	65 c	95 bcd	0 f	0 e
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
3	No Herbicide								0 f	61 d	97 abc	0 f	0 e
	MSO	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
4	No Herbicide								0 f	61 d	97 abc	0 f	0 e
	Dash	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
5	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	92 bc	97 a	98 ab	83 d	94 b
	No Surfactant												
6	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	98 a	98 a	98 a	97 a	99 a
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
7	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	98 a	98 a	98 a	97 a	98 a
	MSO	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
8	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	98 a	97 a	98 a	95 ab	97 a
	Dash	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
9	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 f	61 d	93 d	0 f	0 e
	No Surfactant												
10	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 f	62 d	95 cd	0 f	0 e
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
11	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 f	62 d	95 cd	0 f	0 e
	MSO	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
12	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF	0 f	61 d	98 a	0 f	0 e
	Dash	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					
13	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	74 e	88 b	99 a	68 e	75 d
	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF					
	No Surfactant												
14	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	88 cd	97 a	98 a	91 c	92 b
	Permit	75	%	0.04	lb 7 ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF					

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	94 b	96 a	99 a	90 c	94 b
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	88 d	99 a	98 a	91 bc	88 c
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						3.6	2.9	2.4	3.8	2.5
Standard Deviation						2.5	2.0	1.7	2.7	1.8
CV						5.57	2.58	1.77	6.05	3.85
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.896	0.481	0.610	0.533	1.589
Replicate Prob(F)						0.4505	0.6974	0.6119	0.6617	0.2051
Treatment F						1393.482	298.083	3.463	1190.204	2917.796
Treatment Prob(F)						0.0001	0.0001	0.0006	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CL111	CL111	CLXL745	CLXL745	CLXL745
Rating Date	Jun/25/18	Jul/10/18	May/28/18	Jun/8/18	Jun/25/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	42 DA 3-4LF	57 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	11*	12*	13*	14*	15*
1 No Herbicide No Surfactant	63 c	96 -	0 e	0 f	68 c
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 c	98 -	0 e	0 f	62 d
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 c	97 -	0 e	0 f	61 d
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	62 c	98 -	0 e	0 f	61 d
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	99 a	98 -	83 c	93 b	97 a
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 -	97 a	98 a	99 a
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 -	97 a	97 a	98 a
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 ab	99 -	97 a	98 a	99 a
9 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	62 c	97 -	0 e	0 f	62 d
10 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	62 c	98 -	0 e	0 f	62 d
11 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	62 c	97 -	0 e	0 f	62 d
12 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	61 c	97 -	0 e	0 f	61 d
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	95 b	97 -	69 d	73 e	93 b
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	99 -	88 b	89 c	98 a

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 -	90 b	91 bc	98 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 -	92 b	86 d	97 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						3.2	2.0	3.9	3.1	2.5
Standard Deviation						2.2	1.4	2.7	2.2	1.7
CV						2.81	1.48	6.15	4.84	2.19
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.996	0.060	1.010	2.297	1.387
Replicate Prob(F)						0.4036	0.9803	0.3970	0.0904	0.2591
Treatment F						272.294	1.047	1150.330	1851.452	431.228
Treatment Prob(F)						0.0001	0.4290	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CLXL745	ORYZA	ORYZA	ORYZA	ORYZA
Rating Date	Jul/10/18	May/28/18	Jun/8/18	Jun/25/18	Jul/10/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	57 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	57 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	16*	17*	18*	19*	20*
1 No Herbicide No Surfactant	96 -	0 e	0 e	61 c	95 c
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 -	0 e	0 e	63 c	96 bc
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	0 e	0 e	64 c	98 ab
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 -	0 e	0 e	61 c	98 ab
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	98 -	88 c	96 bc	98 a	99 a
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 -	98 a	98 a	98 a	98 ab
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	99 a	98 ab	97 a	98 a
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 -	98 a	97 ab	99 a	97 ab
9 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	98 -	0 e	0 e	63 c	99 a
10 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	0 e	0 e	61 c	97 ab
11 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	0 e	0 e	61 c	97 ab
12 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	0 e	0 e	62 c	98 ab
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	99 -	76 d	84 d	94 b	98 ab
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 -	91 bc	98 ab	96 ab	98 a

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 -	91 bc	98 a	98 a	98 ab
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 -	93 b	95 c	99 a	99 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						1.4	3.7	2.6	3.4	1.8
Standard Deviation						1.0	2.6	1.8	2.4	1.2
CV						1.0	5.72	3.82	3.02	1.28
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						3.087	0.312	1.979	1.347	1.100
Replicate Prob(F)						0.0365	0.8163	0.1306	0.2712	0.3589
Treatment F						1.878	1321.160	2940.298	233.328	2.351
Treatment Prob(F)						0.0524	0.0001	0.0001	0.0001	0.0138

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	CYP
Rating Date	May/28/18	Jun/8/18	Jun/25/18	Jul/10/18	May/28/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	57 DA 3-4LF	14 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	21*	22*	23*	24*	25*
1 No Herbicide No Surfactant	0 c	0 d	0 c	0 c	0 b
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
3 No Herbicide MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	0 c	0 d	0 c	0 c	0 b
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 c	0 d	0 c	0 c	0 b
9 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	96 ab	93 c	96 b	98 ab	96 a
10 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 a	99 a	99 a	98 a	97 a
11 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF MSO 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 a	96 ab	98 a	96 a
12 Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 a	97 ab	98 ab	95 a
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF No Surfactant	94 b	94 bc	99 a	98 a	95 a
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Permit 75 % 0.04 lb 7 ai/a 1 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	98 a	98 a	97 b	97 a

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	97 ab	98 a	98 a	97 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	98 a	98 ab	98 a	97 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						2.8	2.6	2.4	1.2	2.7
Standard Deviation						1.9	1.9	1.7	0.9	1.9
CV						4.01	3.84	3.39	1.79	3.89
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.159	0.089	0.463	1.245	1.236
Replicate Prob(F)						0.3359	0.9657	0.7094	0.3045	0.3078
Treatment F						2660.044	2889.133	3709.603	13280.601	2819.365
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPIR Jun/8/18 CONTROL %	CYPIR Jun/25/18 CONTROL %	CYPIR Jul/10/18 CONTROL %	CYPES May/28/18 CONTROL %	CYPES Jun/8/18 CONTROL %
						25 DA 3-4LF 0	42 DA 3-4LF 0	57 DA 3-4LF 0	14 DA 3-4LF 0	25 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	No Herbicide No Surfactant									
2	No Herbicide Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF		
3	No Herbicide MSO	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF		
4	No Herbicide Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF		
5	Provisia No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		
6	Provisia Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		
7	Provisia MSO	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		
8	Provisia Dash	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		
9	Permit No Surfactant	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF		
10	Permit Agri-Dex	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF		
11	Permit MSO	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF		
12	Permit Dash	75 %		0.04	lb 7 ai/a	1	oz/a	3-4 LEAF		
13	Provisia Permit No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		
14	Provisia Permit Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF		

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	98 ab	98 ab	97 ab	97 ab
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 ab	98 b	98 ab	98 a	97 b
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						2.3	0.9	0.8	2.1	1.5
Standard Deviation						1.6	0.6	0.5	1.5	1.0
CV						3.3	1.31	1.1	3.02	2.1
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.445	1.054	1.757	0.595	1.064
Replicate Prob(F)						0.2424	0.3780	0.1689	0.6218	0.3737
Treatment F						3910.156	24998.246	35027.588	4678.158	9712.800
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPES Jun/25/18 CONTROL % 42 DA 3-4LF 0	CYPES Jul/10/18 CONTROL % 57 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage	31*	32*	33*	34*	35*	
1 No Herbicide No Surfactant					0 d	0 c	75 c	77 b	76 d	
2 No Herbicide Agri-Dex	100 %	1 % v/v	1.2 pt/a	3-4 LEAF	0 d	0 c	84 bc	79 b	79 cd	
3 No Herbicide MSO	100 %	1 % v/v	1.2 pt/a	3-4 LEAF	0 d	0 c	83 c	82 b	80 cd	
4 No Herbicide Dash	100 %	1 % v/v	1.2 pt/a	3-4 LEAF	0 d	0 c	80 c	83 b	87 bcd	
5 Provisia No Surfactant	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 d	0 c	94 ab	95 a	88 bc	
6 Provisia Agri-Dex	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 d	0 c	98 a	95 a	97 ab	
7 Provisia MSO	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 d	0 c	100 a	100 a	102 a	
8 Provisia Dash	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 d	0 c	100 a	103 a	100 a	
9 Permit No Surfactant	75 %	0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	98 bc	99 a	81 c	79 b	80 cd	
10 Permit Agri-Dex	75 %	0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	98 abc	98 b	82 c	82 b	82 cd	
11 Permit MSO	75 %	0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	98 abc	99 a	81 c	80 b	77 d	
12 Permit Dash	75 %	0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	98 abc	98 ab	81 c	82 b	81 cd	
13 Provisia Permit No Surfactant	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 ab	98 a	96 a	100 a	
14 Provisia Permit Agri-Dex	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 bc	98 b	102 a	98 a	101 a	

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	98 ab	97 a	96 a	95 ab
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 c	98 ab	101 a	102 a	101 a
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						0.9	0.9	9.8	8.7	11.0
Standard Deviation						0.7	0.6	6.8	6.1	7.7
CV						1.34	1.3	7.64	6.84	8.7
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.484	1.164	0.775	3.497	2.979
Replicate Prob(F)						0.6952	0.3341	0.5143	0.0230	0.0413
Treatment F						23794.067	25233.494	7.894	9.676	6.674
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants

Trial ID: C18-04 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-04 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 AVG HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/13/18 MOISTURE % 91 DA 3-4LF 1	RICE Aug/13/18 YIELD g 91 DA 3-4LF 0	RICE Aug/13/18 YIELD lb/a 91 DA 3-4LF 0
Trt Treatment	Form Form	Rate	Other	Other	Growth					
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage	36*	37*	38*	39*	40*
1 No Herbicide No Surfactant						81 ef	77 d	14.4 -	11 e	34 e
2 No Herbicide Agri-Dex	100 %	1 % v/v	1.2 pt/a		3-4 LEAF	76 f	79 d	14.4 -	0 e	0 e
3 No Herbicide MSO	100 %	1 % v/v	1.2 pt/a		3-4 LEAF	83 def	82 d	14.4 -	0 e	0 e
4 No Herbicide Dash	100 %	1 % v/v	1.2 pt/a		3-4 LEAF	88 cde	84 cd	14.4 -	0 e	0 e
5 Provisia No Surfactant	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	92 bcd	92 bc	14.4 -	1210 bc	3706 bc
6 Provisia Agri-Dex	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	100 ab	97 ab	14.4 -	1793 a	5492 a
7 Provisia MSO	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	102 a	101 a	14.4 -	1072 cd	3282 cd
8 Provisia Dash	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	102 a	101 a	14.4 -	1292 b	3956 b
9 Permit No Surfactant	75 %	0.04 lb 7 ai/a	1 oz/a		3-4 LEAF	77 f	79 d	14.4 -	0 e	0 e
10 Permit Agri-Dex	75 %	0.04 lb 7 ai/a	1 oz/a		3-4 LEAF	82 ef	82 d	14.4 -	0 e	0 e
11 Permit MSO	75 %	0.04 lb 7 ai/a	1 oz/a		3-4 LEAF	84 def	80 d	14.4 -	24 e	73 e
12 Permit Dash	75 %	0.04 lb 7 ai/a	1 oz/a		3-4 LEAF	82 ef	81 d	14.4 -	0 e	0 e
13 Provisia Permit No Surfactant	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	98 abc	98 ab	14.4 -	1282 bc	3927 bc
14 Provisia Permit Agri-Dex	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		3-4 LEAF	102 a	101 a	14.4 -	933 d	2856 d

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 ab	97 ab	14.4 -	1262 bc	3864 bc
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 ab	101 a	14.4 -	1276 bc	3907 bc
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						9.8	8.5	.	212.6	651.1
Standard Deviation						6.9	6.0	0.00	149.3	457.2
CV						7.61	6.69	0.0	23.52	23.52
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						2.203	2.543	0.000	1.442	1.442
Replicate Prob(F)						0.1008	0.0681	1.0000	0.2432	0.2432
Treatment F						8.578	10.334	0.000	81.216	81.216
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit with Different Surfactants			
Trial ID: C18-04	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-04	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Aug/13/18 YIELD kg/ha 91 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	41*
1	No Herbicide No Surfactant								38 e
2	No Herbicide Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 e
3	No Herbicide MSO	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 e
4	No Herbicide Dash	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 e
5	Provisia No Surfactant	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF	4154 bc
6	Provisia Agri-Dex	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF 3-4 LEAF	6155 a
7	Provisia MSO	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF 3-4 LEAF	3678 cd
8	Provisia Dash	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF 3-4 LEAF	4434 b
9	Permit No Surfactant	75	%	0.04 lb 7	ai/a	1	oz/a	3-4 LEAF	0 e
10	Permit Agri-Dex	75	%	0.04 lb 7	ai/a	1	oz/a	3-4 LEAF 3-4 LEAF	0 e
11	Permit MSO	75	%	0.04 lb 7	ai/a	1	oz/a	3-4 LEAF 3-4 LEAF	82 e
12	Permit Dash	75	%	0.04 lb 7	ai/a	1	oz/a	3-4 LEAF 3-4 LEAF	0 e
13	Provisia Permit No Surfactant	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF 3-4 LEAF	4402 bc
14	Provisia Permit Agri-Dex	0.88	LB/GA L	0.10 lb 7	ai/a	15.5	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	3201 d

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4331 bc
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4380 bc
Permit	75 %		0.04 lb 7 ai/a	1 oz/a	3-4 LEAF	
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	
LSD P=.05						729.8
Standard Deviation						512.4
CV						23.52
Analyzed as						RCB
Replicate F						1.442
Replicate Prob(F)						0.2432
Treatment F						81.216
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Regiment with Different Surfactants

Experiment number : **C18-05**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 4
 Plot size : 5'x17'
 Row width/# per plot : 7.5"/8
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/23/18
 Harvest date : 8/13/18
 Uniform Standard Treatment : Provisia @ 15.5 oz/A on 6/19/18

Application type : 3-4 LF
 Date applied [mm/dd/yy] : 5/14/18
 Time [hh:mm-hh:mm] : 11:09-11:30a
 Air/Soil temperature [F] : 79/71
 Relative humidity [%] : 55%
 Wind [mph, direction] : 3-6, NNW
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist : dry/dry
 Crop stage : 3-4lf
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by : LCW

Weed Species (population) : (height/#leaves) -
 ECHCG (100-200m⁻²) : 4-6"/3-5lf
 CL111 (20-30m⁻²) : 6-8"/3-4lf
 CLXL745 (20-30m⁻²) : 6-8"/3-4lf
 ORYZA (20-30m⁻²) : 6-8"/3-4lf
 SEBEX(1-5m⁻²) : 1-2"/cot-2lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood : 5/23/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							RICE	RICE	RICE	RICE	ECHCG			
Rating Date							May/28/18	Jun/8/18	Jun/25/18	Jul/9/18	May/28/18			
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL			
Rating Unit							%	%	%	%	%			
Trt-Eval Interval							14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF	14 DA 3-4LF			
Number of Decimals							0	0	0	0	0			
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	1*	2*	3*	4*	5*
1	No Herbicide									0 -	0 -	0 -	0 -	0 i
2	No Herbicide									0 -	0 -	0 -	0 -	0 i
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
3	No Herbicide									0 -	0 -	0 -	0 -	0 i
	Dyne-A-Pak	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
4	No Herbicide									0 -	0 -	0 -	0 -	0 i
	Dash	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
5	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	90 bc
	No Surfactant													
6	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	99 a
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
7	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	99 a
	Dyne-A-Pak	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
8	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	97 a
	Dash	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
9	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	76 ef
	No Surfactant													
10	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	78 e
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
11	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	85 d
	Dyne-A-Pak	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
12	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	85 cd
	Dash	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					
13	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	51 h
	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF					
	No Surfactant													
14	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a		3-4 LEAF	0 -	0 -	0 -	0 -	61 g
	Regiment	80 %		0.03	lb ai/a	0.6	oz/a		3-4 LEAF					
	Agri-Dex	100 %		1 %	v/v	1.2	pt/a		3-4 LEAF					

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	71 f
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	92 b
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						.	.	.	.	5.1
Standard Deviation						0.0	0.0	0.0	0.0	3.6
CV						0.0	0.0	0.0	0.0	5.8
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000	1.015
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.3950
Treatment F						0.000	0.000	0.000	0.000	475.425
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG Jun/8/18 CONTROL % 25 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 42 DA 3-4LF 0	ECHCG Jul/9/18 CONTROL % 56 DA 3-4LF 0	CL111 May/28/18 CONTROL % 14 DA 3-4LF 0	CL111 Jun/8/18 CONTROL % 25 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	6*	7*	8*	9*	10*
1	No Herbicide No Surfactant								0 g	65 f	98 ab	0 e	0 e
2	No Herbicide Agri-Dex	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 g	63 f	96 bc	0 e	0 e
3	No Herbicide Dyne-A-Pak	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 g	61 f	97 ab	0 e	0 e
4	No Herbicide Dash	100 %		1 %	v/v	1.2	pt/a	3-4 LEAF	0 g	64 f	95 cd	0 e	0 e
5	Provisia No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	93 abc	89 bc	97 abc	93 bc	96 bc
6	Provisia Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	96 ab	98 a	97 ab	96 ab	98 ab
7	Provisia Dyne-A-Pak	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	99 a	98 a	98 a	97 a	99 a
8	Provisia Dash	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	98 a	98 a	97 abc	98 a	98 ab
9	Regiment No Surfactant	80 %		0.03	lb ai/a	0.6	oz/a	3-4 LEAF	90 cd	85 cd	93 d	0 e	0 e
10	Regiment Agri-Dex	80 % 100 %		0.03	lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF		78 e	81 de	97 ab	0 e	0 e
11	Regiment Dyne-A-Pak	80 % 100 %		0.03	lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF		92 bc	92 abc	98 ab	0 e	0 e
12	Regiment Dash	80 % 100 %		0.03	lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF		95 ab	91 abc	97 ab	0 e	0 e
13	Provisia Regiment No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	63 f	75 e	90 e	80 d	86 d
14	Provisia Regiment Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	84 d	88 bcd	97 ab	91 c	94 c

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	89 cd	95 ab	98 a	93 bc	96 bc
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	95 ab	98 a	99 a	95 ab	97 ab
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						5.7	7.7	2.2	3.7	2.3
Standard Deviation						4.0	5.4	1.6	2.6	1.6
CV						6.02	6.43	1.62	5.64	3.35
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						2.937	0.599	1.231	0.494	0.301
Replicate Prob(F)						0.0433	0.6192	0.3094	0.6882	0.8245
Treatment F						411.764	26.500	8.564	1348.199	3813.644
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CL111	CL111	CLXL745	CLXL745	CLXL745
Rating Date	Jun/25/18	Jul/9/18	May/28/18	Jun/8/18	Jun/25/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	42 DA 3-4LF	56 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	11*	12*	13*	14*	15*
1 No Herbicide No Surfactant	67 d	96 d	0 e	0 e	61 e
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	62 ef	97 bcd	0 e	0 e	64 de
3 No Herbicide Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	61 f	97 cd	0 e	0 e	61 e
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 ef	98 abc	0 e	0 e	62 e
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	98 a	98 abc	91 bc	96 ab	98 a
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 abc	96 a	97 a	98 a
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 a	98 abc	97 a	98 a	97 a
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 a	98 ab	97 a	97 a	98 a
9 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	61 f	97 cd	0 e	0 e	65 d
10 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 ef	96 d	0 e	0 e	63 de
11 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	63 ef	99 ab	0 e	0 e	61 e
12 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	64 e	97 bcd	0 e	0 e	62 de
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	84 c	98 abc	74 d	79 d	81 c
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	94 b	98 abc	91 bc	90 c	92 b

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	97 bcd	88 c	93 bc	98 a
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	99 a	94 ab	97 a	99 a
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						2.3	1.7	3.4	3.4	3.1
Standard Deviation						1.6	1.2	2.4	2.4	2.2
CV						2.07	1.23	5.32	5.13	2.74
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.810	0.662	0.178	1.218	1.418
Replicate Prob(F)						0.1589	0.5796	0.9108	0.3142	0.2500
Treatment F						447.521	2.292	1527.748	1632.231	261.536
Treatment Prob(F)						0.0001	0.0163	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	CLXL745	ORYZA	ORYZA	ORYZA	ORYZA
Rating Date	Jul/9/18	May/28/18	Jun/8/18	Jun/25/18	Jul/9/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	56 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	16*	17*	18*	19*	20*
1 No Herbicide No Surfactant	93 d	0 e	0 d	67 c	98 abc
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 abc	0 e	0 d	67 c	95 d
3 No Herbicide Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 abc	0 e	0 d	61 e	98 ab
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 abc	0 e	0 d	63 de	97 bcd
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	99 a	93 bc	97 a	98 a	98 ab
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	98 a	99 a	97 a	98 abc
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	96 ab	98 a	99 a	99 a
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 ab	95 abc	98 a	97 a	98 ab
9 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	97 abc	0 e	0 d	64 de	96 cd
10 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 abc	0 e	0 d	61 e	98 abc
11 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	96 bc	0 e	0 d	64 cd	98 abc
12 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	96 c	0 e	0 d	63 de	98 abc
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	98 ab	73 d	88 c	93 b	97 a-d
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	98 ab	91 c	94 b	99 a	98 ab

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 abc	91 c	97 a	99 a	98 ab
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	95 ab	99 a	99 a	98 ab
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						2.0	4.0	2.6	2.9	1.9
Standard Deviation						1.4	2.8	1.8	2.0	1.3
CV						1.48	6.09	3.85	2.53	1.34
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.333	0.526	1.211	0.085	0.398
Replicate Prob(F)						0.8016	0.6666	0.3165	0.9678	0.7553
Treatment F						4.146	1166.106	2887.911	298.663	2.127
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0260

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	RICE
Rating Date	May/28/18	Jun/8/18	Jun/25/18	Jul/9/18	Aug/10/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS
Rating Unit	%	%	%	%	cm
Trt-Eval Interval	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF	88 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	21*	22*	23*	24*	25*
1 No Herbicide No Surfactant	0 e	0 e	0 e	0 d	85 de
2 No Herbicide Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	84 def
3 No Herbicide Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	77 f
4 No Herbicide Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	79 ef
5 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF No Surfactant	0 e	0 e	0 e	0 d	98 ab
6 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	100 ab
7 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	98 ab
8 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	0 e	0 e	0 e	0 d	100 ab
9 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	91 cd	92 d	95 d	95 c	81 ef
10 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 ab	98 a	97 bcd	98 ab	90 cd
11 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dyne-A-Pak 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	97 ab	98 a	98 ab	99 a	96 abc
12 Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Dash 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	99 a	98 a	99 a	99 a	94 bc
13 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF No Surfactant	90 d	94 cd	97 bcd	96 bc	94 bc
14 Provisia 0.88 LB/GA L 0.10 lb 7 ai/a 15.5 oz/a 3-4 LEAF Regiment 80 % 0.03 lb ai/a 0.6 oz/a 3-4 LEAF Agri-Dex 100 % 1 % v/v 1.2 pt/a 3-4 LEAF	91 cd	95 bc	96 cd	98 ab	100 ab

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 cd	97 ab	97 bcd	98 a	102 a
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	94 bc	96 abc	98 abc	98 a	99 ab
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						3.3	2.6	1.9	2.3	6.9
Standard Deviation						2.3	1.8	1.4	1.6	4.8
CV						4.91	3.86	2.79	3.39	5.25
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.294	0.373	0.601	1.935	1.511
Replicate Prob(F)						0.8293	0.7726	0.6178	0.1375	0.2246
Treatment F						1772.751	2864.332	5470.474	3715.933	12.016
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: C18-05 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 AVG HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/13/18 MOISTURE % 91 DA 3-4LF 1
Trt Treatment	Form Form	Rate	Other	Other	Growth					
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage	26*	27*	28*	29*	30*
1 No Herbicide No Surfactant						81 c	81 d	85 d	83 e	14.4 -
2 No Herbicide Agri-Dex	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	79 c	82 d	84 d	82 e	14.4 -
3 No Herbicide Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	82 c	80 d	81 d	80 e	14.4 -
4 No Herbicide Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF	81 c	81 d	84 d	81 e	14.4 -
5 Provisia No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	101 a	102 ab	103 a	101 ab	14.4 -
6 Provisia Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	103 ab	102 a	101 ab	14.4 -
7 Provisia Dyne-A-Pak	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 ab	102 ab	103 a	101 ab	14.4 -
8 Provisia Dash	0.88 LB/GA L		0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 a	103 a	103 a	102 a	14.4 -
9 Regiment No Surfactant	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF	82 c	84 d	85 d	83 e	14.4 -
10 Regiment Agri-Dex	80 % 100 %		0.03 lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF	94 b	98 abc	92 c	94 d	14.4 -
11 Regiment Dyne-A-Pak	80 % 100 %		0.03 lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF	97 ab	97 bc	99 ab	97 bcd	14.4 -
12 Regiment Dash	80 % 100 %		0.03 lb ai/a 1 % v/v	0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF	94 b	95 c	93 c	94 d	14.4 -
13 Provisia Regiment No Surfactant	0.88 LB/GA L 80 %		0.10 lb 7 ai/a 0.03 lb ai/a	15.5 oz/a 0.6 oz/a	3-4 LEAF 3-4 LEAF	99 ab	97 bc	96 bc	96 cd	14.4 -
14 Provisia Regiment Agri-Dex	0.88 LB/GA L 80 % 100 %		0.10 lb 7 ai/a 0.03 lb ai/a 1 % v/v	15.5 oz/a 0.6 oz/a 1.2 pt/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	100 ab	100 abc	100 ab	100 abc	14.4 -

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 ab	102 ab	102 a	101 ab	14.4 -
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	101 a	101 ab	103 a	101 ab	14.4 -
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						6.3	5.9	4.9	4.4	.
Standard Deviation						4.4	4.1	3.4	3.1	0.00
CV						4.78	4.4	3.64	3.27	0.0
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						3.264	5.492	9.425	6.460	0.000
Replicate Prob(F)						0.0299	0.0027	0.0001	0.0010	1.0000
Treatment F						15.527	19.470	23.280	31.119	0.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants			
Trial ID: C18-05	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-05	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code							RICE	RICE	RICE
Rating Date							Aug/13/18	Aug/13/18	Aug/13/18
Rating Type							YIELD	YIELD	YIELD
Rating Unit							g/plot	lb/a	kg/ha
Trt-Eval Interval							91 DA 3-4LF	91 DA 3-4LF	91 DA 3-4LF
Number of Decimals							0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No Herbicide								
	No Surfactant								
2	No Herbicide								
	Agri-Dex	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
3	No Herbicide								
	Dyne-A-Pak	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
4	No Herbicide								
	Dash	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
5	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	No Surfactant		L		7 ai/a				
6	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	Agri-Dex	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
7	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	Dyne-A-Pak	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
8	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	Dash	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
9	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	No Surfactant				ai/a				
10	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	Agri-Dex	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
11	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	Dyne-A-Pak	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
12	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	Dash	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		
13	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	No Surfactant				ai/a				
14	Provisia	0.88	LB/GA	0.10	lb	15.5	oz/a	3-4 LEAF	
	Regiment	80 %		0.03	lb	0.6	oz/a	3-4 LEAF	
	Agri-Dex	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF		

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	1521 b	4584 b	5138 b
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF			
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF			
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	1375 bcd	4143 bcd	4644 bcd
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF			
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF			
LSD P=.05						199.4	601.0	673.6
Standard Deviation						140.0	422.0	473.0
CV						14.21	14.21	14.21
Analyzed as						RCB	RCB	RCB
Replicate F						1.693	1.693	1.693
Replicate Prob(F)						0.1820	0.1820	0.1820
Treatment F						101.711	101.711	101.711
Treatment Prob(F)						0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Applied at Different Timings on Antagonized Weeds

Experiment number.....	C18-06				
Location.....	RRS-Crowley, LA				
Experimental design.....	RCB				
Number of reps	4				
Plot size.....	5'x17'				
Row width/# per plot.....	7.5"/8				
Soil type.....	Crowley silt loam (3% sand, 69% silt, 28% clay)				
% OM	1.4				
pH.....	6.4				
CEC.....	19.1				
Crop/Variety	PVL01				
Planting date	4/12/18				
Emergence date	4/23/18				
Harvest date	8/13/18				
Uniform Standard Treatment ...	Permit @ 1 oz/A on 6/20/18				
Application type	3-4LF	1 WA3-4LF	2 WA3-4LF	3 WA3-4LF	4 WA3-4LF
Date applied [mm/dd/yy]	5/14/18	5/21/18	5/28/18	6/4/18	6/19/18
Time [hh:mm-hh:mm]	9:15-9:40a	8:10-8:15a	7:45-7:55a	8:30-8:40a	9:10-9:20a
Air/Soil temperature [F]	76/70	75/68	77/70	79/69	79/69
Relative humidity [%].....	90%	90%	86%	88%	96%
Wind [mph, direction]	1-3, N	1-3, ENE	3-5, NE	3-5, E	6-8, E
Weather [sunny, etc]	sunny	sunny	sunny	cloudy	cloudy
Soil/Leaf surface moist.....	dry/dry	dry/dry	flood	flood/dry	flood
Crop stage.....	3-4lf	1-2 til	3-4 til	3-4 til	4-5 til
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF110015	FF110015	FF110015	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.....	LCW	LCW	LCW	LCW	LCW
Weed Species (population)	(height/#leaves)				
ECHCG (100-200m ⁻²).....	4-6"/3-5lf	4-8"/3-5lf	18-20"/2-3til	20-25"/3-4til	30-32"/4-5til
CL111 (20-30m ⁻²).....	6-8"/3-4lf	8-10"/1-2til	15-17"/2-3til	18-20"/3-4til	20-22"/4-5til
CLXL745 (20-30m ⁻²).....	6-8"/3-4lf	8-10"/1-2til	15-17"/2-3til	18-20"/3-4til	20-22"/4-5til
ORYZA (20-30m ⁻²)	6-8"/3-4lf	8-10"/1-2til	15-18"/2-3til	19-22"/3-4til	22-24"/4-5til
SEBEX(1-5m-2)	1-2"/cot-2lf	4-8"/5-7lf	12-15"/8-10lf	18-20"/12-18lf	24-30"/20-25lf
Flush Dates	5/4/18, 5/15/18				
Permanent Flood.....	5/23/18				

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)

Trial ID: C18-06_2 Location: RRS- Crowley, LA Trial Year: 2018
 Protocol ID: C18-06 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jun/5/18 INJURY %	RICE Jun/19/18 INJURY %	RICE Jul/2/18 INJURY %	RICE Jul/16/18 INJURY %
						22 DA 3-4LF 0	36 DA 3-4LF 0	49 DA 3-4LF 0	63 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
3	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
4	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		
5	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	4 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	4 WA 3-4 LF		
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	No Second Application								
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						.	.	.	.
Standard Deviation						0.0	0.0	0.0	0.0
CV						0.0	0.0	0.0	0.0
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000
Treatment F						0.000	0.000	0.000	0.000
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000

LSU AgCenter SPEATS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)

Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018
Protocol ID: C18-06	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG Jun/5/18 CONTROL % 22 DA 3-4LF 0	ECHCG Jun/19/18 CONTROL % 36 DA 3-4LF 0	ECHCG Jul/2/18 CONTROL % 49 DA 3-4LF 0	ECHCG Jul/16/18 CONTROL % 63 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	5*	6*	7*	8*
1	No EPOST Application No Second Application								0 f	0 d	0 d	0 e
2	No EPOST Application								93 abc	96 ab	99 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								92 bc	96 ab	98 a	98 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									93 b	97 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application										28 c	13 d
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	97 ab	99 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	No Second Application											
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	97 a	98 a	98 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	97 ab	97 ab	97 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	97 ab	99 a	98 a	97 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 ab	94 ab	97 a	99 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	10 de	9 c	30 c	33 c
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 ab	98 a	98 a	99 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 c	98 a	98 a	97 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	14 d	95 ab	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 ef	11 c	60 b	55 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						5.1	4.4	7.2	7.3
Standard Deviation						3.5	3.1	5.0	5.1
CV						5.19	3.98	6.34	6.52
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.088	2.654	1.127	0.130
Replicate Prob(F)						0.9663	0.0620	0.3489	0.9415
Treatment F						577.286	623.782	174.461	189.141
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPEATS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)

Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018
Protocol ID: C18-06	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								CL111 Jun/5/18 CONTROL % 22 DA 3-4LF 0	CL111 Jun/19/18 CONTROL % 36 DA 3-4LF 0	CL111 Jul/2/18 CONTROL % 49 DA 3-4LF 0	CL111 Jul/16/18 CONTROL % 63 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	9*	10*	11*	12*
1	No EPOST Application No Second Application								0 e	0 c	0 e	0 d
2	No EPOST Application								95 ab	99 a	97 a	97 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								93 b	99 a	99 a	98 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									97 a	99 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application										78 c	89 b
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 ab	99 a	98 a	97 a
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	98 a	97 a	99 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	97 ab	99 a	98 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	99 a	98 a	98 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	98 a	98 a	99 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	13 c	18 b	55 d	61 c
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	98 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 b	98 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	15 c	98 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	8 d	20 b	88 b	90 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						4.7	4.1	7.3	6.3
Standard Deviation						3.3	2.8	5.1	4.4
CV						4.72	3.57	5.95	5.04
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						2.407	0.923	1.179	0.601
Replicate Prob(F)						0.0832	0.4389	0.3293	0.6181
Treatment F						664.975	663.597	107.811	139.510
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)			
Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018	
Protocol ID: C18-06	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals						CLXL745 Jun/5/18 CONTROL % 22 DA 3-4LF 0	CLXL745 Jun/19/18 CONTROL % 36 DA 3-4LF 0	CLXL745 Jul/2/18 CONTROL % 49 DA 3-4LF 0	CLXL745 Jul/16/18 CONTROL % 63 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage
1	No EPOST Application No Second Application								
							0 f	0 c	0 d
2	No EPOST Application						94 abc	98 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
3	No EPOST Application						93 bc	98 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
4	No EPOST Application							97 a	98 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		
5	No EPOST Application							71 b	85 b
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	4 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	4 WA 3-4 LF		
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	98 ab	99 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	No Second Application								
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	98 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	98 abc	97 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	97 abc	99 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 abc	99 a	99 a	98 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	11 d	13 b	49 c	55 c
Propanil No Second Application	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 abc	97 a	98 a	97 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 c	98 a	98 a	97 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	13 d	98 a	97 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 e	15 b	80 b	88 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						4.9	3.5	9.5	6.5
Standard Deviation						3.4	2.4	6.7	4.5
CV						4.98	3.1	7.85	5.22
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						2.658	0.968	1.562	1.254
Replicate Prob(F)						0.0629	0.4177	0.2127	0.3024
Treatment F						627.497	960.814	67.959	137.095
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPEATS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)

Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018
Protocol ID: C18-06	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ORYZA Jun/5/18 CONTROL % 22 DA 3-4LF 0	ORYZA Jun/19/18 CONTROL % 36 DA 3-4LF 0	ORYZA Jul/2/18 CONTROL % 49 DA 3-4LF 0	ORYZA Jul/16/18 CONTROL % 63 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	17*	18*	19*	20*
1	No EPOST Application No Second Application								0 d	0 c	0 d	0 c
2	No EPOST Application								96 a	99 a	98 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								94 a	99 a	95 a	98 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									99 a	98 a	99 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application										88 b	94 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	95 a	98 a	98 a	98 a
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	98 a	98 a	99 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	99 a	98 a	97 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a	99 a	98 a	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	94 a	97 a	98 a	98 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	13 bc	28 b	80 c	70 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	97 a	96 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 a	98 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	15 b	98 a	97 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	8 c	30 b	91 b	95 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						5.3	5.4	3.9	6.7
Standard Deviation						3.7	3.8	2.8	4.7
CV						5.33	4.64	3.11	5.3
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						2.254	0.738	1.419	0.415
Replicate Prob(F)						0.0988	0.5357	0.2506	0.7431
Treatment F						520.692	330.484	330.129	118.288
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)			
Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018	
Protocol ID: C18-06	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals						SEBEX Jun/5/18 CONTROL % 22 DA 3-4LF 0	SEBEX Jun/19/18 CONTROL % 36 DA 3-4LF 0	SEBEX Jul/2/18 CONTROL % 49 DA 3-4LF 0	SEBEX Jul/16/18 CONTROL % 63 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage
1	No EPOST Application No Second Application								
							0 c	0 b	0 f
2	No EPOST Application						0 c	0 b	93 bcd
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
3	No EPOST Application						0 c	0 b	88 de
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
4	No EPOST Application							0 b	91 cde
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		
5	No EPOST Application								90 cde
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	4 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	4 WA 3-4 LF		
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	0 c	0 b
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	No Second Application								89 cde
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	0 c	0 b
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF		
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	0 c	0 b
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF		
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	0 c	0 b
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF		
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF		

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	87 e	95 a-d
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 b	97 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	98 a	98 a	98 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 b	98 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	97 a	98 ab	97 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	98 ab	98 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						1.5	1.2	5.1	4.0
Standard Deviation						1.0	0.9	3.6	2.8
CV						2.74	2.47	4.12	3.18
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						3.364	1.310	1.560	2.427
Replicate Prob(F)						0.0291	0.2850	0.2132	0.0788
Treatment F						9247.183	12664.947	186.385	306.317
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)			
Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018	
Protocol ID: C18-06	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	
1	No EPOST Application No Second Application									
2	No EPOST Application									
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF			
3	No EPOST Application									
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF			
4	No EPOST Application									
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF			
5	No EPOST Application									
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	4 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	4 WA 3-4 LF			
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF			
	No Second Application									
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF			
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF			
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF			
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF			
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF			
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF			
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF			

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	103 ab	101 abc	102 ab	105 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	104 ab	97 bc	99 abc	102 abc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	103 abc	104 a	103 ab	105 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 abc	101 abc	100 abc	104 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a-d	100 abc	102 ab	103 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 cde	95 c	98 bc	98 bc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						6.2	6.6	5.9	5.4
Standard Deviation						4.3	4.6	4.2	3.8
CV						4.34	4.7	4.22	3.78
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						1.175	0.620	4.610	4.475
Replicate Prob(F)						0.3307	0.6062	0.0071	0.0082
Treatment F						6.551	6.381	8.683	14.484
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)			
Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018	
Protocol ID: C18-06	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Aug/10/18 AVG HEIGHTS cm 88 DA 3-4LF 0	RICE Aug/13/18 MOISTURE % 91 DA 3-4LF 1	RICE Aug/13/18 YIELD g 91 DA 3-4LF 0	RICE Aug/13/18 YIELD lb/a 91 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	29*	30*	31*	32*
1	No EPOST Application No Second Application								87 d	13.2 -	0 f	0 f
2	No EPOST Application								101 ab	13.2 -	1554 a	5209 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								104 a	13.2 -	1451 a	4864 a
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application								96 c	13.2 -	1080 c	3620 c
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application								84 d	13.2 -	286 e	959 e
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	102 a	13.2 -	1360 ab	4561 ab
	Agri-Dex No Second Application	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	104 a	13.2 -	1524 a	5110 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	101 abc	13.2 -	1470 a	4929 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	102 a	13.2 -	1470 a	4928 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 a	13.2 -	1476 a	4948 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	100 abc	13.2 -	1525 a	5113 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	104 a	13.2 -	1344 ab	4506 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	102 a	13.2 -	1127 bc	3777 bc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	101 ab	13.2 -	1443 a	4838 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	97 bc	13.2 -	655 d	2195 d
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						4.7	.	263.4	883.1
Standard Deviation						3.3	0.00	184.6	618.9
CV						3.3	0.0	15.59	15.59
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						1.479	0.000	2.510	2.510
Replicate Prob(F)						0.2341	1.0000	0.0717	0.0717
Treatment F						13.479	0.000	27.796	27.796
Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds (Red Rice)		
Trial ID: C18-06_2	Location: RRS- Crowley, LA	Trial Year: 2018
Protocol ID: C18-06	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code							RICE
Rating Date							Aug/13/18
Rating Type							YIELD
Rating Unit							kg/ha
Trt-Eval Interval							91 DA 3-4LF
Number of Decimals							0
Trt Treatment	Form Form	Rate	Other Other	Growth			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			33*
1 No EPOST Application No Second Application							0 f
2 No EPOST Application							5838 a
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF			
3 No EPOST Application							5452 a
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF			
4 No EPOST Application							4058 c
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF			
5 No EPOST Application							1075 e
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	4 WA 3-4 LF			
6 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF			5112 ab
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF			
7 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF			5728 a
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF			
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	1 WA 3-4 LF			
8 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF			5525 a
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF			
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	2 WA 3-4 LF			
9 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF			5524 a
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3-4 LEAF			
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF			
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	3 WA 3-4 LF			

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5546 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF	
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5730 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
No Second Application						
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5050 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF	
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	4234 bc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF	
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5423 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF	
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	2461 d
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF	
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF	
LSD P=.05						989.9
Standard Deviation						693.7
CV						15.59
Analyzed as						RCB
Replicate F						2.510
Replicate Prob(F)						0.0717
Treatment F						27.796
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Overcoming Provisia Antagonism with AMS

Experiment number..... : **C18-07**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/23/18
 Harvest date : 8/13/18
 Uniform Standard Treatment ... : Permit @ 1 oz/A on 6/20/18

Application type : 3-4 LF
 Date applied [mm/dd/yy] : 5/14/18
 Time [hh:mm-hh:mm] : 12:35-12:55p
 Air/Soil temperature [F] : 87/72
 Relative humidity [%]..... : 51%
 Wind [mph, direction] : 3-6, NNW
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist..... : dry/dry
 Crop stage..... : 3-4lf
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
 ECHCG (100-200m⁻²)..... : 5-7"/3-5lf
 CL111 (20-30m⁻²)..... : 6-8"/3-4lf
 CLXL745 (20-30m⁻²)..... : 6-8"/3-4lf
 ORYZA (20-30m⁻²) : 6-8"/3-4lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood..... : 5/23/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS

Trial ID: C18-07 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-07 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/28/18 INJURY % 14 DA 3-4LF 0	RICE Jun/8/18 INJURY % 25 DA 3-4LF 0	RICE Jun/25/18 INJURY % 42 DA 3-4LF 0	RICE Jul/10/18 INJURY % 57 DA 3-4LF 0	ECHCG May/28/18 CONTROL % 14 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	70 d
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
2	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	76 cd
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
3	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	53 e
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
4	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	43 f
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					
5	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	80 c
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
6	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	94 ab
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
7	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	75 cd
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
8	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	5 a	5 a	5 a	0 -	88 b
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	34 g
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
No AMS									
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	38 fg
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	20 h
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	19 h
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	98 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
No AMS									
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	98 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	95 ab
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	5 a	5 a	5 a	0 -	97 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
17 Nontreated					0 b	0 b	0 b	0 -	0 i
LSD P=.05									8.7
Standard Deviation					0.0	0.0	0.0	0.0	6.1
CV					0.0	0.0	0.0	0.0	9.72
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.000	0.000	0.000	0.000	0.040
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.9892
Treatment F					0.000	0.000	0.000	0.000	110.259
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS

Trial ID: C18-07 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-07 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG Jun/8/18 CONTROL % 25 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 42 DA 3-4LF 0	ECHCG Jul/10/18 CONTROL % 57 DA 3-4LF 0	CL111 May/28/18 CONTROL % 14 DA 3-4LF 0	CL111 Jun/8/18 CONTROL % 25 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	69 b	68 b	43 b	64 d	71 b
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
2	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	70 b	74 b	41 b	70 d	68 bc
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
3	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	45 c	44 c	20 c	50 e	59 c
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
4	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	30 d	28 d	26 c	38 f	40 d
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					
5	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	90 a	94 a	98 a	86 bc	90 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
6	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	90 a	96 a	99 a	91 ab	91 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
7	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	89 a	95 a	98 a	78 c	88 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
8	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	93 a	94 a	96 a	80 c	92 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	24 de	26 d	11 d	26 gh	31 d
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
No AMS									
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	20 e	29 d	10 d	33 fg	31 d
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	18 ef	19 e	10 d	21 hi	14 e
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	11 f	24 de	9 d	15 i	15 e
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	90 a	95 a	96 a	96 a	91 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
No AMS									
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	89 a	94 a	99 a	97 a	90 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	91 a	93 a	98 a	95 a	89 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	91 a	95 a	97 a	96 a	93 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
17 Nontreated					0 g	0 f	0 e	0 j	0 f
LSD P=.05					8.3	7.0	7.9	7.8	10.1
Standard Deviation					5.9	4.9	5.6	5.5	7.1
CV					9.88	7.81	10.0	9.05	11.48
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.237	10.737	3.538	0.235	1.575
Replicate Prob(F)					0.3066	0.0001	0.0214	0.8713	0.2077
Treatment F					140.419	204.918	223.696	142.211	85.725
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS

Trial ID: C18-07 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-07 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CL111 Jun/25/18 CONTROL % 42 DA 3-4LF 0	CL111 Jul/10/18 CONTROL % 57 DA 3-4LF 0	CLXL745 May/28/18 CONTROL % 14 DA 3-4LF 0	CLXL745 Jun/8/18 CONTROL % 25 DA 3-4LF 0	CLXL745 Jun/25/18 CONTROL % 42 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	70 b	65 b	71 f	76 b	73 b
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
2	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	64 b	63 b	75 ef	66 c	65 b
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
3	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	51 c	45 c	54 g	58 d	45 c
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
4	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	41 cd	59 b	43 h	35 e	39 cd
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					
5	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	95 a	99 a	85 cde	89 a	95 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
6	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	96 a	97 a	94 abc	92 a	96 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
7	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	96 a	98 a	77 def	89 a	96 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
8	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	96 a	97 a	87 bcd	91 a	96 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	35 de	44 cd	30 ij	24 fg	35 de
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
No AMS									
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	34 de	40 cd	35 hi	30 ef	34 de
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	26 e	21 e	21 jk	18 gh	20 f
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	28 e	38 d	18 k	13 h	29 ef
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	94 a	97 a	97 ab	89 a	95 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
No AMS									
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	95 a	99 a	97 a	92 a	95 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	95 a	98 a	89 abc	91 a	95 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	95 a	99 a	97 ab	92 a	95 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
17 Nontreated					0 f	0 f	0 l	0 i	0 g
LSD P=.05					11.7	7.2	9.8	8.3	8.8
Standard Deviation					8.3	5.1	6.9	5.9	6.2
CV					12.65	7.47	11.04	9.55	9.52
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					3.868	2.574	0.424	1.165	4.854
Replicate Prob(F)					0.0148	0.0648	0.7366	0.3330	0.0050
Treatment F					62.303	163.215	86.521	132.986	117.606
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS

Trial ID: C18-07 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-07 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code								CLXL745	ORZYA	ORZYA	ORZYA	ORZYA		
Rating Date								Jul/10/18	May/28/18	Jun/8/18	Jun/25/18	Jul/10/18		
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit								%	%	%	%	%		
Trt-Eval Interval								57 DA 3-4LF	14 DA 3-4LF	25 DA 3-4LF	42 DA 3-4LF	57 DA 3-4LF		
Number of Decimals								0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*	
1	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	65 b	71 e	70 cd	71 b	76 b	
				7 ai/a										
	Grasp	2	LB/GAL	0.03 lb		2.3 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
No AMS														
2	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	64 b	79 de	79 bc	73 b	80 b	
				7 ai/a										
	Grasp	2	LB/GAL	0.03 lb		2.3 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Choice								100	%	1.67 % v/v		2 pt/a		3-4 LEAF
3	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	40 d	58 f	60 d	53 c	75 b	
				7 ai/a										
	Grasp	2	LB/GAL	0.03 lb		2.3 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Quest								100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF
4	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	53 c	46 g	45 e	48 cd	81 b	
				7 ai/a										
	Grasp	2	LB/GAL	0.03 lb		2.3 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Dry AMS								100	%	2 lb ai/a		2 lb/a		3-4 LEAF
5	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	98 a	87 bcd	90 a	95 a	99 a	
				7 ai/a										
	Permit	75	%	0.04 lb		1 oz/a		3-4 LEAF						
Agri-Dex								100	%	1 % v/v		19.2 oz/a		3-4 LEAF
6	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	95 a	86 cd	91 a	96 a	94 a	
				7 ai/a										
	Permit	75	%	0.04 lb		1 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Choice								100	%	1.67 % v/v		2 pt/a		3-4 LEAF
7	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	97 a	90 abc	90 a	96 a	93 a	
				7 ai/a										
	Permit	75	%	0.04 lb		1 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Quest								100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF
8	Provisia	0.88	LB/GAL	0.10 lb		15.5 oz/a		3-4 LEAF	97 a	90 abc	91 a	96 a	98 a	
				7 ai/a										
	Permit	75	%	0.04 lb		1 oz/a		3-4 LEAF						
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF						
Dry AMS								100	%	2 lb ai/a		2 lb/a		3-4 LEAF

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	38 d	31 h	20 f	39 de	53 c
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
No AMS									
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	35 d	38 gh	39 e	40 d	48 cd
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	31 d	19 i	19 f	26 f	41 d
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	33 d	19 i	19 f	30 ef	41 d
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	96 a	96 ab	88 ab	94 a	95 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
No AMS									
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	99 a	97 a	90 a	93 a	98 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	97 a	94 abc	91 a	94 a	92 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	99 a	97 a	93 a	95 a	99 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
17 Nontreate d					0 e	0 j	0 g	0 g	0 e
LSD P=.05					9.3	9.3	10.3	8.8	8.1
Standard Deviation					6.5	6.6	7.2	6.2	5.7
CV					9.78	10.21	11.48	9.32	7.72
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					3.001	0.572	1.799	5.550	1.437
Replicate Prob(F)					0.0396	0.6365	0.1600	0.0024	0.2436
Treatment F					100.263	97.928	80.714	101.948	97.215
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS

Trial ID: C18-07 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-07 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Contact:								RICE	RICE	RICE	RICE	RICE	
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals			Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	Aug/10/18 HEIGHTS cm 88 DA 3-4LF 0	Aug/10/18 AVG HEIGHTS cm 88 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	21*	22*	23*	24*	25*
1	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	96 a-d	100 ab	98 abc	98 a	98 abc
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	No AMS												
2	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	98 a-d	98 abc	97 abc	99 a	98 abc
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
3	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	89 bcd	90 abc	90 abc	93 a	90 abc
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
4	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	92 a-d	93 abc	93 abc	93 a	93 abc
	Grasp	2	LB/GAL	0.03 lb 6 ai/a		2.3 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					
5	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	102 ab	101 ab	103 ab	101 a	102 ab
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
6	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	103 ab	100 ab	101 abc	103 a	101 ab
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Choice	100	%	1.67 % v/v		2 pt/a		3-4 LEAF					
7	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	100 abc	102 a	103 ab	102 a	102 ab
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Quest	100	%	0.25 % v/v		0.3 pt/a		3-4 LEAF					
8	Provisia	0.88	LB/GAL	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	102 ab	104 a	102 abc	103 a	102 a
	Permit	75	%	0.04 lb 7 ai/a		1 oz/a		3-4 LEAF					
	Agri-Dex	100	%	1 % v/v		19.2 oz/a		3-4 LEAF					
	Dry AMS	100	%	2 lb ai/a		2 lb/a		3-4 LEAF					

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	92 a-d	95 abc	95 abc	93 a	94 abc
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
No AMS									
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	87 cd	87 bc	90 abc	89 a	88 bc
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 a-d	84 c	88 c	90 a	88 bc
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	85 d	86 bc	89 bc	89 a	87 c
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	100 abc	101 ab	99 abc	100 a	100 abc
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
No AMS									
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	104 a	103 a	104 a	103 a	103 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF					
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	101 abc	102 ab	98 abc	100 a	100 abc
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF					
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	94 a-d	102 ab	101 abc	102 a	100 abc
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF					
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF					
17 Nontreated					56 e	63 d	60 d	59 b	59 d
LSD P=0.05					14.4	15.3	15.0	14.0	14.0
Standard Deviation					10.1	10.8	10.6	9.9	9.8
CV					10.85	11.37	11.16	10.39	10.41
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.907	4.041	4.972	6.257	4.434
Replicate Prob(F)					0.1410	0.0122	0.0044	0.0011	0.0079
Treatment F					5.033	3.693	3.969	4.643	4.656
Treatment Prob(F)					0.0001	0.0002	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Overcoming Provisia Antagonism with AMS			
Trial ID: C18-07	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-07	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code							RICE	RICE	RICE	RICE
Rating Date							Aug/13/18	Aug/13/18	Aug/13/18	Aug/13/18
Rating Type							MOISTURE	YIELD	YIELD	YIELD
Rating Unit							%	g	lb/a	kg/ha
Trt-Eval Interval							91 DA 3-4LF	91 DA 3-4LF	91 DA 3-4LF	91 DA 3-4LF
Number of Decimals							1	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	
1	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1508 ab
	Grasp	2	LB/GAL	0.03 lb	6 ai/a	2.3 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	No AMS									
2	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1199 cde
	Grasp	2	LB/GAL	0.03 lb	6 ai/a	2.3 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Choice	100	%	1.67 % v/v		2 pt/a	3-4	LEAF		
3	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1126 de
	Grasp	2	LB/GAL	0.03 lb	6 ai/a	2.3 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Quest	100	%	0.25 % v/v		0.3 pt/a	3-4	LEAF		
4	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1126 de
	Grasp	2	LB/GAL	0.03 lb	6 ai/a	2.3 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Dry AMS	100	%	2 lb	ai/a	2 lb/a	3-4	LEAF		
5	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1300 bcd
	Permit	75	%	0.04 lb	7 ai/a	1 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	No AMS									
6	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1557 ab
	Permit	75	%	0.04 lb	7 ai/a	1 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Choice	100	%	1.67 % v/v		2 pt/a	3-4	LEAF		
7	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1728 a
	Permit	75	%	0.04 lb	7 ai/a	1 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Quest	100	%	0.25 % v/v		0.3 pt/a	3-4	LEAF		
8	Provisia	0.88	LB/GAL	0.10 lb	7 ai/a	15.5 oz/a	3-4	LEAF	14.5 -	1552 ab
	Permit	75	%	0.04 lb	7 ai/a	1 oz/a	3-4	LEAF		
	Agri-Dex	100	%	1 % v/v		19.2 oz/a	3-4	LEAF		
	Dry AMS	100	%	2 lb	ai/a	2 lb/a	3-4	LEAF		

9 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	14.5 -	1113 de	3326 de	3728 de
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF				
No AMS								
10 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	14.5 -	376 g	1125 g	1261 g
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF				
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF				
11 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	14.5 -	954 ef	2850 ef	3195 ef
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF				
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF				
12 Provisia	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	14.5 -	669 fg	2001 fg	2242 fg
RiceBeau x	6 LB/GAL	6 lb ai/a	128 oz/a	3-4 LEAF				
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF				
13 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	14.5 -	1434 abc	4286 abc	4804 abc
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF				
No AMS								
14 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	14.5 -	1548 ab	4626 ab	5185 ab
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF				
Choice	100 %	1.67 % v/v	2 pt/a	3-4 LEAF				
15 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	14.5 -	1305 bcd	3900 bcd	4371 bcd
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF				
Quest	100 %	0.25 % v/v	0.3 pt/a	3-4 LEAF				
16 Provisia	0.88 LBA/GAL	0.10 lb 7 ai/a	15.6 oz/a	3-4 LEAF	14.5 -	1308 bcd	3910 bcd	4382 bcd
Agri-Dex	100 %	1 % v/v	19.2 oz/a	3-4 LEAF				
Dry AMS	100 %	2 lb ai/a	2 lb/a	3-4 LEAF				
17 Nontreate d					14.5 -	0 h	0 h	0 h
LSD P=.05					.	299.9	896.5	1004.8
Standard Deviation					0.00	210.9	630.5	706.7
CV					0.0	18.11	18.11	18.11
Analyzed as					RCB	RCB	RCB	RCB
Replicate F					0.000	0.585	0.585	0.585
Replicate Prob(F)					1.0000	0.6275	0.6275	0.6275
Treatment F					0.000	18.495	18.495	18.495
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + RiceOne Comparison at EPOST

Experiment number..... : **C18-13**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL-01
 Planting date : 04/12/18
 Emergence date : 04/23/18
 Harvest date : 08/13/18

Application type.....	EPOST	LPOST
Date applied [mm/dd/yy]	05/8/18	05/21/18
Time [hh:mm-hh:mm]	9:15-9:30a	8:00-8:15a
Air/Soil temperature [F]	77/70	75/68
Relative humidity [%].....	57%	90%
Wind [mph, direction]	5-8 mph, NW	1-3 mph, ENE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist.....	wet/dry	dry/dry
Crop stage.....	2-3 lf	1-2 til
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/21	15/21
Applied by.....	MJO	MJO

Weed Species (population) :----- (height/#leaves) -----

ORYSA (50-100m ⁻²)	3-6"/3-4lf	4-8"/1-2 til
CL111 (65lb/acre)	4-6"/3-4lf	4-8"/1-2 til
CLXL745 (65lb/acre)	5-7"/3-4lf	4-8"/1-2 til
ECHCG (15-20m ⁻²).....	3-4"/3-4lf	4-8"/3-5lf
SEBEX (2-3m ⁻²).....	1-2"/2-3lf	3-5"/2-5lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood..... : 5/22/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: C18-13 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-13 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/15/18 INJURY % 7 DA EPOST 0	RICE May/22/18 INJURY % 14 DA EPOST 0	RICE May/29/18 INJURY % 7 DA LPOST 0	ECHCG May/15/18 CONTROL % 7 DA EPOST 0	ECHCG May/22/18 CONTROL % 14 DA EPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	No Provisia No Mix Partner								0 b	0 b	0 b	0 e	0 e
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
2	No Provisia Command 3ME								5 a	5 a	5 a	64 c	70 c
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
3	No Provisia Prowl H20								5 a	5 a	5 a	40 d	36 d
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
4	No Provisia Command 3ME								5 a	5 a	5 a	63 c	75 b
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		LPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
5	No Provisia RiceOne								5 a	5 a	5 a	69 b	78 b
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
6	Provisia No Mix Partner								5 a	5 a	5 a	93 a	99 a
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					
7	Provisia Command 3ME								5 a	5 a	5 a	92 a	98 a
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST					
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST					
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST					

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 a	5 a	5 a	94 a	98 a
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 a	5 a	5 a	92 a	98 a
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST					
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 a	5 a	5 a	92 a	98 a
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
LSD P=.05						.	.	.	4.5	3.6
Standard Deviation						0.0	0.0	0.0	3.1	2.5
CV						0.0	0.0	0.0	4.46	3.33
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	1.775	1.523
Replicate Prob(F)						1.0000	1.0000	1.0000	0.1757	0.2311
Treatment F						0.000	0.000	0.000	387.127	704.030
Treatment Prob(F)						1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: C18-13 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-13 Investigator: Eric P. Webster

Pest Code							ECHCG	CL111	CL111	CL111	CLXL745
Rating Date							May/29/18	May/15/18	May/22/18	May/29/18	May/15/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							7 DA LPOST	7 DA EPOST	14 DA EPOST	7 DA LPOST	7 DA EPOST
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	No Provisia										
	No Mix Partner										
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
2	No Provisia										
	Command	3	LB/GA L	0.3 lb ai/a		12.8 oz/a	EPOST				
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
3	No Provisia										
	Prowl H20	3.8	LB/GA L	24.3 fl oz/a		0.72 lb ai/a	EPOST				
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
4	No Provisia										
	Command	3	LB/GA L	0.3 lb ai/a		12.8 oz/a	EPOST				
	Prowl H20	3.8	LB/GA L	24.3 fl oz/a		0.72 lb ai/a	EPOST				
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	LPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
5	No Provisia										
	RiceOne	3.63	LB/GA L	36 fl oz/a		1.02 lb ai/a	EPOST				
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	EPOST				
	No Mix Partner										
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	EPOST				
	Command	3	LB/GA L	0.3 lb ai/a		12.8 oz/a	EPOST				
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	EPOST				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	LPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	LPOST				

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	99 a	80 a	99 a	98 b	83 a
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	98 a	83 a	99 a	99 a	83 a
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST					
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	98 a	83 a	99 a	98 b	83 a
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
LSD P=.05						2.4	3.0	0.5	0.5	3.0
Standard Deviation						1.7	2.0	0.3	0.3	2.1
CV						2.08	4.98	0.69	0.63	5.03
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						2.644	2.564	1.976	4.846	3.995
Replicate Prob(F)						0.0694	0.0755	0.1414	0.0080	0.0178
Treatment F						1361.094	1792.643	94368.814	111722.780	1757.792
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: C18-13 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-13 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CLXL745 May/22/18 CONTROL % 14 DA EPOST 0	CLXL745 May/29/18 CONTROL % 7 DA LPOST 0	ORZYA May/15/18 CONTROL % 7 DA EPOST 0	ORZYA May/22/18 CONTROL % 14 DA EPOST 0	ORZYA May/29/18 CONTROL % 7 DA LPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	No Provisia No Mix Partner								0 b	0 c	0 c	0 b	0 d
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
2	No Provisia Command 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	EPOST	0 b	0 c	0 c	0 b	0 d
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
3	No Provisia Prowl H20	3.8	LB/GA L	24.3	fl oz/a	0.72	lb ai/a	EPOST	0 b	0 c	0 c	0 b	0 d
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
4	No Provisia Command 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	EPOST	0 b	0 c	0 c	0 b	0 d
	Prowl H20	3.8	LB/GA L	24.3	fl oz/a	0.72	lb ai/a	EPOST					
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	LPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
5	No Provisia RiceOne	3.63	LB/GA L	36	fl oz/a	1.02	lb ai/a	EPOST	0 b	0 c	0 c	0 b	0 d
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
6	Provisia No Mix Partner	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	EPOST	99 a	98 b	71 ab	98 a	99 ab
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
7	Provisia Command 3ME	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	EPOST	99 a	98 ab	68 b	99 a	98 c
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	99 a	98 b	73 a	98 a	99 ab
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	99 a	99 a	73 a	99 a	99 a
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST					
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	99 a	98 b	74 a	99 a	98 bc
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
LSD P=.05						0.5	0.3	4.1	0.6	0.5
Standard Deviation						0.3	0.2	2.9	0.4	0.3
CV						0.65	0.48	7.98	0.77	0.69
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						4.784	1.678	1.739	1.385	1.161
Replicate Prob(F)						0.0084	0.1952	0.1828	0.2688	0.3427
Treatment F						105209.227	195935.664	698.386	74481.469	93703.461
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: C18-13 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-13 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							SEBEX May/15/18 CONTROL % 7 DA EPOST 0	SEBEX May/22/18 CONTROL % 14 DA EPOST 0	SEBEX May/22/18 CONTROL % 7 DA LPOST 0	RICE Aug/10/18 HEIGHT cm 80 DA LPOST 0	RICE Aug/10/18 HEIGHT cm 80 DA LPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	16*	17*	18*	19*	20*
1	No Provisia No Mix Partner								0 d	0 e	0 d	100 -	98 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
2	No Provisia Command 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	EPOST	5 d	5 d	5 d	101 -	105 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
3	No Provisia Prowl H20	3.8	LB/GA L	24.3	fl oz/a	0.72	lb ai/a	EPOST	35 b	31 bc	54 ab	102 -	101 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
4	No Provisia Command 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	EPOST	41 a	41 a	49 bc	100 -	103 -
	Prowl H20	3.8	LB/GA L	24.3	fl oz/a	0.72	lb ai/a	EPOST					
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	LPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
5	No Provisia RiceOne	3.63	LB/GA L	36	fl oz/a	1.02	lb ai/a	EPOST	29 c	35 b	56 a	100 -	100 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
6	Provisia No Mix Partner	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	EPOST	5 d	5 d	5 d	100 -	103 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					
7	Provisia Command 3ME	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	EPOST	5 d	5 d	5 d	100 -	102 -
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST					
	Provisia	0.88	LB/GA L	0.10	lb ai/a	15.5	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST					

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	35 b	28 c	46 c	103 -	102 -
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	39 ab	43 a	45 c	99 -	103 -
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST					
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	39 ab	30 c	54 ab	104 -	102 -
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
LSD P=.05						5.3	4.3	7.3	5.1	5.1
Standard Deviation						3.7	3.0	5.0	3.5	3.5
CV						15.76	13.26	15.77	3.48	3.42
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						2.793	0.096	1.477	2.581	0.794
Replicate Prob(F)						0.0594	0.9617	0.2431	0.0742	0.5080
Treatment F						87.745	127.149	94.991	0.838	1.260
Treatment Prob(F)						0.0001	0.0001	0.0001	0.5887	0.3024

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: C18-13 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-13 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Aug/10/18 HEIGHT cm 80 DA LPOST 0	RICE Aug/10/18 HEIGHT cm 80 DA LPOST 0	RICE Aug/10/18 AVG HEIGHT cm 80 DA LPOST 0	RICE Aug/13/18 WEIGHT g/plot 83 DA LPOST 0	RICE Aug/13/18 YIELD kg/ha 83 DA LPOST 0			
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	21*	22*	23*	24*	25*
1	No Provisia No Mix Partner									99 -	102 -	100 -	1170 c	4129 c
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
2	No Provisia Command 3ME	3	LB/GA L	0.3 lb ai/a		12.8 oz/a		EPOST		102 -	102 -	103 -	1207 bc	4261 bc
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
3	No Provisia Prowl H20	3.8	LB/GA L	24.3 fl oz/a		0.72 lb ai/a		EPOST		101 -	103 -	102 -	1139 c	4022 c
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
4	No Provisia Command 3ME	3	LB/GA L	0.3 lb ai/a		12.8 oz/a		EPOST		102 -	102 -	101 -	1431 b	5051 b
	Prowl H20	3.8	LB/GA L	24.3 fl oz/a		0.72 lb ai/a		EPOST						
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		LPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
5	No Provisia RiceOne	3.63	LB/GA L	36 fl oz/a		1.02 lb ai/a		EPOST		103 -	104 -	102 -	1429 b	5046 b
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
6	Provisia No Mix Partner	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		EPOST		103 -	104 -	102 -	1789 a	6317 a
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						
7	Provisia Command 3ME	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		EPOST		102 -	100 -	101 -	1782 a	6292 a
	Agri-Dex	100 %		1 % v/v		1.2 pt/a		EPOST						
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		LPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a		LPOST						

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	105 -	104 -	103 -	1823 a	6436 a
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	102 -	102 -	101 -	1747 a	6168 a
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST					
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	106 -	105 -	104 -	1792 a	6328 a
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST					
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST					
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST					
LSD P=.05						5.3	3.9	3.5	249.2	880.1
Standard Deviation						3.6	2.7	2.4	171.8	606.6
CV						3.53	2.62	2.39	11.22	11.22
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						5.890	4.405	3.958	0.736	0.736
Replicate Prob(F)						0.0031	0.0120	0.0184	0.5396	0.5396
Treatment F						1.006	1.003	0.955	11.138	11.138
Treatment Prob(F)						0.4591	0.4613	0.4967	0.0001	0.0001

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST							
Trial ID: C18-13		Location: RRS-Crowley, LA		Trial Year: 2018			
Protocol ID: C18-13		Investigator: Eric P. Webster					
Pest Code				RICE			
Rating Date				Aug/13/18			
Rating Type				YIELD			
Rating Unit				lb/ac			
Trt-Eval Interval				83 DA LPOST			
Number of Decimals				0			
Trt	Treatment	Form	Form	Rate	Other	Other	Growth
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit
							Stage
							26*
1 No Provisia							
No Mix Partner							
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
2 No Provisia							
	Command	3	LB/GA L	0.3 lb ai/a	12.8 oz/a		EPOST
	3ME						
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
3 No Provisia							
	Prowl H2O	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a		EPOST
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
4 No Provisia							
	Command	3	LB/GA L	0.3 lb ai/a	12.8 oz/a		EPOST
	3ME						
	Prowl H2O	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a		EPOST
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		LPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
5 No Provisia							
	RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a		EPOST
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
6 Provisia							
	No Mix Partner						
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST
7 Provisia							
	Command	3	LB/GA L	0.3 lb ai/a	12.8 oz/a		EPOST
	3ME						
	Agri-Dex	100 %		1 % v/v	1.2 pt/a		EPOST
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a		LPOST
	Agri-Dex	100 %		1 % v/v	19.2 oz/a		LPOST

8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5742 a
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5503 a
Command 3ME	3	LB/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	
Prowl H20	3.8	LB/GA L	24.3 fl oz/a	0.72 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5646 a
RiceOne	3.63	LB/GA L	36 fl oz/a	1.02 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
LSD P=.05						785.2
Standard Deviation						541.2
CV						11.22
Analyzed as						RCB
Replicate F						0.736
Replicate Prob(F)						0.5396
Treatment F						11.138
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Gambit at Reduced Rates

Experiment number..... : **C18-16**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/26/18
 Harvest date : 8/14/18
 Uniform Standard Treatment..... : Provisia @ 15.5 oz/A on 6/4/18

Application type : 3-4LF
 Date applied [mm/dd/yy] : 5/22/18
 Time [hh:mm-hh:mm] : 10:10-10:35a
 Air/Soil temperature [F] : 82/78
 Relative humidity [%]..... : 72%
 Wind [mph, direction] : 1-3,W
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist..... : dry/dry
 Crop stage..... : 3-4lf
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by..... : LCW

Weed Species (population) : (height/#leaves)-
 ECHCG (100-300m⁻²)..... : 3-6"/2-4lf
 CL111 (20-30m⁻²)..... : 4-6"/3-4lf
 CLXL745 (20-30m⁻²)..... : 4-6"/3-5lf
 ORYZA (20-30m⁻²) : 4-6"/3-5lf
 CYPES (1-10m⁻²) : 3-8"/2-6lf
 CYP1R(50-75m⁻²)..... : 1-3"/1-3lf
 SEBEX (1-5m⁻²)..... : 2-3"/1-2lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood..... : 5/23/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	ECHCG	
Rating Date								Jun/5/18	Jun/19/18	Jul/2/18	Jul/16/18	Jun/5/18	
Rating Type								INJURY	INJURY	INJURY	INJURY	CONTROL	
Rating Unit								%	%	%	%	%	
Trt-Eval Interval								14 DA 3-4LF	28 DA 3-4LF	41 DA 3-4LF	55 DA 3-4LF	14 DA 3-4LF	
Number of Decimals								0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	No Provisia								0 -	0 -	0 -	0 -	0 f
	No Mix												
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
2	No Provisia								0 -	0 -	0 -	0 -	0 f
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
3	No Provisia								0 -	0 -	0 -	0 -	0 f
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
4	No Provisia								0 -	0 -	0 -	0 -	0 f
	Permit	75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
5	No Provisia								0 -	0 -	0 -	0 -	0 f
	Permit	75	%	0.031	lb 4 ai/a	0.67	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
6	No Provisia								0 -	0 -	0 -	0 -	0 f
	Peak	57	%	0.027	lb ai/a	0.76	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
7	No Provisia								0 -	0 -	0 -	0 -	0 f
	Peak	57	%	0.018	lb 2 ai/a	0.51	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	2 WAMPOST					

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	94 a
No Mix										
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	71 d
Gambit	79 %		0.074 lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	87 b
Gambit	79 %		0.049 lb 4 ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	64 e
Permit	75 %		0.047 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	82 c
Permit	75 %		0.031 lb 4 ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	90 ab
Peak	57 %		0.027 lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	93 a
Peak	57 %		0.018 lb 2 ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05						.	.	.	.	5.3
Standard Deviation						0.0	0.0	0.0	0.0	3.7
CV						0.0	0.0	0.0	0.0	9.0
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.000	0.560
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.6447
Treatment F						0.000	0.000	0.000	0.000	549.026
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code	ECHCG	ECHCG	ECHCG	CL111	CL111
Rating Date	Jun/19/18	Jul/2/18	Jul/16/18	Jun/5/18	Jun/19/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	28 DA 3-4LF	41 DA 3-4LF	55 DA 3-4LF	14 DA 3-4LF	28 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	6*	7*	8*	9*	10*
1 No Provisia No Mix	91 -	94 -	97 -	0 d	96 -
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
2 No Provisia	97 -	97 -	96 -	0 d	98 -
Gambit 79 % 0.074 lb ai/a 1.5 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
3 No Provisia	98 -	97 -	97 -	0 d	98 -
Gambit 79 % 0.049 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
4 No Provisia	98 -	96 -	98 -	0 d	98 -
Permit 75 % 0.047 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
5 No Provisia	99 -	96 -	96 -	0 d	97 -
Permit 75 % 0.031 lb ai/a 0.67 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
6 No Provisia	96 -	95 -	96 -	0 d	97 -
Peak 57 % 0.027 lb ai/a 0.76 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
7 No Provisia	98 -	93 -	95 -	0 d	98 -
Peak 57 % 0.018 lb ai/a 0.51 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA 0.107 lb 15.5 oz/a 2 WAMPOST					

Agri-Dex	100 %	L	ai/a	1 % v/v	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	99 -	98 -	94 a	96 -
No Mix		L		ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	98 -	98 -	91 abc	97 -
Gambit	79 %	L	0.074	lb	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
10 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	98 -	98 -	93 ab	98 -
Gambit	79 %	L	0.049	lb	1 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
11 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	99 -	98 -	88 c	99 -
Permit	75 %	L	0.047	lb	1 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
12 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	98 -	98 -	91 bc	97 -
Permit	75 %	L	0.031	lb	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
13 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	99 -	98 -	97 -	95 a	98 -
Peak	57 %	L	0.027	lb	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
14 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	3-4 LEAF	98 -	98 -	98 -	95 a	98 -
Peak	57 %	L	0.018	lb	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %			ai/a							
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %	L		ai/a	19.2 fl oz/a	3-4 LEAF					
LSD P=.05							4.8	4.5	3.4	3.3	3.9
Standard Deviation							3.4	3.2	2.4	2.3	2.7
CV							3.45	3.28	2.47	4.99	2.78
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							0.521	0.533	6.066	4.357	0.322
Replicate Prob(F)							0.6702	0.6620	0.0017	0.0097	0.8093
Treatment F							1.247	1.232	0.539	1732.346	0.430
Treatment Prob(F)							0.2855	0.2951	0.8854	0.0001	0.9486

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code	CL111	CL111	CLXL745	CLXL745	CLXL745
Rating Date	Jul/2/18	Jul/16/18	Jun/5/18	Jun/19/18	Jul/2/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	41 DA 3-4LF	55 DA 3-4LF	14 DA 3-4LF	28 DA 3-4LF	41 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Unit Stage	11*	12*	13*	14*	15*
1 No Provisia No Mix	98 -	95 -	0 e	96 -	97 -
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
2 No Provisia	97 -	94 -	0 e	99 -	99 -
Gambit 79 % 0.074 lb ai/a 1.5 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
3 No Provisia	98 -	94 -	0 e	97 -	98 -
Gambit 79 % 0.049 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
4 No Provisia	98 -	95 -	0 e	98 -	98 -
Permit 75 % 0.047 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
5 No Provisia	98 -	97 -	0 e	99 -	98 -
Permit 75 % 0.031 lb ai/a 0.67 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
6 No Provisia	97 -	95 -	0 e	98 -	98 -
Peak 57 % 0.027 lb ai/a 0.76 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
7 No Provisia	98 -	97 -	0 e	98 -	97 -
Peak 57 % 0.018 lb ai/a 0.51 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA 0.107 lb 15.5 oz/a 2 WAMPOST					

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	97 -	96 a	97 -	98 -
No Mix										
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	98 -	91 c	98 -	97 -
Gambit	79 %		0.074 lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	98 -	94 ab	97 -	97 -
Gambit	79 %		0.049 lb 4 ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	97 -	98 -	88 d	98 -	98 -
Permit	75 %		0.047 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	97 -	92 bc	98 -	98 -
Permit	75 %		0.031 lb 4 ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	98 -	95 a	97 -	97 -
Peak	57 %		0.027 lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 -	98 -	93 abc	98 -	98 -
Peak	57 %		0.018 lb 2 ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05						2.1	3.8	2.6	3.0	1.9
Standard Deviation						1.5	2.6	1.8	2.1	1.3
CV						1.53	2.75	3.89	2.16	1.35
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						3.613	7.381	2.450	0.219	2.360
Replicate Prob(F)						0.0215	0.0005	0.0779	0.8824	0.0863
Treatment F						0.296	1.476	2851.353	0.519	0.975
Treatment Prob(F)						0.9893	0.1705	0.0001	0.8991	0.4921

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code	CLXL745	ORYZA	ORYZA	ORYZA	ORYZA
Rating Date	Jul/16/18	Jun/5/18	Jun/19/18	Jul/2/18	Jul/16/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	55 DA 3-4LF	14 DA 3-4LF	28 DA 3-4LF	41 DA 3-4LF	55 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Unit Stage	16*	17*	18*	19*	20*
1 No Provisia No Mix	97 a-d	0 c	98 -	98 -	98 -
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
2 No Provisia	96 b-e	0 c	99 -	98 -	97 -
Gambit 79 % 0.074 lb ai/a 1.5 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
3 No Provisia	94 e	0 c	97 -	98 -	98 -
Gambit 79 % 0.049 lb 4 ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
4 No Provisia	95 de	0 c	98 -	97 -	98 -
Permit 75 % 0.047 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
5 No Provisia	96 cde	0 c	97 -	98 -	98 -
Permit 75 % 0.031 lb 4 ai/a 0.67 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
6 No Provisia	94 de	0 c	97 -	98 -	98 -
Peak 57 % 0.027 lb ai/a 0.76 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
7 No Provisia	95 cde	0 c	97 -	98 -	98 -
Peak 57 % 0.018 lb 2 ai/a 0.51 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA 0.107 lb 15.5 oz/a 2 WAMPOST					

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	96 a	97 -	96 -	97 -
No Mix										
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 ab	93 ab	99 -	98 -	98 -
Gambit	79 %		0.074 lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	96 a	97 -	98 -	98 -
Gambit	79 %		0.049 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	96 cde	91 b	98 -	97 -	97 -
Permit	75 %		0.047 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	96 cde	95 ab	98 -	98 -	98 -
Permit	75 %		0.031 lb ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 abc	94 ab	97 -	97 -	96 -
Peak	57 %		0.027 lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 abc	91 b	97 -	97 -	97 -
Peak	57 %		0.018 lb ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05						2.9	4.3	2.3	1.9	2.9
Standard Deviation						2.0	3.0	1.6	1.3	2.1
CV						2.12	6.43	1.62	1.36	2.1
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						10.419	4.713	0.810	5.195	1.588
Replicate Prob(F)						0.0001	0.0067	0.4962	0.0041	0.2078
Treatment F						3.073	1043.864	0.697	0.781	0.507
Treatment Prob(F)						0.0033	0.0001	0.7541	0.6748	0.9068

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	CYPES
Rating Date	Jun/5/18	Jun/19/18	Jul/2/18	Jul/16/18	Jun/5/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	14 DA 3-4LF	28 DA 3-4LF	41 DA 3-4LF	55 DA 3-4LF	14 DA 3-4LF
Number of Decimals	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth					
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	21*	22*	23*	24*	25*
1 No Provisia No Mix	0 d	0 b	0 d	0 d	0 d
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
2 No Provisia	96 bc	97 a	96 c	95 bc	97 a
Gambit 79 % 0.074 lb ai/a 1.5 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
3 No Provisia	97 abc	97 a	98 ab	95 c	97 a
Gambit 79 % 0.049 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
4 No Provisia	97 abc	96 a	97 bc	97 abc	97 a
Permit 75 % 0.047 lb ai/a 1 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
5 No Provisia	97 ab	96 a	99 a	95 c	97 a
Permit 75 % 0.031 lb ai/a 0.67 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
6 No Provisia	95 c	97 a	98 ab	96 abc	98 a
Peak 57 % 0.027 lb ai/a 0.76 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA L 0.107 lb ai/a 15.5 oz/a 2 WAMPOST					
Agri-Dex 100 % 1 % v/v 19.2 oz/a 2 WAMPOST					
7 No Provisia	99 a	98 a	98 ab	96 abc	98 a
Peak 57 % 0.018 lb ai/a 0.51 oz/a 3-4 LEAF					
Agri-Dex 100 % 1 % v/v 19.2 fl oz/a 3-4 LEAF					
Provisia 0.88 LB/GA 0.107 lb 15.5 oz/a 2 WAMPOST					

Agri-Dex	100 %	L	ai/a	1 % v/v	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	0 d	0 b	0 d	0 d	0 d
No Mix											
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	99 a	97 a	99 a	98 abc	90 c
Gambit	79 %		0.074	lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	97 ab	98 a	98 ab	96 abc	95 ab
Gambit	79 %		0.049	lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	98 ab	97 a	97 bc	97 abc	90 bc
Permit	75 %		0.047	lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	98 a	98 a	99 a	98 ab	98 a
Permit	75 %		0.031	lb ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	98 ab	98 a	98 ab	97 abc	0 d
Peak	57 %		0.027	lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	97 abc	99 a	0 d
Peak	57 %		0.018	lb ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %			1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %			1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05							2.5	2.8	1.8	3.3	4.8
Standard Deviation							1.7	2.0	1.2	2.3	3.4
CV							2.06	2.39	1.47	2.76	4.94
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							1.074	2.822	1.562	2.397	0.910
Replicate Prob(F)							0.3713	0.0513	0.2140	0.0828	0.4451
Treatment F							1694.941	1255.553	3346.672	944.036	709.754
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPES Jun/19/18 CONTROL %	CYPES Jul/2/18 CONTROL %	CYPES Jul/16/18 CONTROL %	CYPIR Jun/5/18 CONTROL %	CYPIR Jun/19/18 CONTROL %
						28 DA 3-4LF 0	41 DA 3-4LF 0	55 DA 3-4LF 0	14 DA 3-4LF 0	28 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	No Provisia No Mix									
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
2	No Provisia									
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
3	No Provisia									
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
4	No Provisia									
	Permit	75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
5	No Provisia									
	Permit	75	%	0.031	lb 4 ai/a	0.67	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
6	No Provisia									
	Peak	57	%	0.027	lb ai/a	0.76	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST		
7	No Provisia									
	Peak	57	%	0.018	lb 2 ai/a	0.51	oz/a	3-4 LEAF		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF		
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	2 WAMPOST		

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	0 d	0 d	0 c
No Mix										
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	98 abc	94 bc	98 a
Gambit	79 %		0.074 lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	97 b	98 a	97 c	96 ab	99 a
Gambit	79 %		0.049 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	98 abc	92 c	98 a
Permit	75 %		0.047 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	98 a	99 a	99 a	98 a
Permit	75 %		0.031 lb ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	0 d	0 d	0 c
Peak	57 %		0.027 lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	0 c	0 b	0 d	0 d	0 c
Peak	57 %		0.018 lb ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05						1.4	1.6	1.4	3.1	4.2
Standard Deviation						1.0	1.1	1.0	2.2	2.9
CV						1.72	2.02	1.78	3.16	5.22
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.567	0.387	1.893	1.250	0.182
Replicate Prob(F)						0.2127	0.7629	0.1467	0.3050	0.9082
Treatment F						10975.685	7894.150	10212.086	1728.127	1152.491
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPIR Jul/2/18 CONTROL %	CYPIR Jul/16/18 CONTROL %	RICE Aug/14/18 HEIGHTS cm	RICE Aug/14/18 HEIGHTS cm	RICE Aug/14/18 HEIGHTS cm	RICE Aug/14/18 HEIGHTS cm
Trt Treatment Form Form Rate Other Other Growth							41 DA 3-4LF 0	55 DA 3-4LF 0	At Harvest 0	At Harvest 0	At Harvest 0	At Harvest 0
No.	Name	Conc	Unit	Rate	Unit	Rate Unit	Stage					
1	No Provisia No Mix							0 b	0 b	81 b	84 bc	86 c
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
2	No Provisia							98 a	99 a	84 b	82 bc	80 d
	Gambit	79	%	0.074	lb ai/a	1.5 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
3	No Provisia							97 a	98 a	85 b	85 b	85 c
	Gambit	79	%	0.049	lb ai/a	1 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
4	No Provisia							98 a	98 a	83 b	85 b	85 c
	Permit	75	%	0.047	lb ai/a	1 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
5	No Provisia							98 a	97 a	84 b	84 bc	82 cd
	Permit	75	%	0.031	lb ai/a	0.67 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
6	No Provisia							0 b	0 b	84 b	84 bc	82 cd
	Peak	57	%	0.027	lb ai/a	0.76 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	2 WAMPOST					
7	No Provisia							0 b	0 b	80 b	80 c	83 cd
	Peak	57	%	0.018	lb ai/a	0.51 oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	2 WAMPOST					

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST						
8 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	0 b	0 b	97 a	98 a	101 a	100 a
No Mix		L	lb								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST						
			1 % v/v								
9 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	98 a	97 a	98 a	94 a	98 ab	97 a
Gambit	79 %	L	lb	1.5 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 oz/a	2 WAMPOST						
			ai/a								
			1 % v/v								
10 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	98 a	98 a	98 a	99 a	96 ab	98 a
Gambit	79 %	L	lb	1 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 fl oz/a	3-4 LEAF						
			ai/a								
			1 % v/v								
11 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	98 a	98 a	95 a	95 a	94 b	96 a
Permit	75 %	L	lb	1 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 oz/a	2 WAMPOST						
			ai/a								
			1 % v/v								
12 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	99 a	98 a	94 a	97 a	99 ab	97 a
Permit	75 %	L	lb	0.67 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 fl oz/a	3-4 LEAF						
			ai/a								
			1 % v/v								
13 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	0 b	0 b	96 a	96 a	96 ab	97 a
Peak	57 %	L	lb	0.76 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 oz/a	2 WAMPOST						
			ai/a								
			1 % v/v								
14 Provisia	0.88	LB/GA	0.107	15.5 oz/a	3-4 LEAF	0 b	0 b	97 a	98 a	97 ab	97 a
Peak	57 %	L	lb	0.51 oz/a	3-4 LEAF						
Agri-Dex	100 %		ai/a								
Provisia	0.88	LB/GA	0.107	15.5 oz/a	2 WAMPOST						
Agri-Dex	100 %	L	lb	19.2 fl oz/a	3-4 LEAF						
			ai/a								
			1 % v/v								
LSD P=.05						1.5	1.6	6.1	5.2	5.2	5.2
Standard Deviation						1.1	1.1	4.3	3.6	3.7	3.6
CV						1.91	2.0	4.76	4.01	4.06	4.01
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						0.438	1.699	0.577	8.267	9.654	6.115
Replicate Prob(F)						0.7269	0.1831	0.6336	0.0002	0.0001	0.0016
Treatment F						8868.401	8071.970	11.652	15.285	17.667	18.439
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

C18-16 Provisia + Gambit at Reduced Rates

Trial ID: C18-16 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-16 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Aug/14/18 AVG HEIGHTS cm At Harvest 0	RICE Aug/14/18 MOISTURE % At Harvest 1	RICE Aug/14/18 YIELD g At Harvest 0	RICE Aug/14/18 YIELD lb/a At Harvest 0	RICE Aug/14/18 YIELD kg/ha At Harvest 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	37*	38*	39*	40*	41*
1	No Provisia No Mix								83 bc	14.5 -	665 e	2086 e	2339 e
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
2	No Provisia								82 c	14.5 -	731 de	2293 de	2570 de
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
3	No Provisia								86 b	14.5 -	957 cd	3000 cd	3362 cd
	Gambit	79	%	0.049	lb ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
4	No Provisia								84 bc	14.5 -	1050 bc	3294 bc	3692 bc
	Permit	75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
5	No Provisia								82 bc	14.5 -	1253 ab	3930 ab	4405 ab
	Permit	75	%	0.031	lb ai/a	0.67	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
6	No Provisia								83 bc	14.5 -	674 de	2114 de	2369 de
	Peak	57	%	0.027	lb ai/a	0.76	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	2 WAMPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	2 WAMPOST					
7	No Provisia								82 c	14.5 -	711 de	2230 de	2499 de
	Peak	57	%	0.018	lb ai/a	0.51	oz/a	3-4 LEAF					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	3-4 LEAF					
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	2 WAMPOST					

Agri-Dex	100 %	L	ai/a	19.2 oz/a	2 WAMPOST					
8 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	99 a	14.5 -	1335 ab	4185 ab	4691 ab
No Mix										
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
9 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	97 a	14.5 -	1378 a	4320 a	4842 a
Gambit	79 %		0.074 lb ai/a	1.5 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
10 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	98 a	14.5 -	1382 a	4333 a	4856 a
Gambit	79 %		0.049 lb 4 ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
11 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	95 a	14.5 -	1352 a	4241 a	4754 a
Permit	75 %		0.047 lb ai/a	1 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
12 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	97 a	14.5 -	1308 ab	4102 ab	4597 ab
Permit	75 %		0.031 lb 4 ai/a	0.67 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
13 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	96 a	14.5 -	1275 ab	3999 ab	4482 ab
Peak	57 %		0.027 lb ai/a	0.76 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
14 Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	3-4 LEAF	97 a	14.5 -	1356 a	4254 a	4768 a
Peak	57 %		0.018 lb 2 ai/a	0.51 oz/a	3-4 LEAF					
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF					
Provisia	0.88	LB/GA L	0.107 lb ai/a	15.5 oz/a	2 WAMPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	2 WAMPOST					
LSD P=.05						4.0	.	285.7	896.1	1004.3
Standard Deviation						2.8	0.00	199.8	626.5	702.2
CV						3.1	0.0	18.13	18.13	18.13
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						7.220	0.000	5.053	5.053	5.053
Replicate Prob(F)						0.0006	1.0000	0.0047	0.0047	0.0047
Treatment F						27.652	0.000	8.626	8.626	8.626
Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Permit and Permit Plus Mixtures

Experiment number : **C18-17**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 4
 Plot size : 5'x17'
 Row width/# per plot : 7.5"/8
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL01
 Planting date : 4/12/18
 Emergence date : 4/23/18
 Harvest date : 8/14/18
 Uniform Standard Treatment ... : Provisia @ 15.5 oz/A on 6/4/18

Application type : MPOST
 Date applied [mm/dd/yy] : 5/14/18
 Time [hh:mm-hh:mm] : 1:00-1:15p
 Air/Soil temperature [F] : 88/73
 Relative humidity [%] : 51%
 Wind [mph, direction] : 3-6, NNW
 Weather [sunny, etc] : sunny
 Soil/Leaf surface moist : dry/dry
 Crop stage : 3-4lf
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by : MJO

Weed Species (population) : (height/#leaves) -
 ECHCG (100-200m⁻²) : 4-6"/3-5lf
 CL111 (20-30m⁻²) : 6-8"/3-4lf
 CLXL745 (20-30m⁻²) : 6-8"/3-4lf
 ORYZA (20-30m⁻²) : 6-8"/3-4lf
 SEBEX(1-5m⁻²) : 1-2"/1-2lf
 CYPES (1-10m⁻²) : 4-6"/3-6lf
 CYPPIR (20-30m⁻²) : 1-2"/1-2lf

Flush Dates : 5/4/18, 5/15/18
 Permanent Flood : 5/23/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code								RICE	RICE	RICE	RICE	
Rating Date								May/28/18	Jun/8/18	Jun/25/18	Jul/10/18	
Rating Type								INJURY	INJURY	INJURY	INJURY	
Rating Unit								%	%	%	%	
Trt-Eval Interval								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST	
Number of Decimals								0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*
1	No Provisia								0 -	0 -	0 -	0 -
	No Permit											
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
2	No Provisia								0 -	0 -	0 -	0 -
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
3	No Provisia								0 -	0 -	0 -	0 -
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
4	No Provisia								0 -	0 -	0 -	0 -
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
5	No Provisia								0 -	0 -	0 -	0 -
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
6	No Provisia								0 -	0 -	0 -	0 -
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 -	0 -	0 -	0 -
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
LSD P=.05							0.0	0.0	0.0	0.0
Standard Deviation							0.0	0.0	0.0	0.0
CV										
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							0.000	0.000	0.000	0.000
Replicate Prob(F)							1.0000	1.0000	1.0000	1.0000
Treatment F							0.000	0.000	0.000	0.000
Treatment Prob(F)							1.0000	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ECHCG May/28/18 CONTROL % 14 DA MPOST 0	ECHCG Jun/8/18 CONTROL % 25 DA MPOST 0	ECHCG Jun/25/18 CONTROL % 42 DA MPOST 0	ECHCG Jul/10/18 CONTROL % 57 DA MPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	5*	6*	7*	8*
1	No Provisia No Permit								0 d	83 d	92 c	91 cd
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
2	No Provisia Permit								0 d	81 d	93 bc	91 bcd
		75	%	0.047	lb ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
3	No Provisia Permit								0 d	82 d	93 abc	92 a-d
		75	%	0.031	lb ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
4	No Provisia Permit								0 d	83 d	93 bc	91 bcd
		75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
5	No Provisia Permit Plus								0 d	83 d	92 bc	90 d
		74	%	0.046	lb 3 ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
6	No Provisia Permit Plus								0 d	83 d	93 bc	91 bcd
		74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 a	98 a	97 abc	98 a
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	85 b	95 ab	98 a	98 a
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	83 b	94 ab	97 ab	97 abc
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	84 b	93 b	98 a	97 ab
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	78 c	88 c	98 a	98 a
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	83 b	95 ab	98 a	98 a
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
LSD P=.05							4.8	4.2	5.2	6.7
Standard Deviation							3.3	2.9	3.6	4.6
CV							7.77	3.33	3.77	4.93
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							1.820	2.365	2.055	2.155
Replicate Prob(F)							0.1627	0.0889	0.1253	0.1120
Treatment F							730.537	18.835	2.343	2.474
Treatment Prob(F)							0.0001	0.0001	0.0290	0.0219

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code								CL111 May/28/18	CL111 Jun/8/18	CL111 Jun/25/18	CL111 Jul/10/18
Rating Date								CONTROL	CONTROL	CONTROL	CONTROL
Rating Type								%	%	%	%
Rating Unit								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST
Trt-Eval Interval								0	0	0	0
Number of Decimals											
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage			
1	No Provisia No Permit							0 d	81 d	94 b	97 -
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
2	No Provisia							0 d	84 cd	99 a	99 -
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
3	No Provisia							0 d	82 d	98 a	96 -
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
4	No Provisia							0 d	82 d	98 a	98 -
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
5	No Provisia							0 d	81 d	98 a	98 -
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
6	No Provisia							0 d	81 d	98 a	98 -
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 a	98 a	98 a	98 -
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	86 bc	93 ab	99 a	99 -
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	84 bc	91 b	97 a	97 -
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	89 b	92 ab	98 a	99 -
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	81 c	83 d	97 a	98 -
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	85 bc	89 bc	97 a	98 -
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
LSD P=.05						5.2	5.8	2.2	1.8	
Standard Deviation						3.6	4.0	1.6	1.3	
CV						8.31	4.67	1.6	1.3	
Analyzed as						RCB	RCB	RCB	RCB	
Replicate F						1.978	0.719	0.509	1.075	
Replicate Prob(F)						0.1364	0.5479	0.6785	0.3732	
Treatment F						636.942	8.556	2.561	1.386	
Treatment Prob(F)						0.0001	0.0001	0.0181	0.2253	

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code								CLXL745	CLXL745	CLXL745	CLXL745	
Rating Date								May/28/18	Jun/8/18	Jun/25/18	Jul/10/18	
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit								%	%	%	%	
Trt-Eval Interval								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST	
Number of Decimals								0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	13*	14*	15*	16*
1	No Provisia								0 e	83 de	94 c	96 -
	No Permit											
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
2	No Provisia								0 e	82 e	99 a	99 -
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
3	No Provisia								0 e	82 e	98 ab	98 -
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
4	No Provisia								0 e	82 e	98 ab	98 -
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
5	No Provisia								0 e	81 e	96 bc	98 -
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
6	No Provisia								0 e	82 e	96 bc	98 -
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 a	98 a	98 ab	98 -
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	81 cd	94 ab	98 ab	98 -
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	88 b	91 bc	98 ab	99 -
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	87 b	89 bc	99 a	97 -
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	80 d	83 de	98 ab	99 -
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	86 bc	88 cd	98 ab	98 -
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
LSD P=.05							5.2	5.4	2.0	2.5
Standard Deviation							3.6	3.7	1.4	1.7
CV							8.29	4.33	1.44	1.77
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							1.358	1.421	4.014	2.012
Replicate Prob(F)							0.2726	0.2542	0.0153	0.1314
Treatment F							641.732	9.112	3.171	0.649
Treatment Prob(F)							0.0001	0.0001	0.0050	0.7737

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ORYZA May/28/18 CONTROL % 14 DA MPOST 0	ORYZA Jun/8/18 CONTROL % 25 DA MPOST 0	ORYZA Jun/25/18 CONTROL % 42 DA MPOST 0	ORYZA Jul/10/18 CONTROL % 57 DA MPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	17*	18*	19*	20*
1	No Provisia No Permit								0 d	82 c	96 -	97 -
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
2	No Provisia Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST	0 d	82 c	98 -	99 -
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
3	No Provisia Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST	0 d	82 c	98 -	98 -
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
4	No Provisia Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST	0 d	82 c	97 -	98 -
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
5	No Provisia Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST	0 d	82 c	98 -	98 -
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				
6	No Provisia Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST	0 d	81 c	98 -	99 -
	Agri-Dex	100	%	1	% v/v			MPOST				
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST				

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	99 a	98 a	98 -	99 -
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	87 b	95 ab	98 -	98 -
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	88 b	94 ab	98 -	99 -
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	88 b	92 b	99 -	96 -
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	83 c	91 b	98 -	98 -
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	86 b	94 ab	98 -	98 -
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
LSD P=.05							3.4	5.2	1.9	2.5
Standard Deviation							2.3	3.6	1.3	1.7
CV							5.27	4.14	1.34	1.78
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							0.751	5.396	1.907	0.463
Replicate Prob(F)							0.5294	0.0039	0.1477	0.7102
Treatment F							1583.870	13.038	0.849	0.663
Treatment Prob(F)							0.0001	0.0001	0.5953	0.7615

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								May/28/18	Jun/8/18	Jun/25/18	Jul/10/18
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST
Number of Decimals								0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	No Provisia										
	No Permit										
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
2	No Provisia										
	Permit	75	%	0.047	lb	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
3	No Provisia										
	Permit	75	%	0.031	lb	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
4	No Provisia										
	Permit	75	%	0.015	lb	0.33	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
5	No Provisia										
	Permit Plus	74	%	0.046	lb	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
6	No Provisia										
	Permit Plus	74	%	0.030	lb	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 d	0 c	0 b	0 b
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 bc	97 ab	98 a	98 a
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	99 a	97 ab	98 a	99 a
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 ab	97 b	98 a	96 a
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 ab	97 ab	97 a	99 a
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 abc	99 a	98 a	98 a
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST					
LSD P=.05							1.8	1.9	1.9	2.5
Standard Deviation							1.3	1.3	1.3	1.7
CV							1.57	1.65	1.64	2.11
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							1.131	2.200	1.008	0.449
Replicate Prob(F)							0.3508	0.1066	0.4013	0.7197
Treatment F							3562.972	3220.817	3241.596	1956.541
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures			
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-17	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code								CYPIR May/28/18	CYPIR Jun/8/18	CYPIR Jun/25/18	CYPIR Jul/10/18
Rating Date								CONTROL	CONTROL	CONTROL	CONTROL
Rating Type								%	%	%	%
Rating Unit								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST
Trt-Eval Interval								0	0	0	0
Number of Decimals											
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	No Provisia No Permit										
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	0 b	0 b	0 b
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			0 c
2	No Provisia								97 a	97 a	99 a
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			
3	No Provisia								97 a	97 a	98 a
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			98 ab
4	No Provisia								97 a	97 a	99 a
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			98 ab
5	No Provisia								97 a	98 a	97 a
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			98 ab
6	No Provisia								98 a	99 a	98 a
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v			MPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST			98 ab

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 b	0 b	0 b	0 c
No Permit										
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 a	98 a	98 a	98 ab
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 a	97 a	97 a	99 ab
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 a	97 a	98 a	98 b
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 a	98 a	98 a	98 ab
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	97 a	97 a	98 a	98 ab
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST				
Agri-Dex	100 %		1 % v/v			MPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST				
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST				
LSD P=.05							2.5	2.1	1.8	1.2
Standard Deviation							1.7	1.5	1.2	0.9
CV							2.13	1.83	1.5	1.05
Analyzed as							RCB	RCB	RCB	RCB
Replicate F							2.270	1.248	1.803	1.620
Replicate Prob(F)							0.0986	0.3081	0.1658	0.2034
Treatment F							1931.117	2615.382	3887.862	7970.179
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures					
Trial ID: C18-17	Location: RRS-Crowley, LA	Trial Year: 2018			
Protocol ID: C18-17	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code								CYPES	CYPES	CYPES	CYPES	RICE	
Rating Date								May/28/18	Jun/8/18	Jun/25/18	Jul/10/18	Aug/10/18	
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	HEIGHTS	
Rating Unit								%	%	%	%	cm	
Trt-Eval Interval								14 DA MPOST	25 DA MPOST	42 DA MPOST	57 DA MPOST	At Harvest	
Number of Decimals								0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	29*	30*	31*	32*	33*
1	No Provisia								0 c	0 c	0 b	0 b	81 d
	No Permit												
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					
2	No Provisia								97 ab	97 b	98 a	99 a	83 cd
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v			MPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					
3	No Provisia								96 ab	98 ab	98 a	98 a	88 c
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v			MPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					
4	No Provisia								97 ab	97 ab	99 a	98 a	84 cd
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v			MPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					
5	No Provisia								96 ab	98 ab	98 a	99 a	85 cd
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v			MPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					
6	No Provisia								97 a	97 ab	99 a	98 a	87 c
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v			MPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST					

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	0 c	0 c	0 b	0 b	103 ab
No Permit											
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	98 a	99 a	98 a	98 a	101 b
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST					
Agri-Dex	100 %		1 % v/v			MPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	99 a	98 ab	99 a	98 a	107 a
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST					
Agri-Dex	100 %		1 % v/v			MPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	93 b	98 ab	98 a	98 a	101 b
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST					
Agri-Dex	100 %		1 % v/v			MPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	96 ab	99 a	98 a	98 a	102 ab
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST					
Agri-Dex	100 %		1 % v/v			MPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	99 a	98 ab	97 a	99 a	104 ab
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST					
Agri-Dex	100 %		1 % v/v			MPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST					
Agri-Dex	100 %		1 % v/v	19.2 oz/a	3 WA MPOST						
LSD P=.05							4.3	1.7	1.8	1.6	5.4
Standard Deviation							3.0	1.2	1.3	1.1	3.8
CV							3.72	1.47	1.56	1.37	4.02
Analyzed as							RCB	RCB	RCB	RCB	RCB
Replicate F							0.479	0.852	1.178	1.350	0.288
Replicate Prob(F)							0.6993	0.4755	0.3332	0.2751	0.8339
Treatment F							632.610	4042.331	3584.038	4661.656	27.046
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures

Trial ID: C18-17 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-17 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE	
Rating Date								Aug/10/18	Aug/10/18	Aug/10/18	Aug/10/18	Aug/14/18	Aug/14/18	
Rating Type								HEIGHTS	HEIGHTS	HEIGHTS	AVG HEIGHTS	MOISTURE	YIELD	
Rating Unit								cm	cm	cm	cm	%	g	
Trt-Eval Interval								At Harvest	At Harvest	At Harvest	At Harvest	At Harvest	At Harvest	
Number of Decimals								0	0	0	0	1	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	34*	35*	36*	37*	38*	39*
1	No Provisia								80 c	83 c	77 c	80 c	14.7 -	1007 cd
	No Permit													
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						
2	No Provisia								89 b	87 bc	89 b	87 b	14.7 -	753 de
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v			MPOST						
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						
3	No Provisia								88 b	92 b	88 b	89 b	14.7 -	1038 c
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v			MPOST						
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						
4	No Provisia								86 bc	88 bc	87 b	86 b	14.7 -	708 e
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v			MPOST						
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						
5	No Provisia								84 bc	84 c	87 b	85 b	14.7 -	749 de
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v			MPOST						
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						
6	No Provisia								87 b	89 bc	84 bc	87 b	14.7 -	978 cde
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v			MPOST						
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST						

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	104 a	106 a	101 a	103 a	14.7 -	1315 b
No Permit												
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	103 a	103 a	104 a	103 a	14.7 -	1500 ab
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST						
Agri-Dex	100 %		1	% v/v		MPOST						
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	101 a	105 a	104 a	104 a	14.7 -	1498 ab
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST						
Agri-Dex	100 %		1	% v/v		MPOST						
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	101 a	102 a	105 a	102 a	14.7 -	1354 ab
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST						
Agri-Dex	100 %		1	% v/v		MPOST						
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	102 a	103 a	100 a	102 a	14.7 -	1426 ab
Permit	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST						
Agri-Dex	100 %		1	% v/v		MPOST						
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	103 a	104 a	106 a	104 a	14.7 -	1613 a
Permit	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST						
Agri-Dex	100 %		1	% v/v		MPOST						
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST						
Agri-Dex	100 %		1	% v/v	19.2 oz/a	3 WA MPOST						
LSD P=.05							6.3	6.5	6.9	4.4	.	272.0
Standard Deviation							4.3	4.5	4.8	3.0	0.00	189.0
CV							4.63	4.72	5.13	3.22	0.0	16.28
Analyzed as							RCB	RCB	RCB	RCB	RCB	RCB
Replicate F							3.297	5.202	4.546	5.079	0.000	0.983
Replicate Prob(F)							0.0324	0.0047	0.0090	0.0053	1.0000	0.4128
Treatment F							16.753	16.283	16.730	37.370	0.000	11.970
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Provisia + Permit and Permit Plus Mixtures									
Trial ID: C18-17		Location: RRS-Crowley, LA		Trial Year: 2018					
Protocol ID: C18-17		Investigator: Eric P. Webster							
Project ID:		Study Director:							
		Sponsor Contact:							
Pest Code								RICE	RICE
Rating Date								Aug/14/18	Aug/14/18
Rating Type								YIELD	YIELD
Rating Unit								lb/a	kg/ha
Trt-Eval Interval								At Harvest	At Harvest
Number of Decimals								0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No Provisia No Permit								
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	
2	No Provisia								
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v			MPOST	
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	
3	No Provisia								
	Permit	75	%	0.031	lb ai/a	0.66	oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v			MPOST	
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	
4	No Provisia								
	Permit	75	%	0.015	lb 5 ai/a	0.33	oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v			MPOST	
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	
5	No Provisia								
	Permit Plus	74	%	0.046	lb 3 ai/a	1	oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v			MPOST	
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	
6	No Provisia								
	Permit Plus	74	%	0.030	lb 5 ai/a	0.66	oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v			MPOST	
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5	oz/a	3 WA MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	3 WA MPOST	

7 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	3948 b	4425 b
No Permit								
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
8 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	4503 ab	5047 ab
Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST		
Agri-Dex	100 %		1 % v/v			MPOST		
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
9 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	4497 ab	5040 ab
Permit	75 %		0.031	lb ai/a	0.66 oz/a	MPOST		
Agri-Dex	100 %		1 % v/v			MPOST		
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	4064 ab	4555 ab
Permit	75 %		0.015	lb 5 ai/a	0.33 oz/a	MPOST		
Agri-Dex	100 %		1 % v/v			MPOST		
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
11 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	4283 ab	4800 ab
Permit Plus	74 %		0.046	lb 3 ai/a	1 oz/a	MPOST		
Agri-Dex	100 %		1 % v/v			MPOST		
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
12 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	MPOST	4843 a	5428 a
Permit Plus	74 %		0.030	lb 5 ai/a	0.66 oz/a	MPOST		
Agri-Dex	100 %		1 % v/v			MPOST		
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	3 WA MPOST		
Agri-Dex	100 %		1 % v/v		19.2 oz/a	3 WA MPOST		
LSD P=.05							816.7	915.3
Standard Deviation							567.7	636.3
CV							16.28	16.28
Analyzed as							RCB	RCB
Replicate F							0.983	0.983
Replicate Prob(F)							0.4128	0.4128
Treatment F							11.970	11.970
Treatment Prob(F)							0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia + Loyant Co-Application Timings Before or After a Provisia Application

Experiment number..... : **C18-18**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 04/12/18
 Emergence date..... : 04/23/18
 Harvest date..... : 08/14/18

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	05/08/18	5/21/18
Time [hh:mm-hh:mm]	08:07-08:33a	10:00-10:30a
Air/Soil temperature [F]	70/65	82/80
Relative humidity [%].....	78%	69%
Wind [mph, direction]	5-7, NW	1-3, E
Weather [sunny, etc]	Sunny	Sunny
Soil/Leaf surface moist.....	Wet/Dry	Dry/Dry
Crop stage.....	2-3 LF	4-5 LF
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/21	15/23
Applied by.....	SYR	MJO

Weed Species (population)	----- (height/#leaves) -----	
CL 111 (50 kg ha ⁻¹)	2-4"/2-3 LF	8-10"/4-5 LF
CLXL 745 (50 kg ha ⁻¹)	2-4"/2-3 LF	8-10"/4-5 LF
ORYSA (50 kg ha ⁻¹)	2-4"/1-3 LF	8-10"/4-5 LF
ECHCG (50-100 m ⁻²).....	1-3"/2-4 LF	4-8"/3-5 LF
CYPES (1-10 m ⁻²)	4-6"/1-3 LF	5-10"/4-6 LF
CYPIR (20-50 m ⁻²).....	1-2"/1-2 LF	3-6"/2-4 LF
SEBEX (2-3 m ⁻²).....	1-2"/2-3 LF	4-8"/3-5 LF
AESIN (1-3 m ⁻²).....	1-2"/1-2 LF	3-6"/2-5 LF

Flush Dates..... : 5/4/18, 5/15/18
 Permanent Flood..... : 5/22/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application

Trial ID: C18- 18 Location: RRS-Crowley Trial Year: 2018

Protocol ID: C18- 18 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE May/24/18 INJURY %	RICE Jun/11/18 INJURY %	RICE Jun/25/18 INJURY %	RICE Jul/24/18 INJURY %	ECHCG May/24/18 CONTROL %	
								16 DA EPOST 0	21 DA LPOST 0	35 DA LPOST 0	64 DA LPOST 0	16 DA EPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	NONTREATEE D								0 -	0 -	0 -	0 -	0 e
2	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a		EPOST	0 -	0 -	0 -	0 -	68 d
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a		LPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		LPOST					
3	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	0 -	0 -	0 -	0 -	99 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
4	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	0 -	0 -	0 -	0 -	98 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
5	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	0 -	0 -	0 -	0 -	99 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
6	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	0 -	0 -	0 -	0 -	94 abc
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
7	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	0 -	0 -	0 -	0 -	95 abc
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
8	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	0 -	0 -	0 -	0 -	97 ab
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	0 -	0 -	0 -	0 -	91 c
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	0 -	0 -	0 -	0 -	98 ab
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	0 -	0 -	0 -	0 -	96 abc
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	0 -	0 -	0 -	0 -	93 bc
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	0 -	0 -	0 -	0 -	98 a
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	0 -	0 -	0 -	0 -	98 ab
Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
LSD P=.05							.	.	.	.	5.2
Standard Deviation							0.0	0.0	0.0	0.0	3.7
CV							0.0	0.0	0.0	0.0	4.2
Replicate F							0.000	0.000	0.000	0.000	3.427
Replicate Prob(F)							1.0000	1.0000	1.0000	1.0000	0.0263
Treatment F							0.000	0.000	0.000	0.000	206.898
Treatment Prob(F)							1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application					
Trial ID:	C18- 18	Location:	RRS-Crowley	Trial Year:	2018
Protocol ID:	C18- 18	Investigator:	Eric P. Webster		

Pest Code							ECHCG	ECHCG	ECHCG	CYPES	CYPES
Rating Date							Jun/11/18	Jun/25/18	Jul/24/18	May/24/18	Jun/11/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DA LPOST	35 DA LPOST	64 DA LPOST	16 DA EPOST	21 DA LPOST
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	NONTREATE										
1	D							0 c	0 d	0 d	0 c
2	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST	96 b	97 c	99 abc	70 a
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Loyant	25.0	g/L	0.026	lb	16 oz/a	LPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
3	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	99 a	98 bc	98 c	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
4	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	98 a	99 a	99 ab	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
5	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	98 a	99 a	99 ab	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
6	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	99 a	98 ab	98 c	68 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
7	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	98 a	99 ab	99 abc	69 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
8	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	99 a	98 ab	99 ab	68 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 a	98 ab	98 c	66 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 a	99 a	98 bc	69 a	96 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	98 a	98 ab	99 abc	64 a	97 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 a	99 a	99 a	68 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	99 a	98 abc	99 ab	68 a	98 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 a	99 ab	99 ab	68 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							1.7	0.9	0.6	6.5	4.0
Standard Deviation							1.2	0.7	0.4	4.6	2.8
CV							1.29	0.72	0.47	9.46	4.37
Replicate F							0.564	0.326	0.650	1.432	1.065
Replicate Prob(F)							0.6419	0.8063	0.5877	0.2482	0.3750
Treatment F							1992.621	6309.829	15137.822	193.057	973.447
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application					
Trial ID:	C18- 18	Location:	RRS-Crowley	Trial Year:	2018
Protocol ID:	C18- 18	Investigator:	Eric P. Webster		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPES Jun/25/18 CONTROL %	CYPES Jul/24/18 CONTROL %	CYPIR May/24/18 CONTROL %	CYPIR Jun/11/18 CONTROL %	CYPIR Jun/25/18 CONTROL %		
							35 DA LPOST 0	64 DA LPOST 0	16 DA EPOST 0	21 DA LPOST 0	35 DA LPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	NONTREATE D								0 d	0 c	0 c	0 d	0 c
2	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST	99 a	99 a	79 ab	98 a	98 a
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		LPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		LPOST					
3	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	0 d	0 c	0 c	0 d	0 c
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
4	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	0 d	0 c	0 c	0 d	0 c
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
5	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	0 d	0 c	0 c	0 d	0 c
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
6	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	64 c	63 b	80 ab	80 bc	78 b
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
7	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	68 bc	63 b	79 ab	78 c	79 b
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
8	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	69 b	64 b	81 a	83 b	79 b
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	96 a	99 a	79 ab	98 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	97 a	99 a	76 ab	98 a	99 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	95 a	99 a	75 b	98 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	97 a	98 a	79 ab	99 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	97 a	99 a	79 ab	98 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	97 a	98 a	79 ab	99 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							3.9	1.9	5.9	3.3	2.5
Standard Deviation							2.7	1.3	4.1	2.3	1.7
CV							4.37	2.14	7.36	3.45	2.64
Replicate F							2.037	1.456	0.699	0.575	0.257
Replicate Prob(F)							0.1245	0.2414	0.5584	0.6349	0.8560
Treatment F							982.504	4222.302	318.548	1489.400	2559.859
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application

Trial ID: C18- 18 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18- 18 Investigator: Eric P. Webster

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPIR Jul/24/18 CONTROL %	AESIN May/24/18 CONTROL %	AESIN Jun/11/18 CONTROL %	AESIN Jun/25/18 CONTROL %	AESIN Jul/24/18 CONTROL %
						64 DA LPOST 0	16 DA EPOST 0	21 DA LPOST 0	35 DA LPOST 0	64 DA LPOST 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	NONTREATE D									
2	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST	99 a	98 a	99 a
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST			
	MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST			
3	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	0 c	0 c	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
4	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	0 c	0 c	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
5	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	0 c	0 c	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
6	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	76 b	97 ab	99 a
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST			
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
7	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	78 b	98 ab	99 a
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST			
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
8	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	76 b	97 ab	98 a
	Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST			
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	98 a	97 ab	99 a	99 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 a	97 ab	99 a	99 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	98 a	97 ab	99 a	99 a	98 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 a	96 b	99 a	99 a	98 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 a	96 b	99 a	99 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025 3	lb ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 a	97 b	99 a	99 a	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021 2	lb ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							3.3	1.6	0.7	0.5	1.1
Standard Deviation							2.3	1.1	0.5	0.4	0.7
CV							3.49	1.6	0.7	0.53	1.05
Replicate F							1.144	3.681	0.469	1.560	0.264
Replicate Prob(F)							0.3435	0.0199	0.7058	0.2145	0.8506
Treatment F							1470.366	6707.539	35473.899	62410.846	15723.083
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application

Trial ID: C18- 18 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18- 18 Investigator: Eric P. Webster

Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	CL111
Rating Date							May/24/18	Jun/11/18	Jun/25/18	Jul/24/18	May/24/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							16 DA EPOST	21 DA LPOST	35 DA LPOST	64 DA LPOST	16 DA EPOST
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	NONTREATE										
1	D							0 d	0 b	0 d	0 b
2	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST	96 abc	99 a	99 abc	99 a
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Loyant	25.0	g/L	0.026	lb	16 oz/a	LPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
3	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	0 d	0 b	0 d	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
4	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	0 d	0 b	0 d	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
5	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	0 d	0 b	0 d	0 b
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
6	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	95 abc	99 a	99 ab	99 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
7	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	93 bc	99 a	98 c	99 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
8	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	95 abc	99 a	98 bc	99 a
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	94 abc	99 a	98 c	99 a	86 d
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	94 abc	99 a	99 a	98 a	92 a-d
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	93 c	98 a	99 abc	98 a	95 ab
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	95 abc	99 a	99 abc	99 a	88 cd
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	97 a	99 a	98 bc	99 a	92 a-d
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	97 ab	99 a	99 ab	99 a	94 ab
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							3.8	0.7	0.7	0.7	6.2
Standard Deviation							2.7	0.5	0.5	0.5	4.3
CV							3.96	0.67	0.72	0.69	5.54
Replicate F							0.804	0.299	0.094	1.930	0.740
Replicate Prob(F)							0.4993	0.8262	0.9632	0.1407	0.5348
Treatment F							1100.321	38949.630	33471.349	36420.847	235.734
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application

Trial ID: C18- 18 Location: RRS-Crowley Trial Year: 2018

Protocol ID: C18- 18 Investigator: Eric P. Webster

Pest Code							CL111	CL111	CL111	CLXL745	CLXL745
Rating Date							Jun/11/18	Jun/25/18	Jul/24/18	May/24/18	Jun/11/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DA LPOST	35 DA LPOST	64 DA LPOST	16 DA EPOST	21 DA LPOST
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	NONTREATE										
1	D							0 c	0 b	0 b	0 e
2	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST	0 c	0 b	0 b	0 e
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Loyant	25.0	g/L	0.026	lb	16 oz/a	LPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
3	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	98 ab	99 a	99 a	88 cd
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
4	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	99 a	98 a	99 a	94 ab
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
5	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	98 ab	98 a	99 a	98 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
6	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	98 ab	98 a	99 a	89 bcd
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
7	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	98 ab	99 a	99 a	91 bcd
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				
8	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	98 ab	98 a	99 a	94 ab
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST				
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST				

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	98 ab	98 a	99 a	86 d	98 ab
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 ab	99 a	98 a	94 ab	98 ab
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	97 b	99 a	98 a	98 a	98 b
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	98 ab	99 a	99 a	88 cd	98 ab
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 ab	99 a	99 a	90 bcd	99 ab
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 a	98 a	99 a	93 abc	99 ab
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							1.4	0.8	0.7	5.9	0.8
Standard Deviation							1.0	0.6	0.5	4.2	0.5
CV							1.19	0.68	0.61	5.29	0.65
Replicate F							1.537	0.342	0.610	0.367	0.872
Replicate Prob(F)							0.2203	0.7953	0.6123	0.7769	0.4639
Treatment F							5043.918	15427.026	19446.832	259.412	16996.099
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application					
Trial ID:	C18- 18	Location:	RRS-Crowley	Trial Year:	2018
Protocol ID:	C18- 18	Investigator:	Eric P. Webster		

Pest Code							CLXL745	CLXL745	ORYSA	ORYSA	ORYSA
Rating Date							Jun/25/18	Jul/24/18	May/24/18	Jun/11/18	Jun/25/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DA LPOST	64 DA LPOST	16 DA EPOST	21 DA LPOST	35 DA LPOST
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage				
1 NONTREATE											
D							0 d	0 c	0 d	0 c	0 b
2 Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST	0 d	0 c	0 d	0 c	0 b
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Loyant	25.0	g/L	0.026	lb	16 oz/a	LPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST					
3 Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	98 bc	99 ab	93 bc	99 ab	99 a
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					
4 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	99 ab	99 ab	95 abc	99 ab	99 a
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					
5 Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	98 abc	99 ab	99 a	99 ab	98 a
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST					
Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					
6 Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	99 ab	99 ab	95 abc	99 ab	99 a
Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					
7 Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	99 ab	99 ab	95 abc	99 ab	99 a
Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					
8 Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	98 abc	99 ab	97 ab	98 b	99 a
Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST					
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST					
Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST					
Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST					

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 ab	99 ab	94 bc	98 b	99 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	98 c	98 b	96 abc	99 a	99 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 ab	99 ab	99 a	98 b	99 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 ab	98 b	93 c	99 ab	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	99 a	99 ab	96 abc	99 ab	99 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 a	99 a	98 a	99 a	98 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							1.0	0.7	4.0	0.7	1.0
Standard Deviation							0.7	0.5	2.8	0.5	0.7
CV							0.82	0.54	3.42	0.6	0.84
Replicate F							1.000	0.452	0.147	0.553	0.236
Replicate Prob(F)							0.4031	0.7172	0.9308	0.6491	0.8705
Treatment F							10711.847	24380.898	614.808	19851.853	10187.205
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application
 Trial ID: C18- 18 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18- 18 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ORYSA Jul/24/18 CONTROL % 64 DA LPOST 0	RICE Aug/14/18 HEIGHT cm AT HARVEST 0	RICE Aug/14/18 HEIGHT cm AT HARVEST 0	RICE Aug/14/18 HEIGHT cm AT HARVEST 0	RICE Aug/14/18 HEIGHT cm AT HARVEST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	36*	37*	38*	39*	40*
1	NONTREATEE D								0 c	76 b	77 b	86 b	83 b
2	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST	0 c	106 a	105 a	107 a	107 a
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		LPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		LPOST					
3	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	98 b	106 a	105 a	107 a	105 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
4	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	99 a	107 a	107 a	107 a	107 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
5	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	99 ab	105 a	108 a	107 a	107 a
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
6	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		EPOST	99 ab	104 a	106 a	107 a	109 a
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
7	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		EPOST	99 ab	106 a	104 a	104 a	108 a
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					
8	Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a		EPOST	99 ab	109 a	106 a	108 a	105 a
	Loyant	25.0	g/L	0.026	lb ai/a	16 oz/a		EPOST					
	MSO	100	%	0.5	% v/v	9.6 oz/a		EPOST					
	Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a		LPOST					
	Agri-Dex	100	%	1	% v/v	19.2 oz/a		LPOST					

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	98 b	104 a	104 a	107 a	110 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	99 a	109 a	105 a	105 a	108 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	99 ab	106 a	105 a	108 a	107 a
Agri-Dex	100 %		1 % v/v		19.2 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	99 ab	106 a	108 a	109 a	109 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	99 ab	108 a	104 a	106 a	107 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.025 3	lb ai/a	15.5 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	98 b	105 a	105 a	106 a	107 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	EPOST					
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST					
Loyant	25.0 5	g/L	0.021 2	lb ai/a	13 oz/a	LPOST					
MSO	100 %		0.5 % v/v		9.6 oz/a	LPOST					
LSD P=.05							0.6	7.3	7.7	5.6	5.7
Standard Deviation							0.4	5.1	5.4	3.9	4.0
CV							0.52	4.91	5.22	3.7	3.8
Replicate F							1.733	1.121	0.368	0.461	1.918
Replicate Prob(F)							0.1760	0.3524	0.7765	0.7109	0.1426
Treatment F							26658.203	10.201	8.302	8.673	11.166
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Loyant Co-Application Timings Before or After a Provisia Application										
Trial ID: C18- 18		Location: RRS-Crowley		Trial Year: 2018						
Protocol ID: C18- 18		Investigator: Eric P. Webster								
Pest Code							RICE	RICE	RICE	RICE
Rating Date							Aug/14/18	Aug/14/18	Aug/14/18	Aug/14/18
Rating Type							AVG HEIGHT	YIELD	YIELD	YIELD
Rating Unit							cm	g/plot	lb/ac	KG/HA
Trt-Eval Interval							AT HARVEST	AT HARVEST	AT HARVEST	AT HARVEST
Number of Decimals							0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	41*	42*
									43*	44*
1	NONTREATE									
D										
2	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST	106 a	1231 de	3746 de
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			4201 de
	Loyant	25.0	g/L	0.026	lb	16 oz/a	LPOST			
	MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST			
3	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	106 a	1186 e	3610 e
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			4048 e
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
4	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	107 a	1309 b-e	3984 b-e
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			4467 b-e
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
5	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	107 a	1267 b-e	3855 b-e
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST			4323 b-e
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
6	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	EPOST	106 a	1245 cde	3790 cde
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST			4250 cde
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
7	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	EPOST	105 a	1196 de	3641 de
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST			4083 de
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA	0.107	lb	15.5 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			
8	Provisia	0.88	LB/GA	0.124	lb	18 oz/a	EPOST	107 a	1273 b-e	3875 b-e
	Loyant	25.0	g/L	0.026	lb	16 oz/a	EPOST			4345 b-e
	MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST			
	Provisia	0.88	LB/GA	0.089	lb	13 oz/a	LPOST			
	Agri-Dex	100	%	1	% v/v	19.2 oz/a	LPOST			

9 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	106 a	1366 a-d	4157 a-d	4662 a-d
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST				
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
10 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	107 a	1358 a-e	4135 a-e	4636 a-e
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	LPOST				
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
11 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	107 a	1415 abc	4307 abc	4829 abc
Agri-Dex	100	%	1	% v/v	19.2 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	LPOST				
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
12 Provisia	0.88	LB/GA L	0.089	lb ai/a	13 oz/a	EPOST	108 a	1351 b-e	4112 b-e	4611 b-e
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST				
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
13 Provisia	0.88	LB/GA L	0.107	lb ai/a	15.5 oz/a	EPOST	106 a	1422 ab	4329 ab	4855 ab
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST				
Loyant	25.0 5	g/L	0.025	lb 3 ai/a	15.5 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
14 Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	EPOST	105 a	1532 a	4662 a	5227 a
Loyant	25.0 5	g/L	0.026	lb ai/a	16 oz/a	EPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	EPOST				
Provisia	0.88	LB/GA L	0.124	lb ai/a	18 oz/a	LPOST				
Loyant	25.0 5	g/L	0.021	lb 2 ai/a	13 oz/a	LPOST				
MSO	100	%	0.5	% v/v	9.6 oz/a	LPOST				
LSD P=.05							4.6	174.7	531.8	596.3
Standard Deviation							3.2	122.1	371.8	416.9
CV							3.08	9.97	9.97	9.97
Replicate F							1.392	3.206	3.206	3.206
Replicate Prob(F)							0.2597	0.0335	0.0335	0.0335
Treatment F							18.807	35.819	35.819	35.819
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Experiment number..... : **C18-19**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : NA
 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..... : 7/9/18

Application type : POSTFLOOD
 Date applied [mm/dd/yy] : 5/21/2018
 Time [hh:mm-hh:mm] : 10:15-11:10 am
 Air/Soil temperature [F] : 82 air/79 soil
 Relative humidity [%]..... : 59%
 Wind [mph, direction] : 2-4 mph, East
 Weather [sunny, etc] : Sunny
 Soil/Leaf surface moist..... : Flood/Dry
 Crop stage/Height : NA
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/28
 Applied by..... : DCW

Weed Species (population) : (height/#leaves) -

ALRPH (2-5 m ⁻²)..... : 10-15"/15-30 LF	Alligatorweed (<i>Alternanthera philoxiroides</i>)
LUDPE (2-5 m ⁻²)..... : 7-12"/10-20 LF	Creeping water primrose (<i>Ludwigia peploides</i>)
POFCO (2-3 m ⁻²)..... : 8-12"/2-5 LF	Pickerelweed (<i>Pontederia cordata</i>)
THYLA (1-2 m ⁻²)..... : 4-10"/3-6 LF	Common cattail (<i>Typha latifolia</i>)
ECHCG (5-10 m ⁻²)..... : 8-15"/4LF-2 tiller	Barnyardgrass (<i>Echinochloa crus-galli</i>)
SAGGR (5-15 m ⁻²)..... : 3-6"/2-4 LF	Grassy arrowhead (<i>Sagittaria graminea</i>)
ECHPO (5-10 m ⁻²)..... : 3-8"/2-5 LF	Creeping rivergrass (<i>Echinochloa polystachya</i>)
CYPES (10-30 m ⁻²)..... : 6-15"/4-10 LF	Yellow nutsedge (<i>Cyperus exculentus</i>)
HETLI (100-200 m ⁻²)..... : 3-5"/SPOON	Ducksalad (<i>Heteranthera limosa</i>)

Flush Dates..... : NA
 Permanent Flood..... : 4/12/2018

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19 Location: Crowley Trial Year: 2018
 Protocol ID: C18-19 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code								ECHCG Jun/4/18	ECHCG Jun/19/18	ECHCG Jul/9/18	ECHCG Jul/9/18	ECHPO Jun/4/18
Rating Date								CONTROL	CONTROL	CONTROL	FRESH WT	CONTROL
Rating Type								%	%	%	G	%
Rating Unit								15 DAA	30 DAA	50 DAA	50 DAA	15 DAA
Trt-Eval Interval								0	0	0	0	0
Number of Decimals								0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1 NONTREATE D								0 g	0 g	0 h	0 -	0 g
2 Loyant	25.0	g/L	0.0032	lb		2 oz/a	POSTFLOOD	15 f	23 f	26 g	0 -	16 f
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
3 Loyant	25.0	g/L	0.0065	lb		4 oz/a	POSTFLOOD	25 e	38 e	38 f	0 -	20 f
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
4 Loyant	25.0	g/L	0.0098	lb		6 oz/a	POSTFLOOD	28 e	41 e	35 fg	0 -	30 e
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
5 Loyant	25.0	g/L	0.013	lb		8 oz/a	POSTFLOOD	38 d	43 e	48 e	0 -	34 e
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
6 Loyant	25.0	g/L	0.0163	lb		10 oz/a	POSTFLOOD	65 bc	74 bc	68 c	0 -	41 d
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
7 Loyant	25.0	g/L	0.0196	lb		12 oz/a	POSTFLOOD	56 c	65 d	64 cd	0 -	48 c
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
8 Loyant	25.0	g/L	0.0228	lb		14 oz/a	POSTFLOOD	70 b	78 b	81 b	0 -	56 b
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
9 Loyant	25.0	g/L	0.026	lb		16 oz/a	POSTFLOOD	86 a	88 a	93 a	0 -	64 a
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
10 Grasp	2	LB/GA L	0.036	lb		2.3 oz/a	POSTFLOOD	68 b	66 cd	65 cd	0 -	0 g
Agri-Dex	100	%	1	% v/v		1.2 pt/a	POSTFLOOD					
11 Rogue Plus	76.5	%	0.5	lb/a		173 g ai/a	POSTFLOOD	30 de	40 e	58 d	0 -	0 g
Agri-Dex	100	%	1	% v/v		19.2 fl oz/a	POSTFLOOD					
LSD P=.05								9.5	8.7	9.1	.	5.9
Standard Deviation								6.6	6.1	6.3	0.0	4.1
CV								15.05	12.01	12.07	0.0	14.53
Replicate F								1.299	0.763	1.200	0.000	0.399
Replicate Prob(F)								0.2928	0.5235	0.3267	1.0000	0.7549
Treatment F								67.230	75.509	70.262	0.000	125.638
Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19 Location: Crowley Trial Year: 2018
 Protocol ID: C18-19 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Contact:								ECHPO Jun/19/18 CONTROL % 30 DAA 0	ECHPO Jul/9/18 CONTROL % 50 DAA 0	ECHPO Jul/9/18 FRESH WT G 50 DAA 0	CYPES Jun/4/18 CONTROL % 15 DAA 0	CYPES Jun/19/18 CONTROL % 30 DAA 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1	NONTREATE D								0 e	0 g	1459 c	0 f	0 i
2	Loyant	25.0 5	g/L	0.0032 6	lb ai/a	2 oz/a		POSTFLOOD	0 e	0 g	1250 d	10 e	33 h
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
3	Loyant	25.0 5	g/L	0.0065 6	lb ai/a	4 oz/a		POSTFLOOD	11 d	13 f	709 e	43 d	44 g
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
4	Loyant	25.0 5	g/L	0.0098 6	lb ai/a	6 oz/a		POSTFLOOD	33 c	16 ef	596 f	44 d	54 f
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
5	Loyant	25.0 5	g/L	0.013 6	lb ai/a	8 oz/a		POSTFLOOD	38 bc	19 e	554 fg	58 c	69 de
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
6	Loyant	25.0 5	g/L	0.0163 6	lb ai/a	10 oz/a		POSTFLOOD	44 b	26 d	478 g	71 ab	79 bc
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
7	Loyant	25.0 5	g/L	0.0196 6	lb ai/a	12 oz/a		POSTFLOOD	60 a	35 c	337 h	71 ab	81 abc
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
8	Loyant	25.0 5	g/L	0.0228 6	lb ai/a	14 oz/a		POSTFLOOD	66 a	41 b	269 hi	70 ab	86 ab
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
9	Loyant	25.0 5	g/L	0.026 6	lb ai/a	16 oz/a		POSTFLOOD	61 a	51 a	250 i	79 a	89 a
	MSO	100	%	0.5	% v/v	9.6 oz/a		POSTFLOOD					
10	Grasp	2	LB/GA L	0.036 6	lb ai/a	2.3 oz/a		POSTFLOOD	0 e	0 g	1860 b	68 b	60 ef
	Agri-Dex	100	%	1	% v/v	1.2 pt/a		POSTFLOOD					
11	Rogue Plus	76.5	%	0.5	lb/a	173 g ai/a		POSTFLOOD	0 e	0 g	2216 a	69 b	73 cd
	Agri-Dex	100	%	1	% v/v	19.2 fl oz/a		POSTFLOOD					
LSD P=.05								7.1	4.9	85.2	8.9	9.0	
Standard Deviation								4.9	3.4	59.0	6.2	6.2	
CV								17.22	18.64	6.51	11.69	10.29	
Replicate F								0.095	0.570	0.262	0.650	0.989	
Replicate Prob(F)								0.9622	0.6391	0.8525	0.5889	0.4111	
Treatment F								123.076	114.616	534.408	72.885	74.181	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19	Location: Crowley	Trial Year: 2018
Protocol ID: C18-19	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code								CYPES	CYPES	SAGGR	SAGGR	SAGGR	
Rating Date								Jul/9/18	Jul/9/18	Jun/4/18	Jun/19/18	Jul/9/18	
Rating Type								CONTROL	FRESH WT	CONTROL	CONTROL	CONTROL	
Rating Unit								%	G	%	%	%	
Trt-Eval Interval								50 DAA	50 DAA	15 DAA	30 DAA	50 DAA	
Number of Decimals								0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	NONTREATE D							0 g	903 a	0 f	0 f	0 e	
2	Loyant	25.0	g/L	0.0032	lb		2 oz/a	POSTFLOOD	33 f	766 b	18 e	10 e	18 d
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
3	Loyant	25.0	g/L	0.0065	lb		4 oz/a	POSTFLOOD	61 e	370 c	73 c	90 b	92 ab
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
4	Loyant	25.0	g/L	0.0098	lb		6 oz/a	POSTFLOOD	56 e	392 c	86 b	90 b	90 b
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
5	Loyant	25.0	g/L	0.013	lb		8 oz/a	POSTFLOOD	71 d	140 ef	95 a	96 ab	98 ab
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
6	Loyant	25.0	g/L	0.0163	lb		10 oz/a	POSTFLOOD	91 c	172 de	98 a	99 a	99 a
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
7	Loyant	25.0	g/L	0.0196	lb		12 oz/a	POSTFLOOD	92 bc	137 ef	99 a	99 a	99 a
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
8	Loyant	25.0	g/L	0.0228	lb		14 oz/a	POSTFLOOD	99 ab	95 fg	98 a	99 a	99 a
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
9	Loyant	25.0	g/L	0.026	lb		16 oz/a	POSTFLOOD	99 a	72 g	99 a	99 a	99 a
	MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
10	Grasp	2	LB/GA L	0.036	lb		2.3 oz/a	POSTFLOOD	61 e	802 b	41 d	75 c	73 c
	Agri-Dex	100	%	1	% v/v		1.2 pt/a	POSTFLOOD					
11	Rogue Plus	76.5	%	0.5	lb/a		173 g ai/a	POSTFLOOD	85 c	223 d	41 d	59 d	91 ab
	Agri-Dex	100	%	1	% v/v		19.2 fl oz/a	POSTFLOOD					
LSD P=.05								7.2	60.5	7.4	8.2	8.6	
Standard Deviation								5.0	41.9	5.1	5.7	6.0	
CV								7.31	11.32	7.55	7.67	7.66	
Replicate F								4.889	0.997	0.061	1.166	0.359	
Replicate Prob(F)								0.0070	0.4078	0.9800	0.3389	0.7828	
Treatment F								152.473	219.052	203.472	164.376	139.644	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19 Location: Crowley Trial Year: 2018
 Protocol ID: C18-19 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code							SAGGR	POFCO	POFCO	POFCO	POFCO
Rating Date							Jul/9/18	Jun/4/18	Jun/19/18	Jul/9/18	Jul/9/18
Rating Type							FRESH WT	CONTROL	CONTROL	CONTROL	FRESH WT
Rating Unit							G	%	%	%	G
Trt-Eval Interval							50 DAA	15 DAA	30 DAA	50 DAA	50 DAA
Number of Decimals							0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage				
1 NONTREATE											
D							16*	17*	18*	19*	20*
2 Loyant	25.0	g/L	0.0032	lb	2 oz/a	POSTFLOOD	1486 b	25 d	30 d	28 c	49 d
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
3 Loyant	25.0	g/L	0.0065	lb	4 oz/a	POSTFLOOD	180 c	80 c	84 b	97 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
4 Loyant	25.0	g/L	0.0098	lb	6 oz/a	POSTFLOOD	207 c	90 b	97 a	96 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
5 Loyant	25.0	g/L	0.013	lb	8 oz/a	POSTFLOOD	0 e	90 b	99 a	98 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
6 Loyant	25.0	g/L	0.0163	lb	10 oz/a	POSTFLOOD	0 e	92 b	98 a	98 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
7 Loyant	25.0	g/L	0.0196	lb	12 oz/a	POSTFLOOD	0 e	95 ab	99 a	99 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
8 Loyant	25.0	g/L	0.0228	lb	14 oz/a	POSTFLOOD	0 e	99 a	99 a	99 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
9 Loyant	25.0	g/L	0.026	lb	16 oz/a	POSTFLOOD	0 e	99 a	99 a	99 a	0 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD					
10 Grasp	2	LB/GA	0.036	lb	2.3 oz/a	POSTFLOOD	241 c	18 e	9 e	14 d	332 a
Agri-Dex	100	%	1	% v/v	1.2 pt/a	POSTFLOOD					
11 Rogue Plus	76.5	%	0.5	lb/a	173 g ai/a	POSTFLOOD	90 d	15 e	46 c	80 b	70 c
Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	POSTFLOOD					
LSD P=.05							56.2	6.0	5.6	6.3	12.1
Standard Deviation							38.5	4.2	3.9	4.4	8.3
CV							9.2	6.53	5.61	5.98	12.36
Replicate F							2.685	1.807	0.353	0.862	0.552
Replicate Prob(F)							0.0692	0.1672	0.7872	0.4717	0.6512
Treatment F							1301.733	367.194	422.563	318.291	856.054
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID:	C18-19	Location:	Crowley	Trial Year:	2018
Protocol ID:	C18-19	Investigator:	Eric P. Webster		
Project ID:		Study Director:			
		Sponsor Contact:			

Sponsor Contact:								ALRPH	ALRPH	ALRPH	ALRPH	LUDPE	
Pest Code								Jun/4/18	Jun/19/18	Jul/9/18	Jul/9/18	Jun/4/18	
Rating Date								CONTROL	CONTROL	CONTROL	FRESH WT	CONTROL	
Rating Type								%	%	%	G	%	
Rating Unit								15 DAA	30 DAA	50 DAA	50 DAA	15 DAA	
Trt-Eval Interval								0	0	0	0	0	
Number of Decimals													
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	21*	22*	23*	24*	25*
1	NONTREATE								0 e	0 f	0 f	345 a	0 e
2	Loyant	25.0	g/L	0.0032	lb	2	oz/a	POSTFLOOD	35 d	83 c	93 abc	40 d	13 d
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
3	Loyant	25.0	g/L	0.0065	lb	4	oz/a	POSTFLOOD	51 c	83 c	86 c	36 d	13 d
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
4	Loyant	25.0	g/L	0.0098	lb	6	oz/a	POSTFLOOD	59 c	83 c	90 bc	19 de	13 d
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
5	Loyant	25.0	g/L	0.013	lb	8	oz/a	POSTFLOOD	80 b	89 bc	91 bc	16 de	18 d
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
6	Loyant	25.0	g/L	0.0163	lb	10	oz/a	POSTFLOOD	85 ab	96 ab	95 ab	10 de	25 c
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
7	Loyant	25.0	g/L	0.0196	lb	12	oz/a	POSTFLOOD	85 ab	97 ab	97 ab	0 e	26 c
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
8	Loyant	25.0	g/L	0.0228	lb	14	oz/a	POSTFLOOD	94 a	99 a	99 a	0 e	35 b
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
9	Loyant	25.0	g/L	0.026	lb	16	oz/a	POSTFLOOD	96 a	99 a	99 a	0 e	45 a
	MSO	100	%	0.5	% v/v	9.6	oz/a	POSTFLOOD					
10	Grasp	2	LB/GA	0.036	lb	2.3	oz/a	POSTFLOOD	29 d	53 d	60 d	136 c	24 c
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	POSTFLOOD					
11	Rogue Plus	76.5	%	0.5	lb/a	173	g ai/a	POSTFLOOD	30 d	29 e	31 e	258 b	35 b
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	POSTFLOOD					
LSD P=.05								11.9	9.6	7.4	22.3	5.1	
Standard Deviation								8.2	6.7	5.2	15.0	3.5	
CV								14.07	9.07	6.75	16.43	15.75	
Replicate F								1.689	1.094	2.836	0.057	1.846	
Replicate Prob(F)								0.1905	0.3670	0.0548	0.9816	0.1601	
Treatment F								60.366	95.891	160.607	230.757	54.305	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19 Location: Crowley Trial Year: 2018
 Protocol ID: C18-19 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	LUDPE Jun/19/18 CONTROL % 30 DAA 0	LUDPE Jul/9/18 CONTROL % 50 DAA 0	LUDPE Jul/9/18 FRESH WT G 50 DAA 0	HETLI Jun/4/18 CONTROL % 15 DAA 0	HETLI Jun/19/18 CONTROL % 30 DAA 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage	26*	27*	28*	29*	30*	
1 NONTREATE D					0 g	0 g	285 a	0 e	0 d	
2 Loyant	25.0 5 g/L	0.0032 lb 6 ai/a	2 oz/a	POSTFLOOD	11 f	0 g	183 cd	56 d	81 bc	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
3 Loyant	25.0 5 g/L	0.0065 lb ai/a	4 oz/a	POSTFLOOD	21 e	11 f	227 b	75 bc	88 ab	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
4 Loyant	25.0 5 g/L	0.0098 lb ai/a	6 oz/a	POSTFLOOD	28 de	11 f	284 a	86 ab	94 ab	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
5 Loyant	25.0 5 g/L	0.013 lb ai/a	8 oz/a	POSTFLOOD	30 d	23 d	310 a	88 ab	98 a	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
6 Loyant	25.0 5 g/L	0.0163 lb ai/a	10 oz/a	POSTFLOOD	35 cd	18 e	278 a	93 a	99 a	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
7 Loyant	25.0 5 g/L	0.0196 lb ai/a	12 oz/a	POSTFLOOD	35 cd	39 c	189 bc	91 a	99 a	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
8 Loyant	25.0 5 g/L	0.0228 lb ai/a	14 oz/a	POSTFLOOD	40 bc	41 c	133 e	97 a	99 a	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
9 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	POSTFLOOD	46 b	50 b	140 de	99 a	99 a	
MSO	100 %	0.5 % v/v	9.6 oz/a	POSTFLOOD						
10 Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	POSTFLOOD	29 de	20 de	302 a	65 cd	68 c	
Agri-Dex	100 %	1 % v/v	1.2 pt/a	POSTFLOOD						
11 Rogue Plus	76.5 %	0.5 lb/a	173 g ai/a	POSTFLOOD	66 a	75 a	53 f	92 a	96 ab	
Agri-Dex	100 %	1 % v/v	19.2 fl oz/a	POSTFLOOD						
LSD P=.05					8.2	4.9	38.2	14.0	14.4	
Standard Deviation					5.7	3.4	26.3	9.7	10.0	
CV					18.3	12.98	11.55	12.66	11.95	
Replicate F					1.052	0.855	1.624	1.232	0.355	
Replicate Prob(F)					0.3841	0.4749	0.2081	0.3155	0.7855	
Treatment F					37.879	183.395	32.132	35.168	34.582	
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus

Trial ID: C18-19 Location: Crowley Trial Year: 2018
 Protocol ID: C18-19 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code								HETLI Jul/9/18	HETLI Jul/9/18	TYHLA Jun/4/18	TYHLA Jun/19/18	TYHLA Jul/9/18
Rating Date								CONTROL	FRESH WT	CONTROL	CONTROL	CONTROL
Rating Type								%	G	%	%	%
Rating Unit								50 DAA	50 DAA	15 DAA	30 DAA	50 DAA
Trt-Eval Interval								0	0	0	0	0
Number of Decimals								0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	31*	32*	33*	34*	35*
1 NONTREATE D								0 d	272 a	0 h	0 g	0 g
2 Loyant	25.0	g/L	0.0032	lb		2 oz/a	POSTFLOOD	76 b	23 d	16 g	14 f	14 f
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
3 Loyant	25.0	g/L	0.0065	lb		4 oz/a	POSTFLOOD	86 ab	70 c	24 f	34 d	24 e
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
4 Loyant	25.0	g/L	0.0098	lb		6 oz/a	POSTFLOOD	92 a	69 c	38 e	50 c	29 e
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
5 Loyant	25.0	g/L	0.013	lb		8 oz/a	POSTFLOOD	90 ab	0 e	49 d	79 b	75 d
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
6 Loyant	25.0	g/L	0.0163	lb		10 oz/a	POSTFLOOD	91 a	0 e	54 cd	83 b	83 c
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
7 Loyant	25.0	g/L	0.0196	lb		12 oz/a	POSTFLOOD	98 a	0 e	60 c	94 a	91 b
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
8 Loyant	25.0	g/L	0.0228	lb		14 oz/a	POSTFLOOD	97 a	0 e	79 b	99 a	99 a
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
9 Loyant	25.0	g/L	0.026	lb		16 oz/a	POSTFLOOD	97 a	0 e	93 a	99 a	99 a
MSO	100	%	0.5	% v/v		9.6 oz/a	POSTFLOOD					
10 Grasp	2	LB/GA L	0.036	lb		2.3 oz/a	POSTFLOOD	59 c	206 b	0 h	0 g	0 g
Agri-Dex	100	%	1	% v/v		1.2 pt/a	POSTFLOOD					
11 Rogue Plus	76.5	%	0.5	lb/a		173 g ai/a	POSTFLOOD	96 a	0 e	0 h	23 e	29 e
Agri-Dex	100	%	1	% v/v		19.2 fl oz/a	POSTFLOOD					
LSD P=.05								14.0	14.6	7.0	8.6	7.0
Standard Deviation								9.7	9.9	4.9	5.9	4.8
CV								12.09	17.09	12.99	11.43	9.8
Replicate F								0.992	1.469	6.297	1.489	1.312
Replicate Prob(F)								0.4098	0.2503	0.0019	0.2376	0.2889
Treatment F								35.777	359.750	178.164	178.953	275.589
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Applied at Different Rates on Aquatic Weeds Compared with Grasp and Rogue Plus			
Trial ID: C18-19	Location: Crowley	Trial Year: 2018	
Protocol ID: C18-19	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code							THYLA
Rating Date							Jul/9/18
Rating Type							FRESH WT
Rating Unit							G
Trt-Eval Interval							50 DAA
Number of Decimals							0
Trt Treatment	Form	Form	Rate	Other	Other	Growth	
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage
1 NONTREATE							36*
D							397 c
2 Loyant	25.0	g/L	0.0032	lb	2 oz/a	POSTFLOOD	434 bc
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
3 Loyant	25.0	g/L	0.0065	lb	4 oz/a	POSTFLOOD	465 b
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
4 Loyant	25.0	g/L	0.0098	lb	6 oz/a	POSTFLOOD	247 d
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
5 Loyant	25.0	g/L	0.013	lb	8 oz/a	POSTFLOOD	157 de
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
6 Loyant	25.0	g/L	0.0163	lb	10 oz/a	POSTFLOOD	120 e
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
7 Loyant	25.0	g/L	0.0196	lb	12 oz/a	POSTFLOOD	36 f
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
8 Loyant	25.0	g/L	0.0228	lb	14 oz/a	POSTFLOOD	4 f
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
9 Loyant	25.0	g/L	0.026	lb	16 oz/a	POSTFLOOD	0 f
MSO	100	%	0.5	% v/v	9.6 oz/a	POSTFLOOD	
10 Grasp	2	LB/GA	0.036	lb	2.3 oz/a	POSTFLOOD	652 a
Agri-Dex	100	%	1	% v/v	1.2 pt/a	POSTFLOOD	
11 Rogue Plus	76.5	%	0.5	lb/a	173 g ai/a	POSTFLOOD	233 d
Agri-Dex	100	%	1	% v/v	19.2 fl oz/a	POSTFLOOD	
LSD P=.05							59.9
Standard Deviation							40.8
CV							15.27
Replicate F							2.061
Replicate Prob(F)							0.1361
Treatment F							105.814
Treatment Prob(F)							0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant Mixed with ALS Herbicides

Experiment number..... : **C18-20**
Location..... : RRS-Crowley, LA
Experimental design..... : RCb
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date : 04/05/18
Harvest date : 07/30/18

Application type : 3-4 LEAF
Date applied [mm/dd/yy] : 04/30/18
Time [hh:mm-hh:mm] : 11:55-12:20
Air/Soil temperature [F] : 80/72
Relative humidity [%]..... : 45%
Wind [mph, direction] : 5-10, E
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage/Height : 3-4lf/4-6"
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/33
Applied by..... : SYR

Weed Species (population) :- (height/#leaves) -
ECHCG (200-300 m⁻²)..... : 1-4"/1-4lf
CYPES (10-15 m⁻²) : 3-10"/3-12lf
CYPIR (100-150 m⁻²)..... : 1-2"/3-6lf
AESIN (1-5 m⁻²)..... : 2-3"/2-5lf
SEBEX (1-10m⁻²)..... : 2-3"/1-3lf

Flush Dates : NA
Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID: C18- 20	Location: RRS-Crowley	Trial Year: 2018			
Protocol ID: C18- 20	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE May/15/18 INJURY % 15 DA 3-4LF 0	RICE May/28/18 INJURY % 28 DA 3-4LF 0	RICE Jun/11/18 INJURY % 42 DA 3-4LF 0	RICE Jun/25/18 INJURY % 56 DA 3-4LF 0	ECHCG May/15/18 CONTROL % 15 DA 3-4LF 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage		1*	2*	3*	4*	5*
1 No Loyant No Mix Partner MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
2 No Loyant Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	50 c
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
3 No Loyant Permit	75 %	0.047 lb ai/a	1 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
4 No Loyant Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	74 ab
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
5 No Loyant League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
6 No Loyant Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
7 No Loyant Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
8 No Loyant Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	0 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
9 Loyant No Mix Partner MSO	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	71 b
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
10 Loyant Grasp	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	73 b
	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	3-4 LEAF						
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
11 Loyant Permit	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		0 -	0 -	0 -	0 -	53 c
	75 %	0.047 lb ai/a	1 oz/a	3-4 LEAF						
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	81 a
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	50 c
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	54 c
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	21 e
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	38 d
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05									7.6
Standard Deviation					0.0	0.0	0.0	0.0	5.4
CV					0.0	0.0	0.0	0.0	15.21
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.000	0.000	0.000	0.000	3.205
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0320
Treatment F					0.000	0.000	0.000	0.000	139.379
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID: C18- 20	Location: RRS-Crowley	Trial Year: 2018			
Protocol ID: C18- 20	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ECHCG May/28/18 CONTROL % 28 DA 3-4LF 0	ECHCG Jun/11/18 CONTROL % 42 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 56 DA 3-4LF 0	CYPES May/15/18 CONTROL % 15 DA 3-4LF 0	CYPES May/28/18 CONTROL % 28 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1	No Loyant No Mix Partner MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 f	0 d	0 g	0 h	0 f
2	No Loyant Grasp MSO	2 LB/GA L		0.036	lb ai/a	2.3	oz/a	3-4 LEAF	58 d	43 b	46 e	79 de	96 ab
3	No Loyant Permit MSO	75 %		0.047	lb ai/a	1	oz/a	3-4 LEAF	0 f	0 d	0 g	97 a	98 ab
4	No Loyant Regiment MSO	80 %		0.03	lb ai/a	0.6	oz/a	3-4 LEAF	76 a	69 a	69 ab	76 def	97 ab
5	No Loyant League MSO	75 %		0.188	lb ai/a	4	oz/a	3-4 LEAF	0 f	0 d	0 g	73 f	88 c
6	No Loyant Londax MSO	60 %		0.037	lb ai/a	1	oz/a	3-4 LEAF	0 f	0 d	0 g	74 ef	86 c
7	No Loyant Strada MSO	50 %		0.065	lb ai/a	2.1	oz/a	3-4 LEAF	0 f	0 d	0 g	63 g	75 e
8	No Loyant Strada XT MSO	70 %		0.438	lb ai/a	10	oz/a	3-4 LEAF	0 f	0 d	0 g	73 f	80 d
9	Loyant No Mix Partner MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	70 ab	65 a	61 cd	74 ef	79 de
10	Loyant Grasp MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	69 ab	65 a	65 bc	95 ab	96 ab
11	Loyant Permit MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	56 d	50 b	49 e	95 ab	99 a

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	75 a	69 a	74 a	90 bc	99 a
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	66 bc	65 a	58 d	90 bc	94 b
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	66 bc	63 a	63 bcd	86 c	95 ab
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	24 e	30 c	30 f	76 def	81 d
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	59 cd	45 b	45 e	80 d	88 c
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					8.4	7.5	7.1	5.9	4.5
Standard Deviation					5.9	5.3	5.0	4.1	3.2
CV					15.25	15.04	14.23	5.41	3.79
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.839	1.547	5.162	5.322	0.721
Replicate Prob(F)					0.1537	0.2155	0.0038	0.0032	0.5447
Treatment F					125.806	128.702	143.425	119.900	222.213
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID: C18- 20	Location: RRS-Crowley	Trial Year: 2018			
Protocol ID: C18- 20	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								CYPES Jun/11/18 CONTROL % 42 DA 3-4LF 0	CYPES Jun/25/18 CONTROL % 56 DA 3-4LF 0	CYPIR May/15/18 CONTROL % 15 DA 3-4LF 0	CYPIR May/28/18 CONTROL % 28 DA 3-4LF 0	CYPIR Jun/11/18 CONTROL % 42 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	No Loyant No Mix Partner MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 e	0 f	0 f	0 g	0 e
2	No Loyant Grasp MSO	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	3-4 LEAF	97 ab	98 a	84 de	98 a	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
3	No Loyant Permit MSO	75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF	99 a	99 a	96 a	99 a	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
4	No Loyant Regiment MSO	80	%	0.03	lb ai/a	0.6	oz/a	3-4 LEAF	99 a	98 a	85 cde	97 ab	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
5	No Loyant League MSO	75	%	0.188	lb ai/a	4	oz/a	3-4 LEAF	84 c	96 a	87 bcd	94 bc	91 b
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
6	No Loyant Londax MSO	60	%	0.037	lb 5 ai/a	1	oz/a	3-4 LEAF	86 c	93 b	79 e	91 c	90 bc
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
7	No Loyant Strada MSO	50	%	0.065	lb 6 ai/a	2.1	oz/a	3-4 LEAF	73 d	74 e	81 de	76 f	76 d
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
8	No Loyant Strada XT MSO	70	%	0.438	lb ai/a	10	oz/a	3-4 LEAF	76 d	79 d	84 de	79 ef	88 c
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
9	Loyant No Mix Partner MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	83 c	79 d	86 bcd	96 ab	98 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
10	Loyant Grasp MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	95 ab	99 a	88 bcd	99 a	99 a
		2	LB/GA L	0.036	lb ai/a	2.3	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
11	Loyant Permit MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	99 a	99 a	97 a	99 a	99 a
		75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	97 ab	99 a	94 a	99 a	99 a
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	94 b	98 a	92 ab	97 ab	98 a
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	94 b	99 a	91 abc	97 ab	99 a
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	85 c	81 cd	91 abc	83 de	97 a
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	85 c	84 c	91 abc	86 d	97 a
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					4.7	3.2	6.5	3.8	3.2
Standard Deviation					3.3	2.2	4.5	2.7	2.2
CV					3.93	2.61	5.49	3.05	2.52
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.173	1.386	0.531	4.272	1.137
Replicate Prob(F)					0.3307	0.2592	0.6633	0.0098	0.3445
Treatment F					208.725	481.798	99.768	337.531	478.842
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID: C18- 20	Location: RRS-Crowley	Trial Year: 2018			
Protocol ID: C18- 20	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								CYPIR Jun/25/18 CONTROL % 56 DA 3-4LF 0	AESIN May/15/18 CONTROL % 15 DA 3-4LF 0	AESIN May/28/18 CONTROL % 28 DA 3-4LF 0	AESIN Jun/11/18 CONTROL % 42 DA 3-4LF 0	AESIN Jun/25/18 CONTROL % 56 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*
1	No Loyant No Mix Partner MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 d	0 c	0 e	0 f	0 d
2	No Loyant Grasp MSO	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	3-4 LEAF	99 a	98 a	98 abc	98 abc	98 ab
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
3	No Loyant Permit MSO	75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF	99 a	98 a	98 abc	99 ab	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
4	No Loyant Regiment MSO	80	%	0.03	lb ai/a	0.6	oz/a	3-4 LEAF	99 a	97 ab	99 a	99 ab	99 ab
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
5	No Loyant League MSO	75	%	0.188	lb ai/a	4	oz/a	3-4 LEAF	98 a	98 a	97 bcd	98 bcd	97 c
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
6	No Loyant Londax MSO	60	%	0.037	lb 5 ai/a	1	oz/a	3-4 LEAF	98 a	97 ab	96 cd	96 e	98 bc
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
7	No Loyant Strada MSO	50	%	0.065	lb 6 ai/a	2.1	oz/a	3-4 LEAF	79 c	98 a	97 cd	97 de	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
8	No Loyant Strada XT MSO	70	%	0.438	lb ai/a	10	oz/a	3-4 LEAF	88 b	96 b	95 d	97 cd	98 ab
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
9	Loyant No Mix Partner MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	99 a	98 a	99 a	99 a	99 ab
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
10	Loyant Grasp MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	99 a	99 a	99 ab	99 ab	99 a
		2	LB/GA L	0.036	lb ai/a	2.3	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
11	Loyant Permit MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	99 a	99 a	98 abc	99 ab	99 a
		75	%	0.047	lb ai/a	1	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	99 a	98 a	98 abc	99 ab	99 a
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	98 a	98 a	99 ab	98 abc	98 ab
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	98 a	98 ab	98 abc	99 ab	99 ab
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	97 a	98 a	98 abc	98 abc	98 ab
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	99 a	98 a	98 abc	99 ab	99 ab
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					3.1	1.9	2.1	1.1	0.9
Standard Deviation					2.2	1.3	1.5	0.8	0.6
CV					2.39	1.45	1.63	0.87	0.7
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.442	1.461	1.279	2.041	0.139
Replicate Prob(F)					0.7243	0.2377	0.2931	0.1216	0.9363
Treatment F					524.325	1345.607	1072.650	3758.841	5867.181
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID:	C18- 20	Location:	RRS-Crowley	Trial Year:	2018
Protocol ID:	C18- 20	Investigator:	Eric P. Webster		
Project ID:		Study Director:			
		Sponsor Contact:			

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	SEBEX May/15/18 CONTROL % 15 DA 3-4LF 0	SEBEX May/28/18 CONTROL % 28 DA 3-4LF 0	SEBEX Jun/11/18 CONTROL % 42 DA 3-4LF 0	SEBEX Jun/25/18 CONTROL % 56 DA 3-4LF 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage		21*	22*	23*	24*	25*
1 No Loyant No Mix Partner MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		0 c	0 c	0 c	25 b	63 ef
2 No Loyant Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	3-4 LEAF		98 a	98 a	98 ab	99 a	86 bc
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
3 No Loyant Permit	75 %	0.047 lb ai/a	1 oz/a	3-4 LEAF		98 a	99 a	99 a	99 a	66 ef
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
4 No Loyant Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF		97 a	98 a	98 ab	99 a	102 a
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
5 No Loyant League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF		99 a	98 a	98 ab	98 a	58 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
6 No Loyant Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF		98 a	96 a	97 b	99 a	61 f
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
7 No Loyant Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF		98 a	96 a	98 ab	99 a	72 de
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
8 No Loyant Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF		95 a	97 a	98 ab	99 a	76 d
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
9 Loyant No Mix Partner MSO	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		98 a	99 a	99 a	99 a	96 a
10 Loyant Grasp	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		98 a	98 a	99 a	99 a	100 a
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
11 Loyant Permit	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF		99 a	98 a	99 a	99 a	99 a
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	93 a	99 a	99 a	98 a	103 a
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	98 a	98 a	99 a	99 a	99 a
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	76 b	98 a	99 a	99 a	100 a
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	98 a	98 a	99 a	98 a	79 cd
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	98 a	76 b	98 ab	99 a	95 ab
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					16.0	15.8	1.1	17.7	9.1
Standard Deviation					11.2	11.1	0.8	12.4	6.4
CV					12.46	12.31	0.81	13.2	7.58
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.766	1.271	1.296	0.991	2.647
Replicate Prob(F)					0.1672	0.2956	0.2873	0.4054	0.0604
Treatment F					19.322	19.766	4295.934	8.858	26.489
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides				
Trial ID: C18- 20	Location: RRS-Crowley	Trial Year: 2018		
Protocol ID: C18- 20	Investigator: Eric P. Webster			
Project ID:	Study Director:			
	Sponsor Contact:			

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST 0	RICE Jul/30/18 YIELD g/plot AT HARVEST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	26*	27*	28*	29*	30*
1	No Loyant No Mix Partner MSO	100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF	64 de	65 fg	65 d	64 de	0 f
2	No Loyant Grasp MSO	2 LB/GA L		0.036 lb ai/a		2.3 oz/a		3-4 LEAF	86 b	88 cd	86 b	87 b	637 d
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
3	No Loyant Permit MSO	75 %		0.047 lb ai/a		1 oz/a		3-4 LEAF	70 cde	70 f	70 cd	69 de	0 f
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
4	No Loyant Regiment MSO	80 %		0.03 lb ai/a		0.6 oz/a		3-4 LEAF	102 a	102 a	103 a	102 a	957 c
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
5	No Loyant League MSO	75 %		0.188 lb ai/a		4 oz/a		3-4 LEAF	64 de	59 g	62 d	61 e	0 f
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
6	No Loyant Londax MSO	60 %		0.037 lb 5 ai/a		1 oz/a		3-4 LEAF	60 e	64 fg	71 cd	64 de	0 f
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
7	No Loyant Strada MSO	50 %		0.065 lb 6 ai/a		2.1 oz/a		3-4 LEAF	71 cd	73 ef	70 cd	71 cd	0 f
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
8	No Loyant Strada XT MSO	70 %		0.438 lb ai/a		10 oz/a		3-4 LEAF	80 bc	80 de	83 b	80 bc	561 d
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
9	Loyant No Mix Partner MSO	25.0 5 g/L		0.026 lb ai/a		16 oz/a		3-4 LEAF	97 a	98 abc	97 a	97 a	1312 ab
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
10	Loyant Grasp MSO	25.0 5 g/L		0.026 lb ai/a		16 oz/a		3-4 LEAF	103 a	102 a	99 a	101 a	1439 a
		2 LB/GA L		0.036 lb ai/a		2.3 oz/a		3-4 LEAF					
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					
11	Loyant Permit MSO	25.0 5 g/L		0.026 lb ai/a		16 oz/a		3-4 LEAF	100 a	102 a	98 a	100 a	1033 c
		75 %		0.047 lb ai/a		1 oz/a		3-4 LEAF					
		100 %		0.5 %	v/v	9.6 oz/a		3-4 LEAF					

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	102 a	100 ab	106 a	102 a	1297 ab
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	99 a	99 ab	97 a	99 a	1022 c
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	101 a	101 a	103 a	101 a	1252 b
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	78 bc	80 de	79 bc	79 bc	358 e
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	97 a	92 bc	98 a	95 a	1208 b
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					10.1	9.6	10.3	8.3	172.0
Standard Deviation					7.1	6.8	7.3	5.8	120.7
CV					8.24	7.9	8.39	6.76	17.45
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.173	0.321	0.214	0.764	5.456
Replicate Prob(F)					0.3308	0.8104	0.8864	0.5201	0.0028
Treatment F					20.404	21.331	17.609	29.540	86.128
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With ALS Herbicides					
Trial ID: C18- 20	Location:	RRS-Crowley	Trial Year:	2018	
Protocol ID: C18- 20	Investigator:	Eric P. Webster			
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code							RICE	RICE
Rating Date							Jul/30/18	Jul/30/18
Rating Type							YIELD	YIELD
Rating Unit							LB/A	KG/HA
Trt-Eval Interval							AT HARVEST	AT HARVEST
Number of Decimals							0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage
1	No Loyant							
	No Mix							
	Partner							
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
							31*	32*
2	No Loyant							
	Grasp	2 LB/GA		0.036 lb		2.3 oz/a		
		L		ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
3	No Loyant							
	Permit	75 %		0.047 lb		1 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
4	No Loyant							
	Regiment	80 %		0.03 lb		0.6 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
5	No Loyant							
	League	75 %		0.188 lb		4 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
6	No Loyant							
	Londax	60 %		0.037 lb		1 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
7	No Loyant							
	Strada	50 %		0.065 lb		2.1 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
8	No Loyant							
	Strada XT	70 %		0.438 lb		10 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
9	Loyant	25.0		0.026 lb		16 oz/a		
		5 g/L		ai/a				
	No Mix							
	Partner							
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
10	Loyant	25.0		0.026 lb		16 oz/a		
		5 g/L		ai/a				
	Grasp	2 LB/GA		0.036 lb		2.3 oz/a		
		L		ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF
11	Loyant	25.0		0.026 lb		16 oz/a		
		5 g/L		ai/a				
	Permit	75 %		0.047 lb		1 oz/a		
				ai/a				
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	3977 ab	4457 ab
Regiment	80 %	0.03 lb ai/a	0.6 oz/a	3-4 LEAF		
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	3132 c	3511 c
League	75 %	0.188 lb ai/a	4 oz/a	3-4 LEAF		
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		
14 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	3839 b	4303 b
Londax	60 %	0.037 lb 5 ai/a	1 oz/a	3-4 LEAF		
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		
15 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	1097 e	1229 e
Strada	50 %	0.065 lb 6 ai/a	2.1 oz/a	3-4 LEAF		
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		
16 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	3702 b	4149 b
Strada XT	70 %	0.438 lb ai/a	10 oz/a	3-4 LEAF		
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF		
LSD P=.05					527.2	590.9
Standard Deviation					370.2	414.9
CV					17.45	17.45
Analyzed as					RCB	RCB
Replicate F					5.456	5.456
Replicate Prob(F)					0.0028	0.0028
Treatment F					86.128	86.128
Treatment Prob(F)					0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant Mixed With Contact Herbicides

Experiment number..... : **C18-21**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date : 04/05/18
Harvest date : 07/30/18

Application type : 3-4 LEAF
Date applied [mm/dd/yy] : 04/30/18
Time [hh:mm-hh:mm] : 11:15-11:30
Air/Soil temperature [F] : 79/70
Relative humidity [%]..... : 50%
Wind [mph, direction] : 5-8, E
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage/Height : 3-4 Leaf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/33
Applied by..... : SYR

Weed Species (population) : (height/#leaves) -
ECHCG (200-300 m⁻²)..... : 1-4"/1-4lf
CYPES (15-20 m⁻²) : 3-10"/3-15lf
CYPIR (100-150 m⁻²)..... : 1-2"/3-6lf
AESIN (1-5 m⁻²)..... : 1-3"/2-3lf
SEBEX (1-5 m⁻²)..... : 1-3"/1-2lf

Flush Dates : NA
Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/15/18 INJURY % 15 DA 3-4LF 0	RICE May/28/18 INJURY % 28 DA 3-4LF 0	RICE Jun/11/18 INJURY % 42 DA 3-4LF 0	RICE Jun/25/18 INJURY % 56 DA 3-4LF 0	ECHCG May/15/18 CONTROL % 15 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	No Loyant No Contact Herbicide MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e
2	No Loyant Aim MSO	2	LB/GA L	0.015	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	0 e
3	No Loyant Bolero	8	LB/GA L	3	lb ai/a	48	oz/a	3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	0 e
4	No Loyant Basagran MSO	5	LB/GA L	0.94	lb ai/a	24	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	0 e
5	No Loyant Propanil	4	LB/GA L	3	lb ai/a	96	oz/a	3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	34 c
6	No Loyant Sharpen MSO	2.85	LB/GA L	0.022	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	0 e
7	Loyant No Contact Herbicide MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	75 a
8	Loyant Aim MSO	25.0 2	g/L LB/GA L	0.026 0.015	lb ai/a ai/a	16	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	63 b
9	Loyant Bolero	25.0 8	g/L LB/GA L	0.026 3	lb ai/a ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	40 c
10	Loyant Basagran MSO	25.0 5	g/L LB/GA L	0.026 0.94	lb ai/a ai/a	16	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	35 c
11	Loyant Propanil	25.0 4	g/L LB/GA L	0.026 3	lb ai/a ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	0 -	0 -	0 -	0 -	18 d

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	38 c
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					.	.	.	.	8.9
Standard Deviation					0.0	0.0	0.0	0.0	6.2
CV					0.0	0.0	0.0	0.0	24.68
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.000	0.000	0.000	0.000	0.231
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.8744
Treatment F					0.000	0.000	0.000	0.000	72.398
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG	CYPES	CYPES		
Rating Date							May/28/18	Jun/11/18	Jun/25/18	May/15/18	May/28/18		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%		
Trt-Eval Interval							28 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF	15 DA 3-4LF	28 DA 3-4LF		
Number of Decimals							0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	6*	7*	8*	9*	10*
1	No Loyant							3-4 LEAF	0 f	0 e	0 f	0 f	0 f
	No Contact												
	Herbicide												
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
2	No Loyant							3-4 LEAF	0 f	0 e	0 f	9 e	11 e
	Aim	2 LB/GA		0.015 lb		1 oz/a		3-4 LEAF					
		L		6 ai/a									
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
3	No Loyant							3-4 LEAF	0 f	0 e	0 f	6 ef	11 e
	Bolero	8 LB/GA		3 lb		48 oz/a		3-4 LEAF					
		L		ai/a									
4	No Loyant							3-4 LEAF	0 f	0 e	0 f	89 a	90 a
	Basagran	5 LB/GA		0.94 lb		24 oz/a		3-4 LEAF					
		L		ai/a									
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
5	No Loyant							3-4 LEAF	39 d	39 c	36 d	31 c	31 c
	Propanil	4 LB/GA		3 lb		96 oz/a		3-4 LEAF					
		L		ai/a									
6	No Loyant							3-4 LEAF	0 f	0 e	0 f	21 d	21 d
	Sharpen	2.85 LB/GA		0.022 lb		1 oz/a		3-4 LEAF					
		L		3 ai/a									
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
7	Loyant	25.0		0.026 lb		16 oz/a		3-4 LEAF	79 a	71 a	70 a	68 b	78 b
		5 g/L		ai/a									
	No Contact												
	Herbicide												
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
8	Loyant	25.0		0.026 lb		16 oz/a		3-4 LEAF	70 b	59 b	61 b	70 b	75 b
		5 g/L		ai/a									
	Aim	2 LB/GA		0.015 lb		1 oz/a		3-4 LEAF					
		L		6 ai/a									
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
9	Loyant	25.0		0.026 lb		16 oz/a		3-4 LEAF	43 d	39 c	44 c	70 b	76 b
		5 g/L		ai/a									
	Bolero	8 LB/GA		3 lb		48 oz/a		3-4 LEAF					
		L		ai/a									
10	Loyant	25.0		0.026 lb		16 oz/a		3-4 LEAF	50 c	38 c	41 cd	84 a	93 a
		5 g/L		ai/a									
	Basagran	5 LB/GA		0.94 lb		24 oz/a		3-4 LEAF					
		L		ai/a									
	MSO	100 %		0.5 % v/v		9.6 oz/a		3-4 LEAF					
11	Loyant	25.0		0.026 lb		16 oz/a		3-4 LEAF	16 e	16 d	20 e	71 b	76 b
		5 g/L		ai/a									
	Propanil	4 LB/GA		3 lb		96 oz/a		3-4 LEAF					
		L		ai/a									

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	38 d	36 c	41 cd	71 b	75 b
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					5.9	7.1	5.9	7.4	8.1
Standard Deviation					4.1	4.9	4.1	5.1	5.6
CV					14.85	19.78	15.8	10.4	10.6
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.821	1.992	0.600	0.797	0.517
Replicate Prob(F)					0.1624	0.1343	0.6193	0.5043	0.6737
Treatment F					198.158	107.945	159.416	166.058	153.177
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Protocol ID: C10-E1 Investigator: Eric F. Webster													
Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR	
Rating Date								Jun/11/18	Jun/25/18	May/15/18	May/28/18	Jun/11/18	
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit								%	%	%	%	%	
Trt-Eval Interval								42 DA 3-4LF	56 DA 3-4LF	15 DA 3-4LF	28 DA 3-4LF	42 DA 3-4LF	
Number of Decimals								0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	11*	12*	13*	14*	15*
1	No Loyant							3-4 LEAF	0 e	0 e	0 f	0 e	0 e
	No Contact												
	Herbicide												
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
2	No Loyant							3-4 LEAF	26 c	29 d	8 e	19 d	24 d
	Aim	2	LB/GA	0.015	lb		1 oz/a	3-4 LEAF					
		L		6	ai/a								
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
3	No Loyant							3-4 LEAF	18 d	29 d	8 e	14 de	19 d
	Bolero	8	LB/GA	3	lb		48 oz/a	3-4 LEAF					
		L		ai/a									
4	No Loyant							3-4 LEAF	93 a	94 a	89 b	95 ab	97 a
	Basagran	5	LB/GA	0.94	lb		24 oz/a	3-4 LEAF					
		L		ai/a									
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
5	No Loyant							3-4 LEAF	33 c	34 cd	36 c	49 c	31 c
	Propanil	4	LB/GA	3	lb		96 oz/a	3-4 LEAF					
		L		ai/a									
6	No Loyant							3-4 LEAF	31 c	35 c	26 d	35 c	41 b
	Sharpen	2.85	LB/GA	0.022	lb		1 oz/a	3-4 LEAF					
		L		3	ai/a								
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
7	Loyant	25.0	g/L	0.026	lb		16 oz/a	3-4 LEAF	78 b	83 b	93 ab	97 a	98 a
	No Contact	5		ai/a									
	Herbicide												
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
8	Loyant	25.0	g/L	0.026	lb		16 oz/a	3-4 LEAF	80 b	83 b	97 a	99 a	99 a
		5		ai/a									
	Aim	2	LB/GA	0.015	lb		1 oz/a	3-4 LEAF					
		L		6	ai/a								
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
9	Loyant	25.0	g/L	0.026	lb		16 oz/a	3-4 LEAF	79 b	81 b	94 ab	98 a	99 a
		5		ai/a									
	Bolero	8	LB/GA	3	lb		48 oz/a	3-4 LEAF					
		L		ai/a									
10	Loyant	25.0	g/L	0.026	lb		16 oz/a	3-4 LEAF	96 a	99 a	98 a	99 a	99 a
		5		ai/a									
	Basagran	5	LB/GA	0.94	lb		24 oz/a	3-4 LEAF					
		L		ai/a									
	MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
11	Loyant	25.0	g/L	0.026	lb		16 oz/a	3-4 LEAF	75 b	83 b	97 a	99 a	98 a
		5		ai/a									
	Propanil	4	LB/GA	3	lb		96 oz/a	3-4 LEAF					
		L		ai/a									

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	81 b	84 b	98 a	83 b	98 a
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					7.1	6.0	5.6	14.2	6.0
Standard Deviation					4.9	4.2	3.9	9.9	4.2
CV					8.58	6.88	6.26	15.1	6.25
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.614	0.896	0.704	1.147	0.360
Replicate Prob(F)					0.6106	0.4538	0.5562	0.3445	0.7826
Treatment F					181.972	248.878	470.050	62.936	362.831
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPIR Jun/25/18 CONTROL % 56 DA 3-4LF 0	AESIN May/15/18 CONTROL % 15 DA 3-4LF 0	AESIN May/28/18 CONTROL % 28 DA 3-4LF 0	AESIN Jun/11/18 CONTROL % 42 DA 3-4LF 0	AESIN Jun/25/18 CONTROL % 56 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*
1	No Loyant No Contact Herbicide MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 d	0 c	0 c	0 e	0 c
2	No Loyant Aim MSO	2	LB/GA L	0.015	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	26 c	99 a	98 a	98 bc	64 b
3	No Loyant Bolero	8	LB/GA L	3	lb ai/a	48	oz/a	3-4 LEAF 3-4 LEAF	30 c	98 a	96 a	97 cd	66 b
4	No Loyant Basagran MSO	5	LB/GA L	0.94	lb ai/a	24	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	97 a	98 a	98 a	99 ab	98 a
5	No Loyant Propanil	4	LB/GA L	3	lb ai/a	96	oz/a	3-4 LEAF 3-4 LEAF	50 b	85 b	92 b	96 d	78 ab
6	No Loyant Sharpen MSO	2.85	LB/GA L	0.022	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	44 b	99 a	98 a	99 ab	71 b
7	Loyant No Contact Herbicide MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	98 a	97 a	98 a	99 ab	99 a
8	Loyant Aim MSO	25.0 2	g/L LB/GA L	0.026 0.015	lb ai/a lb ai/a	16 1	oz/a oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	99 a	98 a	98 a	99 ab	99 a
9	Loyant Bolero	25.0 8	g/L LB/GA L	0.026 3	lb ai/a lb ai/a	16 48	oz/a oz/a	3-4 LEAF 3-4 LEAF	98 a	98 a	98 a	98 ab	98 a
10	Loyant Basagran MSO	25.0 5	g/L LB/GA L	0.026 0.94	lb ai/a lb ai/a	16 24	oz/a oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	99 a	98 a	98 a	99 a	99 a
11	Loyant Propanil	25.0 4	g/L LB/GA L	0.026 3	lb ai/a lb ai/a	16 96	oz/a oz/a	3-4 LEAF 3-4 LEAF	98 a	98 a	98 a	99 ab	98 a

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	99 a	99 a	98 a	99 ab	99 a
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05					13.5	11.2	2.9	1.2	25.7
Standard Deviation					9.4	7.8	2.0	0.9	17.8
CV					13.46	8.73	2.28	0.95	22.16
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.902	0.809	0.904	1.247	4.439
Replicate Prob(F)					0.4504	0.4980	0.4495	0.3083	0.0100
Treatment F					62.115	53.088	767.853	4372.567	10.629
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code	SEBEX	SEBEX	SEBEX	SEBEX	RICE
Rating Date	May/15/18	May/28/18	Jun/11/18	Jun/25/18	Jul/25/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT
Rating Unit	%	%	%	%	cm
Trt-Eval Interval	15 DA 3-4LF	28 DA 3-4LF	42 DA 3-4LF	56 DA 3-4LF	AT HARVEST
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other
No. Name	Conc	Unit	Rate	Unit	Rate
					Unit
					Stage
1 No Loyant No Contact Herbicide MSO	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF
2 No Loyant Aim MSO	2 LB/GA L		0.015 lb 6 ai/a	1 oz/a	3-4 LEAF
3 No Loyant Bolero	8 LB/GA L		3 lb ai/a	48 oz/a	3-4 LEAF
4 No Loyant Basagran MSO	5 LB/GA L		0.94 lb ai/a	24 oz/a	3-4 LEAF
5 No Loyant Propanil	4 LB/GA L		3 lb ai/a	96 oz/a	3-4 LEAF
6 No Loyant Sharpen MSO	2.85 LB/GA L		0.022 lb 3 ai/a	1 oz/a	3-4 LEAF
7 Loyant No Contact Herbicide MSO	25.0 5 g/L		0.026 lb ai/a	16 oz/a	3-4 LEAF
8 Loyant Aim MSO	25.0 5 g/L		0.026 lb ai/a	16 oz/a	3-4 LEAF
9 Loyant Bolero	25.0 5 g/L		0.026 lb ai/a	16 oz/a	3-4 LEAF
10 Loyant Basagran MSO	25.0 5 g/L		0.026 lb ai/a	16 oz/a	3-4 LEAF
11 Loyant Propanil	25.0 5 g/L		0.026 lb ai/a	16 oz/a	3-4 LEAF

12 Loyant	25.0 5	g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	99 a	99 a	98 ab	99 a	82 c
Sharpen	2.85	LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF					
MSO	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05						0.9	2.5	1.3	1.7	9.6
Standard Deviation						0.6	1.8	0.9	1.2	6.7
CV						0.71	1.98	1.0	1.33	8.5
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.337	0.449	1.660	1.265	5.030
Replicate Prob(F)						0.7984	0.7194	0.1945	0.3022	0.0063
Treatment F						7829.283	1012.122	3983.378	2259.489	16.697
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPEATS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	26*	27*	28*	29*
1	No Loyant No Contact Herbicide MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	63 c	65 de	59 g	62 f
2	No Loyant Aim MSO	2	LB/GA L	0.015	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	67 c	71 de	74 de	70 ef
3	No Loyant Bolero	8	LB/GA L	3	lb ai/a	48	oz/a	3-4 LEAF 3-4 LEAF	67 c	70 de	69 efg	69 ef
4	No Loyant Basagran MSO	5	LB/GA L	0.94	lb ai/a	24	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	57 c	61 e	67 efg	63 ef
5	No Loyant Propanil	4	LB/GA L	3	lb ai/a	96	oz/a	3-4 LEAF 3-4 LEAF	69 bc	68 de	72 ef	69 ef
6	No Loyant Sharpen MSO	2.85	LB/GA L	0.022	lb ai/a	1	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	62 c	67 de	61 fg	64 ef
7	Loyant No Contact Herbicide MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	102 a	99 a	101 a	101 a
8	Loyant Aim MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	96 a	96 ab	99 ab	97 ab
9	Loyant Bolero	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	96 a	90 abc	89 bc	92 bc
10	Loyant Basagran MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF 3-4 LEAF	80 b	88 bc	88 c	86 cd
11	Loyant Propanil	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF 3-4 LEAF	71 bc	73 d	75 de	72 e

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	82 b	85 c	85 cd	84 d
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF				
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF				
LSD P=.05					12.6	9.5	9.9	8.2
Standard Deviation					8.7	6.6	6.8	5.7
CV					11.22	8.28	8.57	7.21
Analyzed as					RCB	RCB	RCB	RCB
Replicate F					1.545	4.202	4.693	4.606
Replicate Prob(F)					0.2249	0.0142	0.0092	0.0094
Treatment F					10.258	14.201	14.290	22.062
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Contact Herbicides

Trial ID: C18-21 Location: RRS-Crowley Trial Year: 2018
Protocol ID: C18-21 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jul/30/18 WEIGHT g AT HARVEST 0	RICE Jul/30/18 YIELD LB/A AT HARVEST 0	RICE Jul/30/18 YIELD KG/HA AT HARVEST 0	RICE Jul/30/18 MOISTURE % AT HARVEST	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	30*	31*	32*	33
1	No Loyant No Contact Herbicide MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 e	0 e	0 e	
2	No Loyant Aim MSO	2	LB/GA L	0.015	lb ai/a	1	oz/a	3-4 LEAF	0 e	0 e	0 e	
3	No Loyant Bolero	8	LB/GA L	3	lb ai/a	48	oz/a	3-4 LEAF	0 e	0 e	0 e	
4	No Loyant Basagran MSO	5	LB/GA L	0.94	lb ai/a	24	oz/a	3-4 LEAF	0 e	0 e	0 e	
5	No Loyant Propanil	4	LB/GA L	3	lb ai/a	96	oz/a	3-4 LEAF	0 e	0 e	0 e	
6	No Loyant Sharpen MSO	2.85	LB/GA L	0.022	lb ai/a	1	oz/a	3-4 LEAF	0 e	0 e	0 e	
7	Loyant No Contact Herbicide MSO	25.0 5	g/L	0.026	lb ai/a	16	oz/a	3-4 LEAF	1539 a	4478 a	5020 a	17.10
8	Loyant Aim MSO	25.0 2	g/L LB/GA L	0.026 0.015	lb ai/a lb ai/a	16 1	oz/a oz/a	3-4 LEAF	1095 b	3187 b	3573 b	16.30
9	Loyant Bolero	25.0 8	g/L LB/GA L	0.026 3	lb ai/a lb ai/a	16 48	oz/a oz/a	3-4 LEAF	816 c	2375 c	2663 c	16.80
10	Loyant Basagran MSO	25.0 5	g/L LB/GA L	0.026 0.94	lb ai/a lb ai/a	16 24	oz/a oz/a	3-4 LEAF	786 c	2287 c	2564 c	17.00
11	Loyant Propanil	25.0 4	g/L LB/GA L	0.026 3	lb ai/a lb ai/a	16 96	oz/a oz/a	3-4 LEAF	0 e	0 e	0 e	

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	3-4 LEAF	648 d	1886 d	2114 d	16.43
Sharpen	2.85 LB/GA L	0.022 lb 3 ai/a	1 oz/a	3-4 LEAF				
MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF				
LSD P=.05					127.4	370.9	415.8	.
Standard Deviation					88.6	257.8	289.0	.
CV					21.77	21.77	21.77	.
Analyzed as					RCB	RCB	RCB	FAC
Replicate F					0.528	0.528	0.528	
Replicate Prob(F)					0.6662	0.6662	0.6662	
Treatment F					152.125	152.125	152.125	
Treatment Prob(F)					0.0001	0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant Mixed With Graminicides

Experiment number..... : **C18-22**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date : 04/05/18
Harvest date : 07/30/18

Application type : 3-4 LEAF
Date applied [mm/dd/yy] : 04/30/18
Time [hh:mm-hh:mm] : 10:35-10:50a
Air/Soil temperature [F] : 80/72
Relative humidity [%]..... : 67%
Wind [mph, direction] : 4-6, SE
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage..... : 3-5 Leaf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/27
Applied by..... : SYR

Weed Species (population) : (height/#leaves) -
ECHCG (300-400 m⁻²)..... : 1-3"/1-4lf
CYPES (45-50 m⁻²) : 3-10"/3-12lf
CYPPIR (60-80 m⁻²)..... : 1-2"/3-6lf
AESIN (1-5 m⁻²)..... : 1-4"/1-3lf
SEBEX (1-5 m⁻²)..... : 1-4"/1-2lf

Flush Dates : NA
Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant Mixed With Graminocides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE May/15/18 INJURY %	RICE May/28/18 INJURY %	RICE Jun/11/18 INJURY %	RICE Jun/25/18 INJURY %	ECHCG May/15/18 CONTROL %
15 DA 3-4LF	0	28 DA 3-4LF	0	42 DA 3-4LF	0	56 DA 3-4LF	0	15 DA 3-4LF	0	
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage	1*	2*	3*	4*	5*	
1 No Loyant No Mix Partner MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	0 e	
2 No Loyant Clincher MSO	2.38 LBA/GA L	0.28 lb ai/a	15 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	61 d	
	100 %	0.83 % v/v	16 oz/a	3-4 LEAF						
3 No Loyant Ricestar HT MSO	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	65 d	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
4 No Loyant Provisia MSO	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	97 a	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
5 Loyant No Mix Partner MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	80 b	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
6 Loyant Clincher MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	78 bc	
	2.38 LBA/GA L	0.28 lb ai/a	15 oz/a	3-4 LEAF						
	100 %	0.83 % v/v	16 oz/a	3-4 LEAF						
7 Loyant Ricestar HT MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	73 c	
	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF						
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
8 Loyant Provisia MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	0 -	0 -	0 -	0 -	97 a	
	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF						
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
LSD P=.05					.	.	.	.	6.1	
Standard Deviation					0.0	0.0	0.0	0.0	4.2	
CV					0.0	0.0	0.0	0.0	6.04	
Analyzed as					RCB	RCB	RCB	RCB	RCB	
Replicate F					0.000	0.000	0.000	0.000	0.407	
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.7498	
Treatment F					0.000	0.000	0.000	0.000	219.360	
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001	

LSU AgCenter SPESS

Loyant Mixed With Graminocides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Conduct								ECHCG May/28/18 CONTROL % 28 DA 3-4LF 0	ECHCG Jun/11/18 CONTROL % 42 DA 3-4LF 0	ECHCG Jun/25/18 CONTROL % 56 DA 3-4LF 0	CYPES May/15/18 CONTROL % 15 DA 3-4LF 0	CYPES May/28/18 CONTROL % 28 DA 3-4LF 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1	No Loyant No Mix Partner MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 d	0 e	0 d	0 c	0 b
2	No Loyant Clincher MSO	2.38	LBA/GA L	0.28	lb ai/a	15	oz/a	3-4 LEAF	55 c	30 d	34 c	0 c	0 b
		100	%	0.83	% v/v	16	oz/a	3-4 LEAF					
3	No Loyant Ricestar HT MSO	0.58	LBA/GA L	0.05	lb ai/a	13	oz/a	3-4 LEAF	50 c	28 d	33 c	0 c	0 b
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
4	No Loyant Provisia MSO	0.88	LB/GAL	0.10	lb ai/a	15.5	oz/a	3-4 LEAF	99 a	99 a	99 a	0 c	0 b
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
5	Loyant No Mix Partner MSO	25.0 5	g/L	0.02	lb ai/a	16	oz/a	3-4 LEAF	85 b	79 b	66 b	90 b	98 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
6	Loyant Clincher MSO	25.0 5	g/L	0.02	lb ai/a	16	oz/a	3-4 LEAF	85 b	70 c	65 b	92 ab	98 a
		2.38	LBA/GA L	0.28	lb ai/a	15	oz/a	3-4 LEAF					
		100	%	0.83	% v/v	16	oz/a	3-4 LEAF					
7	Loyant Ricestar HT MSO	25.0 5	g/L	0.02	lb ai/a	16	oz/a	3-4 LEAF	84 b	66 c	64 b	91 b	98 a
		0.58	LBA/GA L	0.05	lb ai/a	13	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
8	Loyant Provisia MSO	25.0 5	g/L	0.02	lb ai/a	16	oz/a	3-4 LEAF	98 a	93 a	92 a	96 a	98 a
		0.88	LB/GAL	0.10	lb ai/a	15.5	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
LSD P=.05								8.2	5.4	7.7	4.9	1.5	
Standard Deviation								5.6	3.6	5.2	3.3	1.1	
CV								8.04	6.29	9.22	7.21	2.15	
Analyzed as								RCB	RCB	RCB	RCB	RCB	
Replicate F								1.333	2.017	0.881	2.882	0.331	
Replicate Prob(F)								0.2905	0.1423	0.4669	0.0600	0.8033	
Treatment F								142.087	369.182	159.090	879.765	9915.916	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Mixed With Graminocides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPES Jun/11/18 CONTROL %	CYPES Jun/25/18 CONTROL %	CYPIR May/15/18 CONTROL %	CYPIR May/28/18 CONTROL %	CYPIR Jun/11/18 CONTROL %
						42 DA 3-4LF 0	56 DA 3-4LF 0	15 DA 3-4LF 0	28 DA 3-4LF 0	42 DA 3-4LF 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage	11*	12*	13*	14*	15*
1 No Loyant No Mix Partner MSO	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF	0 b	0 b	0 c	0 d	0 c
2 No Loyant Clincher MSO	2.38 LBA/GA L	0.28 lb ai/a		15 oz/a	3-4 LEAF	0 b	0 b	0 c	0 d	0 c
	100 %		0.83 % v/v	16 oz/a	3-4 LEAF					
3 No Loyant Ricestar HT MSO	0.58 LBA/GA L	0.05 lb 9 ai/a		13 oz/a	3-4 LEAF	0 b	0 b	0 c	0 d	0 c
	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
4 No Loyant Provisia MSO	0.88 LB/GAL	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	0 b	0 b	0 c	0 d	0 c
	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
5 Loyant No Mix Partner MSO	25.0 g/L 5	0.02 lb 6 ai/a		16 oz/a	3-4 LEAF	98 a	99 a	96 ab	99 a	99 ab
	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
6 Loyant Clincher MSO	25.0 g/L 5	0.02 lb 6 ai/a		16 oz/a	3-4 LEAF	98 a	99 a	95 ab	98 c	99 a
	2.38 LBA/GA L	0.28 lb ai/a		15 oz/a	3-4 LEAF					
	100 %		0.83 % v/v	16 oz/a	3-4 LEAF					
7 Loyant Ricestar HT MSO	25.0 g/L 5	0.02 lb 6 ai/a		16 oz/a	3-4 LEAF	99 a	98 a	93 b	98 bc	99 b
	0.58 LBA/GA L	0.05 lb 9 ai/a		13 oz/a	3-4 LEAF					
	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
8 Loyant Provisia MSO	25.0 g/L 5	0.02 lb 6 ai/a		16 oz/a	3-4 LEAF	97 a	99 a	98 a	98 ab	99 b
	0.88 LB/GAL	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF					
	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF					
LSD P=.05						2.3	0.6	4.7	0.6	0.5
Standard Deviation						1.6	0.4	3.2	0.4	0.3
CV						3.2	0.82	6.62	0.88	0.65
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.380	0.706	2.801	1.129	1.928
Replicate Prob(F)						0.2765	0.5589	0.0650	0.3600	0.1561
Treatment F						4475.701	68274.255	1043.812	59637.200	108402.750
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Graminicides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPIR Jun/25/18 CONTROL % 56 DA 3-4LF 0	AESIN May/15/18 CONTROL % 15 DA 3-4LF 0	AESIN May/28/18 CONTROL % 28 DA 3-4LF 0	AESIN Jun/11/18 CONTROL % 42 DA 3-4LF 0	AESIN Jun/25/18 CONTROL % 56 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*
1	No Loyant No Mix Partner MSO	100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF	0 b	0 b	0 d	0 b	0 b
2	No Loyant Clincher MSO	2.38	LBA/GA L	0.28	lb ai/a	15	oz/a	3-4 LEAF	0 b	0 b	0 d	0 b	0 b
		100	%	0.83	% v/v	16	oz/a	3-4 LEAF					
3	No Loyant Ricestar HT MSO	0.58	LBA/GA L	0.05	lb 9 ai/a	13	oz/a	3-4 LEAF	0 b	0 b	0 d	0 b	0 b
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
4	No Loyant Provisia MSO	0.88	LB/GAL	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 b	0 b	0 d	0 b	0 b
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
5	Loyant No Mix Partner MSO	25.0 5	g/L	0.02	lb 6 ai/a	16	oz/a	3-4 LEAF	99 a	98 a	99 a	99 a	99 a
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
6	Loyant Clincher MSO	25.0 5	g/L	0.02	lb 6 ai/a	16	oz/a	3-4 LEAF	99 a	98 a	98 bc	99 a	99 a
		2.38	LBA/GA L	0.28	lb ai/a	15	oz/a	3-4 LEAF					
		100	%	0.83	% v/v	16	oz/a	3-4 LEAF					
7	Loyant Ricestar HT MSO	25.0 5	g/L	0.02	lb 6 ai/a	16	oz/a	3-4 LEAF	99 a	98 a	98 c	99 a	99 a
		0.58	LBA/GA L	0.05	lb 9 ai/a	13	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
8	Loyant Provisia MSO	25.0 5	g/L	0.02	lb 6 ai/a	16	oz/a	3-4 LEAF	99 a	99 a	99 ab	99 a	99 a
		0.88	LB/GAL	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF					
		100	%	0.5	% v/v	9.6	oz/a	3-4 LEAF					
LSD P=.05								0.5	0.8	0.5	0.5	0.5	
Standard Deviation								0.4	0.5	0.4	0.4	0.4	
CV								0.75	1.11	0.73	0.75	0.75	
Analyzed as								RCB	RCB	RCB	RCB	RCB	
Replicate F								1.522	2.520	1.909	0.828	2.032	
Replicate Prob(F)								0.2381	0.0856	0.1591	0.4933	0.1401	
Treatment F								81198.660	37068.004	84676.918	80427.331	80223.718	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Mixed With Graminicides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	SEBEX May/15/18 CONTROL % 15 DA 3-4LF 0	SEBEX May/28/18 CONTROL % 28 DA 3-4LF 0	SEBEX Jun/11/18 CONTROL % 42 DA 3-4LF 0	SEBEX Jun/25/18 CONTROL % 56 DA 3-4LF 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage	21*	22*	23*	24*	25*	
1 No Loyant No Mix Partner MSO	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF	0 b	0 b	0 b	0 b	68 c	
2 No Loyant Clincher MSO	2.38 LBA/GA L	0.28 lb ai/a	15 oz/a	3-4 LEAF	0 b	0 b	0 b	0 b	86 b	
	100 %	0.83 % v/v	16 oz/a	3-4 LEAF						
3 No Loyant Ricestar HT MSO	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF	0 b	0 b	0 b	0 b	80 b	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
4 No Loyant Provisia MSO	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 b	0 b	0 b	0 b	102 a	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
5 Loyant No Mix Partner MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	98 a	99 a	99 a	99 a	105 a	
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
6 Loyant Clincher MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	99 a	98 a	98 a	99 a	103 a	
	2.38 LBA/GA L	0.28 lb ai/a	15 oz/a	3-4 LEAF						
	100 %	0.83 % v/v	16 oz/a	3-4 LEAF						
7 Loyant Ricestar HT MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	99 a	99 a	99 a	99 a	104 a	
	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF						
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
8 Loyant Provisia MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	99 a	98 a	99 a	99 a	106 a	
	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF						
	100 %	0.5 % v/v	9.6 oz/a	3-4 LEAF						
LSD P=.05					0.7	0.8	0.6	0.6	7.9	
Standard Deviation					0.5	0.6	0.4	0.4	5.3	
CV					0.98	1.12	0.77	0.79	5.68	
Analyzed as					RCB	RCB	RCB	RCB	RCB	
Replicate F					0.490	1.235	1.167	1.317	3.353	
Replicate Prob(F)					0.6927	0.3219	0.3460	0.2954	0.0384	
Treatment F					47521.361	36433.592	77618.508	73869.364	29.578	
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Loyant Mixed With Graminicides

Trial ID: C18-22 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-22 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jul/25/18 HEIGHT cm AT HARVEST	RICE Jul/25/18 HEIGHT cm AT HARVEST	RICE Jul/25/18 HEIGHT cm AT HARVEST	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST	RICE Jul/30/18 WEIGHT g/plot AT HARVEST
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage	26*	27*	28*	29*	30*
1 No Loyant No Mix Partner MSO	100 %		0.5 % v/v	9.6 oz/a	3-4 LEAF	66 c	70 d	72 d	69 c	0 d
2 No Loyant Clincher MSO	2.38 LBA/GA L	0.28 lb ai/a	15 oz/a	3-4 LEAF	3-4 LEAF	86 b	86 c	91 b	87 b	784 c
3 No Loyant Ricestar HT MSO	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF	3-4 LEAF	83 b	85 c	82 c	82 b	743 c
4 No Loyant Provisia MSO	0.88 LB/GAL	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	3-4 LEAF	102 a	103 ab	103 a	103 a	1233 ab
5 Loyant No Mix Partner MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	3-4 LEAF	104 a	103 ab	105 a	104 a	1203 b
6 Loyant Clincher MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	3-4 LEAF	103 a	104 ab	106 a	104 a	1340 ab
7 Loyant Ricestar HT MSO	0.58 LBA/GA L	0.05 lb 9 ai/a	13 oz/a	3-4 LEAF	3-4 LEAF	101 a	100 b	99 a	101 a	1381 ab
8 Loyant Provisia MSO	25.0 5 g/L	0.02 lb 6 ai/a	16 oz/a	3-4 LEAF	3-4 LEAF	106 a	109 a	107 a	107 a	1470 a
LSD P=.05						7.5	8.3	8.1	6.8	266.4
Standard Deviation						5.1	5.7	5.5	4.6	181.2
CV						5.47	5.95	5.78	4.86	17.78
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.365	2.311	0.710	1.779	0.781
Replicate Prob(F)						0.2807	0.1056	0.5571	0.1820	0.5179
Treatment F						30.427	22.297	21.748	35.346	29.356
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Mixed With Graminocides									
Trial ID: C18-22		Location: RRS-Crowley		Trial Year: 2018					
Protocol ID: C18-22		Investigator: Eric P. Webster							
Project ID:		Study Director:							
		Sponsor Contact:							
Pest Code							RICE	RICE	
Rating Date							Jul/30/18	Jul/30/18	
Rating Type							YIELD	YIELD	
Rating Unit							KG/HA	LB/A	
Trt-Eval Interval							AT HARVEST	AT HARVEST	
Number of Decimals							0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	
1	No Loyant								
	No Mix								
	Partner								
	MSO	100 %		0.5 %	v/v	9.6 oz/a		31*	32*
2	No Loyant							0 d	0 d
	Clincher	2.38	LBA/GA L	0.28	lb ai/a	15 oz/a		2599 c	2320 c
	MSO	100 %		0.83 %	v/v	16 oz/a			
3	No Loyant							2462 c	2197 c
	Ricestar HT	0.58	LBA/GA L	0.05	lb 9 ai/a	13 oz/a			
	MSO	100 %		0.5 %	v/v	9.6 oz/a			
4	No Loyant							4086 ab	3647 ab
	Provisia	0.88	LB/GAL	0.10	lb 7 ai/a	15.5 oz/a			
	MSO	100 %		0.5 %	v/v	9.6 oz/a			
5	Loyant	25.0	g/L	0.02	lb 6 ai/a	16 oz/a		3988 b	3559 b
	No Mix	5							
	Partner								
	MSO	100 %		0.5 %	v/v	9.6 oz/a			
6	Loyant	25.0	g/L	0.02	lb 6 ai/a	16 oz/a		4443 ab	3966 ab
		5							
	Clincher	2.38	LBA/GA L	0.28	lb ai/a	15 oz/a			
	MSO	100 %		0.83 %	v/v	16 oz/a			
7	Loyant	25.0	g/L	0.02	lb 6 ai/a	16 oz/a		4578 ab	4086 ab
		5							
	Ricestar HT	0.58	LBA/GA L	0.05	lb 9 ai/a	13 oz/a			
	MSO	100 %		0.5 %	v/v	9.6 oz/a			
8	Loyant	25.0	g/L	0.02	lb 6 ai/a	16 oz/a		4873 a	4349 a
		5							
	Provisia	0.88	LB/GAL	0.10	lb 7 ai/a	15.5 oz/a			
	MSO	100 %		0.5 %	v/v	9.6 oz/a			
LSD P=.05							883.4	788.5	
Standard Deviation							600.7	536.2	
CV							17.78	17.78	
Analyzed as							RCB	RCB	
Replicate F							0.781	0.781	
Replicate Prob(F)							0.5179	0.5179	
Treatment F							29.356	29.356	
Treatment Prob(F)							0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Evaluation of Products in a Salvage Situation

Experiment number..... : **C18-23**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 07/30/18

Application type.....	PRE	SALVAGE
Date applied [mm/dd/yy]	03/23/18	5/30/18
Time [hh:mm-hh:mm]	09:40-9:46a	9:45-10:15a
Air/Soil temperature [F]	66/70	85/82
Relative humidity [%].....	76%	69%
Wind [mph, direction]	8, SE	4-6, SSW
Weather [sunny, etc]	Pt Cloudy	Pt. Cloudy
Soil/Leaf surface moist.....	Dry/Dry	Flood/Dry
Crop stage/Height	N/A	2-3 TIL/15-17"
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by.....	SYR	SYR

Weed Species (population)	----- (height/#leaves) -----
ALRPH (10-15 m ⁻²).....	18-30"/20-40 LF
CNPPA (2-8 m ⁻²)	15-30"/10-15 LF
CYPES (10-30 m ⁻²)	15-20"/6-10 LF
SEBEX (1-3 m ⁻²).....	15-36"/8-12 LF
AESIN (1-3 m ⁻²).....	12-30"/6-10 LF

Flush Dates..... : NA
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jun/11/18 INJURY % 11 DA SALV 0	RICE Jun/25/18 INJURY % 25 DA SALV 0	RICE Jul/11/18 INJURY % 41 DA SALV 0	CYPES Jun/11/18 CONTROL % 11 DA SALV 0	CYPES Jun/25/18 CONTROL % 25 DA SALV 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*
1	NONTREATE D								0 -	0 -	0 -	0 e	0 e
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE					
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	58 cd	66 cd
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	68 abc	79 b
	Permit	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	70 ab	81 b
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	60 bcd	79 b
	Permit Plus	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	59 cd	61 d
	Strada XT2	70	%	0.438	lb ai/a	10	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	60 bcd	68 c
	Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	54 d	66 cd
	Strada	54	%	0.084	lb ai/a	2.5	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
9	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	0 -	0 -	0 -	55 d	78 b
	Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a	SALVAGE					
	MSO	100	%	0.5	% v/v	9.6	oz/a	SALVAGE					

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	0 -	0 -	0 -	73 a	89 a
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE					
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE					
LSD P=.05					.	.	.	10.8	6.1
Standard Deviation					0.0	0.0	0.0	7.5	4.2
CV					0.0	0.0	0.0	13.46	6.29
Replicate F					0.000	0.000	0.000	0.627	1.205
Replicate Prob(F)					1.0000	1.0000	1.0000	0.6039	0.3268
Treatment F					0.000	0.000	0.000	30.104	141.476
Treatment Prob(F)					1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor: Conduent								CYPES Jul/5/18 CONTROL % 41 DA SALV 0	AESIN Jun/11/18 CONTROL % 11 DA SALV 0	AESIN Jun/25/18 CONTROL % 25 DA SALV 0	AESIN Jul/5/18 CONTROL % 41 DA SALV 0	SEBEX Jun/11/18 CONTROL % 11 DA SALV 0		
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	Trt	Treatment	Form	Form	Rate	Other	Other	Growth	
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	6*	7*	8*	9*	10*
1	NONTREATE D									0 e	0 e	0 d	0 e	0 d
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE					
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	98 a	89 cd	97 bc	97 bc	90 bc
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a		SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	99 a	88 cd	98 ab	98 abc	91 bc
	Permit	75	%	0.047	lb ai/a	1	oz/a		SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	99 a	94 abc	99 a	99 ab	97 ab
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a		SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	99 a	92 bcd	99 ab	99 a	94 abc
	Permit Plus	75	%	0.047	lb ai/a	1	oz/a		SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	68 b	91 cd	98 ab	95 d	93 abc
	Strada XT2	70	%	0.438	lb ai/a	10	oz/a		PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	44 c	87 d	98 b	97 abc	87 c
	Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a		PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	29 d	89 cd	98 ab	97 cd	88 c
	Strada	54	%	0.084	lb ai/a	2.5	oz/a		PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE					
9	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE	98 a	98 ab	96 c	98 abc	99 a
	Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a		SALVAGE					
	MSO	100	%	0.5	% v/v	9.6	oz/a		SALVAGE					

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	99 a	99 a	99 a	99 a	99 a
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE					
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE					
LSD P=.05					6.6	6.8	1.4	2.0	7.5
Standard Deviation					4.5	4.7	1.0	1.4	5.1
CV					6.19	5.63	1.11	1.6	6.16
Replicate F					0.361	0.620	1.563	3.398	0.551
Replicate Prob(F)					0.7813	0.6084	0.2214	0.0321	0.6519
Treatment F					262.134	158.938	4020.655	1933.468	132.956
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Conduct:								SEBEX Jun/25/18 CONTROL %	SEBEX Jul/11/18 CONTROL %	CNPAA Jun/11/18 CONTROL %	CNPAA Jun/25/18 CONTROL %	CNPAA Jul/5/18 CONTROL %	
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals			25 DA SALV 0	41 DA SALV 0	11 DA SALV 0	25 DA SALV 0	41 DA SALV 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	NONTREATE D								0 c	0 c	0 f	0 f	0 f
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE					
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	98 b	98 a	34 bc	49 c	21 d
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	99 a	23 d	14 e	8 ef
	Permit	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	99 a	39 ab	55 bc	33 c
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	99 a	29 cd	31 d	9 e
	Permit Plus	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	95 b	36 bc	59 ab	65 b
	Strada XT2	70	%	0.438	lb ai/a	10	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	97 ab	46 a	64 ab	74 a
	Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	95 b	45 a	66 a	65 b
	Strada	54	%	0.084	lb ai/a	2.5	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
9	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	99 a	99 a	6 ef	6 ef	6 ef
	Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a	SALVAGE					
	MSO	100	%	0.5	% v/v	9.6	oz/a	SALVAGE					

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	99 a	99 a	10 e	9 ef	13 e
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE					
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE					
LSD P=.05					0.7	2.6	7.6	8.8	8.7
Standard Deviation					0.5	1.8	5.2	6.1	6.0
CV					0.51	2.02	19.5	17.24	20.47
Replicate F					0.818	1.211	1.255	0.474	0.302
Replicate Prob(F)					0.4952	0.3246	0.3095	0.7032	0.8234
Treatment F					19098.275	1213.236	39.755	74.128	88.922
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor Contact:								ALRPH Jun/11/18 CONTROL % 11 DA SALV 0	ALRPH Jun/25/18 CONTROL % 25 DA SALV 0	ALRPH Jul/5/18 CONTROL % 41 DA SALV 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals								
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*
1	NONTREATE D								0 g	0 f	0 h	99 -	98 -
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE					
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	35 de	85 b	85 cd	101 -	94 -
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	19 f	21 e	24 g	101 -	96 -
	Permit	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	64 b	92 ab	93 ab	94 -	96 -
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	30 e	50 d	58 f	98 -	99 -
	Permit Plus	75	%	0.047	lb ai/a	1	oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	54 c	89 ab	89 bc	99 -	98 -
	Strada XT2	70	%	0.438	lb ai/a	10	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	29 e	83 bc	81 d	99 -	100 -
	Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	41 d	73 c	70 e	97 -	98 -
	Strada	54	%	0.084	lb ai/a	2.5	oz/a	PREFL					
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE					
9	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	81 a	94 ab	91 bc	97 -	98 -
	Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a	SALVAGE					
	MSO	100	%	0.5	% v/v	9.6	oz/a	SALVAGE					

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	88 a	98 a	99 a	97 -	94 -
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE					
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE					
LSD P=.05					6.9	12.3	7.4	5.1	6.8
Standard Deviation					4.8	8.5	5.1	3.5	4.7
CV					10.82	12.41	7.42	3.59	4.8
Replicate F					1.102	0.402	1.763	4.085	2.260
Replicate Prob(F)					0.3654	0.7530	0.1781	0.0163	0.1042
Treatment F					134.314	63.089	164.746	1.610	0.759
Treatment Prob(F)					0.0001	0.0001	0.0001	0.1625	0.6535

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST 0	RICE Jul/30/18 WEIGHT g/plot AT HARVEST 0	RICE Jul/30/18 YIELD KG/HA AT HARVEST 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	
1	NONTREATE D									
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Gambit	79	%	0.049	lb 4 ai/a	1	oz/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Permit	75	%	0.047	lb ai/a	1	oz/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Gambit	79	%	0.074	lb ai/a	1.5	oz/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Permit Plus	75	%	0.047	lb ai/a	1	oz/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Strada XT2	70	%	0.438	lb ai/a	10	oz/a	PREFL		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a	PREFL		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Strada	54	%	0.084	lb ai/a	2.5	oz/a	PREFL		
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	SALVAGE		
9	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		
	Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a	SALVAGE		
	MSO	100	%	0.5	% v/v	9.6	oz/a	SALVAGE		

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	98 -	97 -	96 -	1203 bc	4106 bc
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE					
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE					
LSD P=.05					5.6	5.7	4.0	275.7	941.0
Standard Deviation					3.9	3.9	2.8	190.0	648.6
CV					3.93	3.98	2.82	16.48	16.48
Replicate F					3.079	2.464	5.419	1.757	1.757
Replicate Prob(F)					0.0443	0.0839	0.0047	0.1791	0.1791
Treatment F					1.124	1.311	0.975	6.244	6.244
Treatment Prob(F)					0.3803	0.2769	0.4819	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Products in a Salvage Situation

Trial ID: C18-23 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: C18-23 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code								RICE
Rating Date								Jul/30/18
Rating Type								YIELD
Rating Unit								LB/A
Trt-Eval Interval								AT HARVEST
Number of Decimals								0
Trt Treatment	Form	Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage
1 NONTREATE D								2045 e
Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
2 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Gambit	79	%	0.049	lb 4 ai/a	1	oz/a		SALVAGE
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
3 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Permit	75	%	0.047	lb ai/a	1	oz/a		SALVAGE
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
4 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Gambit	79	%	0.074	lb ai/a	1.5	oz/a		SALVAGE
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
5 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Permit Plus	75	%	0.047	lb ai/a	1	oz/a		SALVAGE
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
6 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Strada XT2	70	%	0.438	lb ai/a	10	oz/a		PREFL
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
7 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Strada	50	%	0.065	lb 6 ai/a	2.1	oz/a		PREFL
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
8 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Strada	54	%	0.084	lb ai/a	2.5	oz/a		PREFL
Agri-Dex	100	%	1	% v/v	19.2	oz/a		SALVAGE
9 Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a		PRE
Loyant	25.0 5	g/L	0.013	lb ai/a	8	oz/a		SALVAGE
MSO	100	%	0.5	% v/v	9.6	oz/a		SALVAGE

10 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	3665 bc
Loyant	25.0 5 g/L	0.026 lb ai/a	16 oz/a	SALVAGE	
MSO	100 %	0.5 % v/v	9.6 oz/a	SALVAGE	
LSD P=.05					839.7
Standard Deviation					578.8
CV					16.48
Replicate F					1.757
Replicate Prob(F)					0.1791
Treatment F					6.244
Treatment Prob(F)					0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant and Stam Mixture Interactions

Experiment number..... : **C18-26**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 07/25/18

Application type.....	PRE	EPOST
Date applied [mm/dd/yy]	03/23/18	04/17/18
Time [hh:mm-hh:mm]	08:40-08:49	09:30-09:50
Air/Soil temperature [F]	60/67	68/67
Relative humidity [%].....	84%	71%
Wind [mph, direction]	4, ESE	8-9, S
Weather [sunny, etc]	Cloudy	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry
Crop stage.....	N/A	1-2 Leaf
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/21
Applied by.....	SYR	SYR

Weed Species (population) : ---- (height/#leaves) ----
 CYPES (3-4 m⁻²) : 4-6"/4-6lf

Flush Dates..... : N/A
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant and Stam Mixture Interaction

Trial ID: C18-26 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-26 Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	CYPES	
Rating Date								May/2/18	May/15/18	May/28/18	May/2/18	
Rating Type								INJURY	INJURY	INJURY	CONTROL	
Rating Unit								%	%	%	%	
Trt-Eval Interval								16 DA EPOST	29 DA EPOST	42 DA EPOST	16 DA EPOST	
Number of Decimals								0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	1*	2*	3*	4*
1	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 b	0 -	0 e
	No Loyant											
	No Stam											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
2	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	18 d	0 b	0 -	38 cd
	No Loyant											
	Stam	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
3	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	20 cd	8 a	0 -	34 cd
	No Loyant											
	Stam	4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
4	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 b	0 -	31 d
	Loyant	0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
	No Stam											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
5	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	15 d	0 b	0 -	35 cd
	Loyant	0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
	Stam	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
6	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	24 bc	8 a	0 -	34 cd
	Loyant	0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
	Stam	4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
7	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 b	0 -	29 d
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
	No Stam											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
8	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	18 d	0 b	0 -	43 bc
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
	Stam	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	28 b	8 a	0 -	51 b
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST				
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	0 e	0 b	0 -	69 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	No Stam										
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	16 d	0 b	0 -	73 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	Stam	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	34 a	9 a	0 -	74 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
LSD P=.05								6.2	2.4	.	9.0
Standard Deviation								4.3	1.7	0.0	6.3
CV								30.3	64.18	0.0	14.78
Replicate F								2.033	0.186	0.000	0.084
Replicate Prob(F)								0.1283	0.9049	1.0000	0.9683
Treatment F								29.496	21.339	0.000	46.268
Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Loyant and Stam Mixture Interaction

Trial ID: C18-26 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-26 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								CYPES May/15/18 CONTROL % 29 DA EPOST 0	CYPES May/28/18 CONTROL % 42 DA EPOST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	5*	6*	7*	8*
1	Command 3ME No Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 e	92 -	96
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
2	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	26 d	29 d	96 -	98 -
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
3	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	30 d	31 cd	94 -	97 -
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
4	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	29 d	31 cd	95 -	94 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
5	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	35 bcd	40 c	99 -	96 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
6	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	31 cd	36 cd	94 -	97 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST				
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
7	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	35 bcd	53 b	98 -	95 -
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
8	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	40 bc	53 b	97 -	99 -
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	43 b	54 b	92 -	99 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST				
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	70 a	76 a	96 -	98 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	No Stam										
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	65 a	71 a	98 -	96 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	Stam	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	74 a	74 a	100 -	99 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
LSD P=.05								9.7	10.6	5.5	7.2
Standard Deviation								6.7	7.3	3.8	5.0
CV								16.91	16.1	4.02	5.19
Replicate F								1.519	1.042	0.816	0.367
Replicate Prob(F)								0.2278	0.3868	0.4944	0.7775
Treatment F								38.657	36.684	1.686	0.409
Treatment Prob(F)								0.0001	0.0001	0.1205	0.9416

LSU AgCenter SPESS

Loyant and Stam Mixture Interaction

Trial ID: C18-26 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-26 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST 0	RICE Jul/25/18 WEIGHT g AT HARVEST 0	RICE Jul/25/18 YIELD KG/HA AT HARVEST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	9*	10*	11*	12*	13*
1	Command 3ME No Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	92 -	95 -	94 -	698 a-d	2306 a-d
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
2	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	99 -	99 -	98 -	770 ab	2544 ab
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
3	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	96 -	95 -	95 -	599 d	1981 d
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
4	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	96 -	97 -	95 -	639 bcd	2112 bcd
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
5	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	95 -	94 -	96 -	736 a-d	2433 a-d
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
6	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	101 -	98 -	98 -	683 a-d	2258 a-d
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
7	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	95 -	96 -	96 -	621 cd	2053 cd
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
8	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 -	99 -	98 -	702 a-d	2321 a-d
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST					
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	101 -	100 -	98 -	820 a	2710 a
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST					
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	99 -	92 -	96 -	741 abc	2449 abc
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	No Stam											
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	99 -	101 -	98 -	791 a	2616 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	Stam	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	96 -	95 -	97 -	781 a	2580 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
LSD P=.05								8.0	6.8	5.4	139.7	461.8
Standard Deviation								5.5	4.7	3.8	97.1	321.0
CV								5.7	4.86	3.9	13.58	13.58
Replicate F								0.145	0.636	0.166	0.756	0.756
Replicate Prob(F)								0.9320	0.5969	0.9185	0.5270	0.5270
Treatment F								0.918	1.324	0.634	2.108	2.108
Treatment Prob(F)								0.5348	0.2552	0.7863	0.0485	0.0485

LSU AgCenter SPESS

Loyant and Stam Mixture Interaction

Trial ID: C18-26 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-26 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 YIELD LB AT HARVEST 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit
1	Command 3ME No Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		100 %		0.625 % v/v		12 fl oz/a	EPOST
2	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
3	Command 3ME No Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
4	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4 fl oz/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
5	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4 fl oz/a	EPOST
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
6	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4 fl oz/a	EPOST
		4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
7	Command 3ME Loyant No Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
8	Command 3ME Loyant Stam MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2418 a
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST	
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2185 abc
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	No Stam							
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2334 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	Stam	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2302 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	Stam	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
LSD P=.05								412.0
Standard Deviation								286.4
CV								13.58
Replicate F								0.756
Replicate Prob(F)								0.5270
Treatment F								2.108
Treatment Prob(F)								0.0485

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant and SuperWham Mixture Interactions

Experiment number..... : **C18-27**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.416
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 07/25/18

Application type.....	PRE	EPOST
Date applied [mm/dd/yy]	03/23/18	04/17/18
Time [hh:mm-hh:mm]	08:40-08:45	9:05-9:26
Air/Soil temperature [F]	60/68	67/60
Relative humidity [%].....	84%	75%
Wind [mph, direction]	4, SES	5-7, S
Weather [sunny, etc]	Cloudy	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry
Crop stage.....	N/A	1-2 Leaf
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/21
Applied by.....	SYR	SYR

Weed Species (population) : ----- (height/#leaves) -----
 CYPES (4-6 m⁻²) : 4-6"/4-5lf

Flush Dates : N/A
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant and SuperWham Mixture Interaction

Trial ID: C18-27 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-27 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE May/2/18 INJURY % 16 DA EPOST 0	RICE May/15/18 INJURY % 29 DA EPOST 0	RICE May/28/18 INJURY % 42 DA EPOST 0	CYPES May/2/18 CONTROL % 16 DA EPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	1*	2*	3*	4*
1	Command 3ME No Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 d	0 -	0 e
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
2	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	15 d	8 c	0 -	25 d
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
3	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	33 a	14 ab	0 -	34 cd
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
4	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 d	0 -	25 d
		0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
5	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	16 d	8 c	0 -	26 d
		0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
6	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	26 b	14 ab	0 -	33 cd
		0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
7	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 d	0 -	34 cd
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				
8	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	20 cd	8 c	0 -	40 bc
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
		100	%	0.625	% v/v	12	fl oz/a	EPOST				

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	33 a	14 ab	0 -	44 b
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	0 e	0 d	0 -	55 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	No SuperWham										
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	23 bc	10 bc	0 -	61 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	38 a	18 a	0 -	64 a
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
LSD P=.05								5.0	4.1	.	9.1
Standard Deviation								3.5	2.8	0.0	6.3
CV								20.69	37.42	0.0	17.17
Analyzed as								RCB	RCB	RCB	RCB
Replicate F								2.337	1.608	0.000	0.245
Replicate Prob(F)								0.0916	0.2062	1.0000	0.8641
Treatment F								65.238	20.135	0.000	32.054
Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Loyant and SuperWham Mixture Interaction

Trial ID: C18-27 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-27 Investigator: Eric P. Webster

Pest Code								CYPES	CYPES	RICE	RICE	
Rating Date								May/15/18	May/28/18	Jul/25/18	Jul/25/18	
Rating Type								CONTROL	CONTROL	HEIGHT	HEIGHT	
Rating Unit								%	%	cm	cm	
Trt-Eval Interval								29 DA EPOST	42 DA EPOST	AT HARVEST	AT HARVEST	
Number of Decimals								0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	5*	6*	7*	8*
1	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 f	0 f	91 -	94 -
	No Loyant											
	No SuperWham											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
2	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	13 e	13 de	99 -	97 -
	No Loyant											
	SuperWham	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
3	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	21 d	15 de	92 -	95 -
	No Loyant											
	SuperWham	4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
4	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	33 c	11 e	99 -	94 -
	Loyant	0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
	No SuperWham											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
5	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	31 c	16 de	96 -	97 -
	Loyant	0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
6	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	30 c	19 d	93 -	93 -
	Loyant	0.21	LBA/GA L	0.0065	lb ai/a	4	fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
7	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	36 c	18 de	92 -	94 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
	No SuperWham											
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				
8	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	31 c	28 c	95 -	96 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST				
	MSO	100	%	0.625	% v/v	12	fl oz/a	EPOST				

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	35 c	26 c	97 -	96 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	50 b	40 b	97 -	92 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	No SuperWham										
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	54 ab	45 ab	97 -	96 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	58 a	49 a	93 -	94 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST				
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST				
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST				
LSD P=.05								6.9	6.4	8.0	8.8
Standard Deviation								4.8	4.5	5.6	6.1
CV								14.63	19.17	5.86	6.44
Analyzed as								RCB	RCB	RCB	RCB
Replicate F								1.000	1.076	4.970	0.830
Replicate Prob(F)								0.4051	0.3725	0.0059	0.4871
Treatment F								47.890	44.017	1.048	0.229
Treatment Prob(F)								0.0001	0.0001	0.4296	0.9937

LSU AgCenter SPESS

Loyant and SuperWham Mixture Interaction				
Trial ID:	C18-27	Location:	RRS-Crowley, LA	Trial Year: 2018
Protocol ID:	C18-27	Investigator:	Eric P. Webster	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 HEIGHT cm AT HARVEST 0	RICE Jul/25/18 AVG HEIGHT cm AT HARVEST 0	RICE Jul/25/18 WEIGHT cm AT HARVEST 0	RICE Jul/25/18 YIELD KG/HA AT HARVEST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	9*	10*	11*	12*	13*
1	Command 3ME No Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	94 -	95 -	93 -	635 -	2149 -
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
2	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 -	102 -	99 -	586 -	1982 -
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
3	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	96 -	98 -	95 -	621 -	2101 -
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
4	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	97 -	95 -	96 -	586 -	1981 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
5	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	99 -	98 -	97 -	689 -	2331 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
6	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	94 -	95 -	94 -	670 -	2266 -
		0.21	LBA/GA L	0.0065	lb 6 ai/a	4	fl oz/a	EPOST					
		4	LBA/GA L	3	lb ai/a	3	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
7	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	96 -	98 -	95 -	651 -	2203 -
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					
8	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	97 -	100 -	97 -	673 -	2276 -
		0.21	LBA/GA L	0.0131	lb ai/a	8	fl oz/a	EPOST					
		4	LBA/GA L	2	lb ai/a	2	qt/a	EPOST					
		100	%	0.625	% v/v	12	fl oz/a	EPOST					

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	97 -	96 -	97 -	800 -	2707 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST					
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	94 -	96 -	95 -	722 -	2443 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	No SuperWham											
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	98 -	101 -	98 -	742 -	2509 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	SuperWham	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	100 -	96 -	96 -	781 -	2640 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST					
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST					
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST					
LSD P=.05								7.8	7.4	6.5	193.3	653.9
Standard Deviation								5.4	5.1	4.5	134.4	454.6
CV								5.62	5.24	4.7	19.77	19.77
Analyzed as								RCB	RCB	RCB	RCB	RCB
Replicate F								5.211	5.245	4.609	0.707	0.707
Replicate Prob(F)								0.0047	0.0045	0.0084	0.5545	0.5545
Treatment F								0.519	0.895	0.550	1.096	1.096
Treatment Prob(F)								0.8761	0.5546	0.8540	0.3946	0.3946

LSU AgCenter SPESS

Loyant and SuperWham Mixture Interaction							
Trial ID: C18-27		Location: RRS-Crowley, LA		Trial Year: 2018			
Protocol ID: C18-27		Investigator: Eric P. Webster					
Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 YIELD LB AT HARVEST 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth
No.	Name	Conc	Unit	Rate	Unit	Rate Rate Unit	Stage
1	Command 3ME No Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		100 %		0.625 % v/v		12 fl oz/a	EPOST
2	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
3	Command 3ME No Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
4	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb ai/a	4 fl oz/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
5	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb ai/a	4 fl oz/a	EPOST
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
6	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0065	lb ai/a	4 fl oz/a	EPOST
		4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
7	Command 3ME Loyant No SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST
8	Command 3ME Loyant SuperWham MSO	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE
		0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST
		4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST
		100 %		0.625 % v/v		12 fl oz/a	EPOST

9	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2416 -
	Loyant	0.21	LBA/GA L	0.0131	lb ai/a	8 fl oz/a	EPOST	
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
10	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2181 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	No SuperWham							
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
11	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2239 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	SuperWham	4	LBA/GA L	2	lb ai/a	2 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
12	Command 3ME	3	LBA/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	2356 -
	Loyant	0.21	LBA/GA L	0.0263	lb ai/a	16 fl oz/a	EPOST	
	SuperWham	4	LBA/GA L	3	lb ai/a	3 qt/a	EPOST	
	MSO	100 %		0.625	% v/v	12 fl oz/a	EPOST	
LSD P=.05								583.7
Standard Deviation								405.7
CV								19.77
Analyzed as								RCB
Replicate F								0.707
Replicate Prob(F)								0.5545
Treatment F								1.096
Treatment Prob(F)								0.3946

LSU AgCenter

School of Plant, Environmental and Soil Sciences

RiceCo RiceOne Residual Weed Control Evaluation

Experiment number..... : **C-18-32**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 08/02/18

Application type.....	PRE	DPRE	MPOST
Date applied [mm/dd/yy]	03/26/18	04/03/18	04/24/18
Time [hh:mm-hh:mm]	12:30-12:40p	09:30-09:45a	09:05-09:15a
Air/Soil temperature [F]	79/71	72/70	64/62
Relative humidity [%].....	69%	96%	81%
Wind [mph, direction]	6-9, SSE	4-8, SSE	4-6, NNW
Weather [sunny, etc]	Pt Cloudy	Cloudy	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry	Mud/Dry
Crop stage.....	N/A	1 Leaf	2-3 Leaf
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.....	MJO	MJO	LCW

Weed Species (population)	----- (height/#leaves) -----
SEBEX (5-10 m ⁻²).....	½-1"/cot 2-3"/1-3lf
CYPES (5-10 m ⁻²)	½-1"/cot 1-2"/1-3lf
ECHCG (10-20 m ⁻²).....	½-1"/1lf 1-3"/2-4lf
CYPIR (5-10 m ⁻²).....	½-1"/1-2lf

Flush Dates : N/A
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation

Trial ID: C18-32 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-32 Investigator: Eric P. Webster

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Apr/10/18 INJURY %	RICE May/2/18 INJURY %	RICE May/15/18 INJURY %	RICE May/28/18 INJURY %	RICE Jun/8/18 INJURY %
7 DA DP	8 DA MPOST	21 DA MPOST	34 DA MPOST	45 DA MPOST						
0	0	0	0	0						
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Unit	Stage	1*	2*	3*	4*	5*	
1 NONTREATED					0 g	0 e	0 b	0 b	0 b	
2 COMMAND 3ME	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	8 f	5 d	5 a	5 a	5 a	
3 PROWL H20	3.8 LB/GA L	0.95 lb ai/a	32 oz/a	DPRE	13 de	5 d	5 a	5 a	5 a	
4 RICEONE CS	3.63 LB/GA L	0.68 lb ai/a	24 oz/a	DPRE	14 cde	5 d	5 a	5 a	5 a	
5 RICEONE CS	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	DPRE	21 b	5 d	5 a	5 a	5 a	
6 RICEONE CS	3.63 LB/GA L	1.13 lb ai/a	40 oz/a	DPRE	36 a	6 d	5 a	5 a	5 a	
7 COMMAND 3ME	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	13 de	41 b	5 a	5 a	5 a	
RICEONE CS	3.63 LB/GA L	0.68 lb ai/a	24 oz/a	MPOST						
SUPERWHAM	4 LB/GA L	4 lb ai/a	128 oz/a	MPOST						
COC	100 %	1.25 % v/v	24 oz/a	MPOST						
8 COMMAND 3ME	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	16 cd	45 a	5 a	5 a	5 a	
RICEONE CS	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST						
SUPERWHAM	4 LB/GA L	4 lb ai/a	128 oz/a	MPOST						
COC	100 %	1.25 % v/v	24 oz/a	MPOST						
9 COMMAND 3ME	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	18 bc	31 c	5 a	5 a	5 a	
SUPERWHAM	4 LB/GA L	4 lb ai/a	128 oz/a	MPOST						
COC	100 %	1.25 % v/v	24 oz/a	MPOST						
10 RICEONE CS	3.63 LB/GA L	0.68 lb ai/a	24 oz/a	PRE	10 ef	41 b	5 a	5 a	5 a	
RICEONE CS	3.63 LB/GA L	0.68 lb ai/a	24 oz/a	MPOST						
SUPERWHAM	4 LB/GA L	4 lb ai/a	128 oz/a	MPOST						
COC	100 %	1.25 % v/v	24 oz/a	MPOST						
11 COMMAND 3ME	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE	16 cd	43 ab	5 a	5 a	5 a	
RICEONE CS	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST						
SUPERWHAM	4 LB/GA L	4 lb ai/a	128 oz/a	MPOST						
FACET L	1.5 LB/GA L	0.25 lb ai/a	21.3 oz/a	MPOST						
COC	100 %	1.25 % v/v	24 oz/a	MPOST						

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	14 cde	43 ab	5 a	5 a	5 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 % v/v		24 oz/a	MPOST					
LSD P=.05								4.8	3.3	.	.	.
Standard Deviation								3.3	2.3	0.0	0.0	0.0
CV								22.6	10.11	0.0	0.0	0.0
Replicate F								1.305	0.268	0.000	0.000	0.000
Replicate Prob(F)								0.2892	0.8478	1.0000	1.0000	1.0000
Treatment F								26.729	286.683	0.000	0.000	0.000
Treatment Prob(F)								0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation

Trial ID: C18-32 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-32 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG May/2/18 CONTROL % 8 DA MPOST 0	ECHCG May/15/18 CONTROL % 21 DA MPOST 0	ECHCG May/28/18 CONTROL % 34 DA MPOST 0	ECHCG Jun/8/18 CONTROL % 45 DA MPOST 0	CYPES May/2/18 CONTROL % 8 DA MPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	6*	7*	8*	9*	10*
1	NONTREATED							0 e	0 f	0 f	0 e	0 d	
2	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	95 c	71 d	73 d	58 c	5 c
3	PROWL H20	3.8	LB/GA L	0.95	lb ai/a	32	oz/a	DPRE	69 d	40 e	39 e	33 d	11 b
4	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	DPRE	96 bc	83 c	76 c	54 c	13 b
5	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	97 abc	93 ab	89 b	60 bc	11 b
6	RICEONE CS	3.63	LB/GA L	1.13	lb ai/a	40	oz/a	DPRE	97 abc	93 ab	93 a	68 b	14 b
7	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	98 ab	94 ab	96 a	96 a	73 a
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
8	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	98 ab	96 a	96 a	96 a	70 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
9	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	98 ab	91 b	96 a	95 a	74 a
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
10	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	PRE	96 abc	91 b	95 a	96 a	73 a
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
11	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	98 a	95 ab	95 a	96 a	71 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	98 ab	96 a	96 a	97 a	73 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 % v/v		24 oz/a	MPOST					
LSD P=.05								2.7	4.1	3.6	9.8	4.3
Standard Deviation								1.9	2.9	2.5	6.8	3.0
CV								2.15	3.67	3.16	9.63	7.29
Replicate F								1.216	0.386	0.790	1.060	0.219
Replicate Prob(F)								0.3195	0.7640	0.5080	0.3793	0.8826
Treatment F								937.400	417.739	582.257	85.288	504.320
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation				
Trial ID: C18-32	Location: RRS-Crowley, LA	Trial Year: 2018		
Protocol ID: C18-32	Investigator: Eric P. Webster			

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPES May/15/18 CONTROL % 21 DA MPOST 0	CYPES May/28/18 CONTROL % 34 DA MPOST 0	CYPES Jun/8/18 CONTROL % 45 DA MPOST 0	CYPIR May/2/18 CONTROL % 8 DA MPOST 0	CYPIR May/15/18 CONTROL % 21 DA MPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	11*	12*	13*	14*	15*
1	NONTREATED							0 d	0 f	0 f	0 d	0 f	
2	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	5 d	5 e	5 e	5 c	5 e
3	PROWL H20	3.8	LB/GA L	0.95	lb ai/a	32	oz/a	DPRE	13 c	11 d	11 d	14 b	10 d
4	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	DPRE	16 c	19 c	11 d	11 b	13 d
5	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	13 c	19 c	11 d	10 b	10 d
6	RICEONE CS	3.63	LB/GA L	1.13	lb ai/a	40	oz/a	DPRE	11 c	18 c	14 d	11 b	13 d
7	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	73 a	63 ab	64 a	71 a	73 a
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
8	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	69 ab	63 ab	61 ab	73 a	68 b
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
9	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	68 ab	63 ab	60 bc	71 a	70 ab
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
10	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	PRE	68 ab	61 ab	63 ab	71 a	61 c
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
11	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	69 ab	65 a	58 c	73 a	69 b
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	64 b	59 b	60 bc	70 a	69 b
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 %	v/v	24 oz/a	MPOST					
LSD P=.05								5.6	4.4	3.4	4.1	3.7
Standard Deviation								3.9	3.1	2.4	2.8	2.6
CV								9.98	8.33	6.81	7.05	6.77
Replicate F								1.604	1.080	1.607	0.000	1.734
Replicate Prob(F)								0.2070	0.3711	0.2065	1.0000	0.1791
Treatment F								253.810	302.790	536.933	549.000	591.833
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation			
Trial ID: C18-32	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-32	Investigator: Eric P. Webster		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CYPIR May/28/18 CONTROL %	CYPIR Jun/8/18 CONTROL %	SEBEX May/2/18 CONTROL %	SEBEX May/15/18 CONTROL %	SEBEX May/28/18 CONTROL %
Trt Treatment Form Form Rate Other Other Growth							34 DA MPOST 0	45 DA MPOST 0	8 DA MPOST 0	21 DA MPOST 0	34 DA MPOST 0
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	16*	17*	18*	19*	20*
1 NONTREATED							0 f	0 e	0 f	0 f	0 g
2 COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	5 e	5 d	10 e	13 f
3 PROWL H20	3.8	LB/GA L	0.95	lb ai/a	32	oz/a	DPRE	15 d	15 c	21 d	23 e
4 RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	DPRE	13 d	11 c	31 b	33 c
5 RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	14 d	11 c	31 b	36 c
6 RICEONE CS	3.63	LB/GA L	1.13	lb ai/a	40	oz/a	DPRE	15 d	11 c	25 c	33 c
7 COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	69 a	63 b	96 a	93 ab
RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST				
SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST				
COC	100	%	1.25	% v/v	24	oz/a	MPOST				
8 COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	63 c	69 a	96 a	93 ab
RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST				
SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST				
COC	100	%	1.25	% v/v	24	oz/a	MPOST				
9 COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	64 bc	68 a	95 a	93 ab
SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST				
COC	100	%	1.25	% v/v	24	oz/a	MPOST				
10 RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	PRE	66 abc	69 a	97 a	90 b
RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST				
SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST				
COC	100	%	1.25	% v/v	24	oz/a	MPOST				
11 COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	68 ab	66 ab	95 a	94 a
RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST				
SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST				
FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3	oz/a	MPOST				
COC	100	%	1.25	% v/v	24	oz/a	MPOST				

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	70 a	66 ab	95 a	93 ab	85 b
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 % v/v		24 oz/a	MPOST					
LSD P=.05								4.1	4.2	3.2	3.3	4.2
Standard Deviation								2.9	2.9	2.2	2.3	3.0
CV								7.47	7.7	3.83	4.0	5.17
Replicate F								5.246	0.061	0.301	2.122	0.627
Replicate Prob(F)								0.0045	0.9797	0.8247	0.1162	0.6030
Treatment F								431.077	436.173	1339.407	1162.594	625.251
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation

Trial ID: C18-32 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-32 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							SEBEX Jun/8/18 CONTROL % 45 DA MPOST 0	RICE Jul/25/18 HEIGHT cm 93 DA MPOST 0	RICE Jul/25/18 HEIGHT cm 93 DA MPOST 0	RICE Jul/25/18 HEIGHT cm 93 DA MPOST 0	RICE Jul/25/18 HEIGHT cm 93 DA MPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	21*	22*	23*	24*	25*
1	NONTREATED							0 f	86 d	86 c	86 c	84 c	
2	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	10 e	101 bc	102 ab	101 ab	102 ab
3	PROWL H20	3.8	LB/GA L	0.95	lb ai/a	32	oz/a	DPRE	24 d	96 c	98 b	98 b	98 b
4	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	DPRE	33 c	101 bc	104 ab	104 ab	104 ab
5	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	34 c	102 bc	102 ab	106 ab	104 ab
6	RICEONE CS	3.63	LB/GA L	1.13	lb ai/a	40	oz/a	DPRE	35 c	108 a	105 a	106 a	104 ab
7	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	86 ab	103 ab	103 ab	105 ab	104 ab
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
8	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	83 b	103 ab	104 ab	105 ab	106 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
9	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	89 a	106 ab	103 ab	106 a	102 ab
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
10	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	PRE	85 ab	101 bc	104 ab	105 ab	104 ab
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
11	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	89 a	106 ab	105 a	107 a	104 ab
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	89 a	105 ab	107 a	106 a	102 ab
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 % v/v		24 oz/a	MPOST					
LSD P=.05								5.2	5.6	5.8	8.0	8.3
Standard Deviation								3.6	3.9	4.0	5.5	5.8
CV								6.57	3.87	3.97	5.4	5.68
Replicate F								0.971	15.638	4.419	4.980	2.595
Replicate Prob(F)								0.4183	0.0001	0.0102	0.0058	0.0690
Treatment F								379.265	8.594	7.428	4.523	4.420
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0004	0.0004

LSU AgCenter SPESS

RiceCo RiceONE Residual Weed Control Evaluation				
Trial ID:	C18-32	Location:	RRS-Crowley, LA	Trial Year: 2018
Protocol ID:	C18-32	Investigator:	Eric P. Webster	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 AVG HEIGHT cm 93 DA MPOST 0	RICE Aug/2/18 YIELD g/plot 101 DA MPOS 0	RICE Aug/2/18 MOISTURE % 101 DA MPOS 1	RICE Aug/2/18 YIELD kg/ha 101 DA MPOS 0	RICE Aug/2/18 YIELD lb/ac 101 DA MPOS 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	26*	27*	28*	29*	30*
1	NONTREATED							85 c	19 f	14.7 -	67 f	59 f	
2	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	101 ab	1072 cd	14.7 -	3711 cd	3311 cd
3	PROWL H2O	3.8	LB/GA L	0.95	lb ai/a	32	oz/a	DPRE	97 b	419 e	14.7 -	1448 e	1292 e
4	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	DPRE	103 a	1052 d	14.7 -	3639 d	3246 d
5	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	103 ab	1232 bc	14.7 -	4262 bc	3802 bc
6	RICEONE CS	3.63	LB/GA L	1.13	lb ai/a	40	oz/a	DPRE	106 a	1169 cd	14.7 -	4044 cd	3608 cd
7	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	104 a	1389 ab	14.7 -	4806 ab	4288 ab
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
8	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	105 a	1503 a	14.7 -	5200 a	4639 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
9	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	104 a	1396 ab	14.7 -	4829 ab	4309 ab
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
10	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	PRE	103 a	1447 a	14.7 -	5008 a	4468 a
	RICEONE CS	3.63	LB/GA L	0.68	lb ai/a	24	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					
11	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	105 a	1496 a	14.7 -	5177 a	4619 a
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	4	lb ai/a	128	oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3	oz/a	MPOST					
	COC	100	%	1.25	% v/v	24	oz/a	MPOST					

12	COMMAND 3ME	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	PRE	105 a	1408 ab	14.7 -	4872 ab	4347 ab
	RICEONE CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	MPOST					
	SUPERWHAM	4	LB/GA L	3	lb ai/a	96 oz/a	MPOST					
	FACET L	1.5	LB/GA L	0.25	lb ai/a	21.3 oz/a	MPOST					
	COC	100 %		1.25 % v/v		24 oz/a	MPOST					
LSD P=.05								5.9	178.6	.	618.1	551.5
Standard Deviation								4.1	124.2	0.00	429.6	383.3
CV								4.0	10.96	0.0	10.96	10.96
Replicate F								6.780	6.957	0.000	6.957	6.957
Replicate Prob(F)								0.0011	0.0009	1.0000	0.0009	0.0009
Treatment F								7.745	55.421	0.000	55.421	55.421
Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Residual Overlay of RiceOne vs. Other Residual Products

Experiment number..... : **C18-33**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 07/30/18

Application type.....	PRE	DPRE	MPOST
Date applied [mm/dd/yy]	03/26/18	04/03/18	04/17/18
Time [hh:mm-hh:mm]	12:20-12:30p	09:15-09:20a	11:40-11:50a
Air/Soil temperature [F]	79/71	71/70	75/66
Relative humidity [%].....	69%	96%	49%
Wind [mph, direction]	6-9, SSE	4-8, SSE	7-10, S
Weather [sunny, etc]	Pt Cloudy	Pt. Cloudy	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry	Mud/Dry
Crop stage.....	N/A	1 Leaf	2-3 Leaf
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.....	MJO	MJO	EPW

Weed Species (population)	(height/#leaves)	
ECHCG (10-20 m ⁻²).....	½-1"/1lf	½-1"/1-2lf
CNPPA (20-40 m ⁻²).....	½-1"/cot	½-1"/cot-1lf
CYPIR (50-100 m ⁻²).....	½-1"/1-2lf	1-3"/1-2lf
CYPES (20-30 m ⁻²)		4-10"/3-8lf
SEBEX (1-5 m ⁻²).....		½-1"/cot-1lf

Flush Dates..... : N/A
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Residual Overlay of RiceOne vs. Other Residual Products

Trial ID: C18-33 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-33 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Apr/10/18 INJURY % 7 DA DP 0	RICE Apr/25/18 INJURY % 8 DAT 0	RICE May/2/18 INJURY % 15 DAT 0	RICE May/15/18 INJURY % 28 DAT 0	RICE May/28/18 INJURY % 41 DAT 0	ECHCG Apr/25/18 CONTROL % 8 DAT 0	ECHCG May/2/18 CONTROL % 15 DAT 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1 Nontreated								0 g	0 c	0 f	0 b	0 b	0 f	0 d	
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	15 cd	14 ab	14 cd	5 a	5 a	98 a	96 ab
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
3	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	6 ef	14 ab	13 d	5 a	5 a	88 d	91 c
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
4	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	11 de	15 a	5 e	5 a	5 a	91 c	91 c
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	18 c	14 ab	21 ab	5 a	5 a	98 a	96 ab
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	MPOST							
6	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	5 fg	15 a	13 d	5 a	5 a	95 b	97 a
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
7	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	10 def	15 a	8 e	5 a	5 a	84 e	93 bc
	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
8	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	26 b	15 a	23 a	5 a	5 a	98 a	97 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							

9	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	34 a	13 b	15 cd	5 a	5 a	98 a	97 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST							
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
10	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	39 a	15 a	15 cd	5 a	5 a	98 a	97 a
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 oz/a	MPOST							
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
11	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	36 a	15 a	18 bc	5 a	5 a	98 a	96 ab
	Command	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
12	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	35 a	15 a	8 e	5 a	5 a	98 a	97 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
13	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	34 a	15 a	8 e	5 a	5 a	98 a	95 abc
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
LSD P=.05								5.2	2.3	4.0	.	.	1.7	4.1
Standard Deviation								3.6	1.6	2.8	0.0	0.0	1.2	2.8
CV								17.62	12.17	23.01	0.0	0.0	1.33	3.24
Replicate F								1.968	4.545	1.402	0.000	0.000	0.338	0.959
Replicate Prob(F)								0.1362	0.0084	0.2580	1.0000	1.0000	0.7977	0.4227
Treatment F								57.097	25.364	21.495	0.000	0.000	2105.617	346.513
Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Residual Overlay of RiceOne vs. Other Residual Products

Trial ID: C18-33 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-33 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG May/15/18 CONTROL %	ECHCG May/28/18 CONTROL %	CYPES Apr/25/18 CONTROL %	CYPES May/2/18 CONTROL %	CYPES May/15/18 CONTROL %	CYPES May/28/18 CONTROL %
Trt Treatment Form Form Rate Other Other Growth							28 DAT 0	41 DAT 0	8 DAT 0	15 DAT 0	28 DAT 0	41 DAT 0
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Rate Unit	Stage	8*	9*	10*	11*	12*	13*
1 Nontreated							0 e	0 d	0 f	0 f	0 e	0 g
2 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE			94 a	97 a	55 b	80 a	95 a	94 ab
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Permit	75 %	0.047 lb ai/a	1 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								
3 Facet L	1.5 LB/GA L	0.375 lb ai/a	32 oz/a	PRE			83 abc	97 a	40 de	63 bcd	93 a	93 ab
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Permit	75 %	0.047 lb ai/a	1 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								
4 Sharpen	2.85 LB/GA L	0.044 lb ai/a	2 oz/a	PRE			81 bc	75 b	44 cd	55 cde	92 a	95 a
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Permit	75 %	0.047 lb ai/a	1 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								
5 Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	PRE			91 ab	95 a	40 de	61 bcd	71 b	88 bcd
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	1.2 pt/a	MPOST								
6 Facet L	1.5 LB/GA L	0.375 lb ai/a	32 oz/a	PRE			92 ab	97 a	51 bc	55 cde	65 c	83 de
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								
7 Sharpen	2.85 LB/GA L	0.044 lb ai/a	2 oz/a	PRE			77 c	74 b	51 bc	48 de	68 bc	76 e
RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	MPOST								
CS												
Grasp	2 LB/GA L	0.036 lb ai/a	2.3 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								
8 RiceOne	3.63 LB/GA L	0.91 lb ai/a	32 oz/a	DPRE			89 ab	96 a	70 a	75 ab	91 a	95 a
CS												
Command	3 LB/GA L	0.3 lb ai/a	12.8 oz/a	MPOST								
Permit	75 %	0.047 lb ai/a	1 oz/a	MPOST								
Agri-Dex	100 %	1 % v/v	19.2 oz/a	MPOST								

9	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	91 ab	96 a	74 a	69 abc	92 a	95 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST						
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
10	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	64 d	70 c	68 a	80 a	92 a	90 abc
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 oz/a	MPOST						
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
11	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	91 ab	96 a	45 cd	49 de	68 bc	85 cd
	Command	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
12	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	93 a	95 a	39 de	44 e	66 bc	68 f
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
13	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	91 ab	97 a	31 e	68 abc	56 d	76 e
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
LSD P=.05								11.4	3.6	9.5	17.5	6.0	6.5
Standard Deviation								7.9	2.5	6.6	12.2	4.2	4.6
CV								9.99	2.98	14.13	21.28	5.75	5.72
Replicate F								3.030	0.228	0.132	9.517	2.634	1.753
Replicate Prob(F)								0.0418	0.8766	0.9402	0.0001	0.0646	0.1736
Treatment F								40.762	473.348	33.639	11.808	152.986	125.139
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Residual Overlay of RiceOne vs. Other Residual Products

Trial ID: C18-33 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-33 Investigator: Eric P. Webster

Pest Code								CYPIR	CYPIR	CYPIR	CYPIR	CNPPA	CNPPA		
Rating Date								Apr/25/18	May/2/18	May/15/18	May/28/18	Apr/25/18	May/2/18		
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit								%	%	%	%	%	%		
Trt-Eval Interval								8 DAT	15 DAT	28 DAT	41 DAT	8 DAT	15 DAT		
Number of Decimals								0	0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	14*	15*	16*	17*	18*	19*
1	Nontreated									0 f	0 c	0 e	0 d	0 h	0 c
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		56 bc	90 a	93 a	94 a	5 g	33 b
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
3	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE		44 d	91 a	93 a	95 a	49 d	65 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
4	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE		55 bc	88 a	92 a	94 a	75 a	76 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE		40 de	39 b	58 bc	79 b	6 g	38 b
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	MPOST							
6	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE		59 b	40 b	56 c	81 b	53 cd	43 b
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
7	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE		49 bcd	39 b	56 c	75 b	78 a	75 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
8	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE		73 a	88 a	94 a	95 a	28 f	35 b
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							

9	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	73 a	88 a	95 a	95 a	39 e	76 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST						
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
10	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	76 a	88 a	94 a	95 a	56 bc	70 a
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 oz/a	MPOST						
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
11	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	46 cd	41 b	68 b	78 b	41 e	36 b
	Command	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
12	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	41 d	40 b	56 c	71 b	41 e	46 b
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
13	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	30 e	43 b	41 d	57 c	59 b	78 a
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 oz/a	MPOST						
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST						
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST						
LSD P=.05								11.0	5.1	10.7	12.4	4.4	14.1
Standard Deviation								7.6	3.6	7.5	8.6	3.1	9.8
CV								15.49	6.0	10.85	11.14	7.51	19.01
Replicate F								0.162	1.972	1.665	1.088	2.527	1.109
Replicate Prob(F)								0.9213	0.1356	0.1917	0.3667	0.0728	0.3583
Treatment F								28.347	283.842	58.035	36.882	271.728	23.614
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Residual Overlay of RiceOne vs. Other Residual Products

Trial ID: C18-33 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-33 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CNPPA May/15/18 CONTROL % 28 DAT 0	CNPPA May/28/18 CONTROL % 41 DAT 0	RICE Jul/25/18 HEIGHT cm 99 DAT 0	RICE Jul/25/18 HEIGHT cm 99 DAT 0	RICE Jul/25/18 HEIGHT cm 99 DAT 0	RICE Jul/25/18 HEIGHT cm 99 DAT 0	RICE Jul/25/18 AVG HEIGHT cm 99 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	20*	21*	22*	23*	24*	25*	26*
1 Nontreated								0 h	0 g	91 b	81 c	81 b	77 b	82 b	
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	43 f	51 e	104 a	104 ab	107 a	103 a	105 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
3	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	61 cd	61 d	104 a	105 ab	107 a	107 a	106 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
4	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	83 a	84 a	104 a	107 ab	108 a	106 a	106 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	49 ef	45 f	106 a	103 ab	106 a	104 a	105 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	MPOST							
6	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	53 e	51 e	105 a	106 ab	106 a	104 a	105 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
7	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	87 a	86 a	107 a	104 ab	104 a	105 a	105 a
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST							
	CS														
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							
8	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	35 g	63 cd	101 a	101 b	103 a	102 a	102 a
	CS														
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	MPOST							
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST							

9	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	68 bc	68 bc	107 a	107 ab	105 a	107 a	107 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST							
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
10	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	74 b	73 b	105 a	103 b	104 a	106 a	104 a
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 oz/a	MPOST							
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
11	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	53 e	51 e	106 a	110 a	105 a	104 a	106 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
12	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	60 d	60 d	105 a	105 ab	107 a	104 a	105 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
13	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	73 b	73 b	101 a	104 ab	104 a	107 a	104 a
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 oz/a	MPOST							
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST							
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST							
LSD P=.05								6.6	5.2	6.6	7.0	6.1	7.9	5.9
Standard Deviation								4.6	3.6	4.6	4.8	4.3	5.5	4.1
CV								8.13	6.21	4.43	4.72	4.13	5.35	3.96
Replicate F								0.649	0.437	4.601	2.085	1.099	0.778	2.337
Replicate Prob(F)								0.5885	0.7281	0.0080	0.1193	0.3622	0.5138	0.0900
Treatment F								98.428	140.865	3.442	8.247	10.389	8.291	9.651
Treatment Prob(F)								0.0001	0.0001	0.0020	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Residual Overlay of RiceOne vs. Other Residual Products											
Trial ID: C18-33		Location: RRS-Crowley, LA		Trial Year: 2018		Protocol ID: C18-33		Investigator: Eric P. Webster			
Pest Code		RICE		RICE		RICE		RICE			
Rating Date		Jul/30/18		Jul/30/18		Jul/30/18		Jul/30/18			
Rating Type		YIELD		MOISTURE		YIELD		YIELD			
Rating Unit		g/plot		%		kg/ha		lb/ac			
Trt-Eval Interval		104 DAT		104 DAT		104 DAT		104 DAT			
Number of Decimals		0		1		0		0			
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	27*	28*	29*
1	Nontreated								0 d	14.4 -	0 d
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	1213 c	14.4 -	4216 c
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			
3	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	1215 bc	14.4 -	4222 bc
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			
4	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	1241 bc	14.4 -	4314 bc
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	PRE	1409 ab	14.4 -	4898 ab
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	MPOST			
6	Facet L	1.5	LB/GA L	0.375	lb ai/a	32	oz/a	PRE	1389 abc	14.4 -	4826 abc
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			
7	Sharpen	2.85	LB/GA L	0.044	lb ai/a	2	oz/a	PRE	1266 bc	14.4 -	4400 bc
	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	MPOST			
	CS										
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			
8	RiceOne	3.63	LB/GA L	0.91	lb ai/a	32	oz/a	DPRE	1320 abc	14.4 -	4589 abc
	CS										
	Command	3	LB/GA L	0.3	lb ai/a	12.8	oz/a	MPOST			
	Permit	75	%	0.047	lb ai/a	1	oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	MPOST			

9	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	1399 abc	14.4 -	4863 abc	4339 abc
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST				
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST				
10	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	1368 abc	14.4 -	4753 abc	4240 abc
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 oz/a	MPOST				
	Permit	75 %		0.047	lb ai/a	1 oz/a	MPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST				
11	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	1251 bc	14.4 -	4346 bc	3878 bc
	Command	3	LB/GA L	0.3	lb ai/a	12.8 oz/a	MPOST				
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST				
12	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	1463 a	14.4 -	5086 a	4537 a
	Facet L	1.5	LB/GA L	0.375	lb ai/a	32 oz/a	MPOST				
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST				
13	RiceOne CS	3.63	LB/GA L	0.91	lb ai/a	32 oz/a	DPRE	1265 bc	14.4 -	4398 bc	3923 bc
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 oz/a	MPOST				
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 oz/a	MPOST				
	Agri-Dex	100 %		1 % v/v		19.2 oz/a	MPOST				
LSD P=.05								196.1	.	681.4	608.0
Standard Deviation								136.7	0.00	475.2	423.9
CV								11.25	0.0	11.25	11.25
Replicate F								2.884	0.000	2.884	2.884
Replicate Prob(F)								0.0490	1.0000	0.0490	0.0490
Treatment F								29.981	0.000	29.981	29.981
Treatment Prob(F)								0.0001	1.0000	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Interactions of RiceOne plus Propanil Mixtures

Experiment number..... : **C18-35**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCBC
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 07/26/18
 Uniform Standard Treatment .. : Permit @ 1 oz/A

Application type.....	EPOST	Overspray
Date applied [mm/dd/yy]	04/12/18	05/16/18
Time [hh:mm-mm:mm]	9:25-10:00a	8:00-8:30a
Air/Soil temperature [F]	64/61	75/69
Relative humidity [%].....	87%	80%
Wind [mph, direction]	5-8, SSE	3-5, SE
Weather [sunny, etc]	Sunny	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Flood
Crop stage.....	1-2 Leaf	2-3 tiller
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/21	15/21
Applied by.....	EPW	MJO

Weed Species (population) :----- (height/#leaves) -----
 ECHCG (20-50 m⁻²)..... : 1-2"/1-2lf
 CYPPIR (20-30 m⁻²)..... : 1-2"/1-2lf
 CYPES (1-5 m⁻²)

: 1-5"/1-5lf
 SEBEX (3-5 m⁻²)..... : 2-5"/2-4lf

Flush Dates : N/A
 Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPEATS

Interactions of RiceOne plus Propanil Mixtures

Trial ID: C18-35 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-35 Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	ECHCG	ECHCG	ECHCG		
Rating Date							Apr/25/18	May/9/18	May/22/18	Jun/4/18	Apr/25/18	May/9/18	May/22/18		
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%	%		
Trt-Eval Interval							14 DAT	28 DAT	41 DAT	54 DAT	14 DAT	28 DAT	41 DAT		
Number of Decimals							0	0	0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1	No RiceOne								0 g	0 b	0 b	0 b	0 f	0 f	0 h
	No Propanil														
2	No RiceOne								11 ef	5 a	5 a	5 a	65 e	48 e	9 g
	Propanil	4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST							
3	No RiceOne								8 f	5 a	5 a	5 a	71 d	54 e	10 g
	Propanil	4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST							
4	No RiceOne								11 ef	5 a	5 a	5 a	81 c	53 e	20 f
	Propanil	4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST							
5	RiceOne	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	13 def	5 a	5 a	5 a	96 ab	80 d	41 e
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	No Propanil														
6	RiceOne	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	15 cde	5 a	5 a	5 a	95 b	91 ab	69 c
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST							
7	RiceOne	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	13 def	5 a	5 a	5 a	97 ab	89 abc	78 b
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST							
8	RiceOne	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	16 cde	5 a	5 a	5 a	97 ab	93 ab	85 a
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST							
9	RiceOne	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	14 cde	5 a	5 a	5 a	96 ab	87 bc	50 d
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	No Propanil														
10	RiceOne	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	15 cde	5 a	5 a	5 a	97 ab	93 ab	76 b
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST							
11	RiceOne	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	19 bc	5 a	5 a	5 a	97 ab	92 ab	75 b
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST							
12	RiceOne	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	18 cd	5 a	5 a	5 a	98 ab	94 ab	78 b
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	EPOST							
	Propanil	4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST							

13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	18 cd	5 a	5 a	5 a	98 ab	84 cd	51 d
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
No Propanil											
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	18 cd	5 a	5 a	5 a	98 a	94 ab	74 bc
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST							
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	24 ab	5 a	5 a	5 a	98 ab	93 ab	86 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST							
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	26 a	5 a	5 a	5 a	98 a	95 a	90 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST							
LSD P=.05					6.0	.	.	.	3.1	6.9	5.3
Standard Deviation					4.2	0.0	0.0	0.0	2.2	4.9	3.7
CV					28.42	0.0	0.0	0.0	2.52	6.28	6.65
Analyzed as					RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F					0.732	0.000	0.000	0.000	1.172	2.637	1.174
Replicate Prob(F)					0.5384	1.0000	1.0000	1.0000	0.3308	0.0611	0.3301
Treatment F					8.480	0.000	0.000	0.000	536.166	116.412	274.054
Treatment Prob(F)					0.0001	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Interactions of RiceOne plus Propanil Mixtures

Trial ID: C18-35 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-35 Investigator: Eric P. Webster

Pest Code	ECHCG	CYPES	CYPES	CYPIR	CYPIR	SEBEX
Rating Date	Jun/4/18	Apr/25/18	May/9/18	Apr/25/18	May/9/18	Apr/25/18
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	54 DAT	14 DAT	28 DAT	14 DAT	28 DAT	14 DAT
Number of Decimals	0	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth						
No. Name Conc Unit Rate Unit Rate Rate Unit Stage	8*	9*	10*	11*	12*	13*
1 No RiceOne No Propanil	0 i	0 g	0 f	0 j	0 h	0 h
2 No RiceOne Propanil 4 LBA/GA L 1 lb ai/a 32 oz/a EPOST	8 hi	35 ef	15 e	33 h	25 g	39 e
3 No RiceOne Propanil 4 LBA/GA L 2 lb ai/a 64 oz/a EPOST	10 h	30 f	25 de	21 i	24 g	45 d
4 No RiceOne Propanil 4 LBA/GA L 4 lb ai/a 128 oz/a EPOST	11 h	40 de	38 bc	35 gh	21 g	46 d
5 RiceOne Agri-Dex No Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST	30 g	45 cd	35 bcd	50 ef	38 f	21 g
6 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 1 lb ai/a 32 oz/a	48 f	56 b	28 cd	70 bc	40 f	45 d
7 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 2 lb ai/a 64 oz/a	60 e	59 b	43 ab	75 ab	63 a-d	48 cd
8 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 4 lb ai/a 128 oz/a	61 de	59 b	45 ab	76 ab	59 cde	53 b
9 RiceOne Agri-Dex No Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST	33 g	50 bc	40 b	45 fg	51 e	24 g
10 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 1 lb ai/a 32 oz/a	65 cde	59 b	36 bcd	70 bc	56 de	51 bc
11 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 2 lb ai/a 64 oz/a	69 bcd	51 bc	40 b	73 ab	68 abc	51 bc
12 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST EPOST 4 LBA/GA L 4 lb ai/a 128 oz/a	74 ab	56 b	53 a	69 bc	70 ab	53 b

13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	35 g	51 bc	36 bcd	58 de	51 e	31 f
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST						
No Propanil										
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	73 bc	53 bc	44 ab	61 cd	59 cde	54 b
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST						
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST						
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	75 ab	74 a	35 bcd	78 ab	60 b-e	55 b
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST						
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST						
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	81 a	75 a	45 ab	83 a	71 a	63 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST						
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST						
LSD P=.05					8.0	8.9	11.3	11.2	11.2	4.1
Standard Deviation					5.6	6.2	7.9	7.9	7.9	2.9
CV					12.31	12.58	22.85	14.05	16.67	6.86
Analyzed as					RCB	RCB	RCB	RCB	RCB	RCB
Replicate F					0.737	2.802	1.938	6.573	1.027	2.778
Replicate Prob(F)					0.5357	0.0506	0.1371	0.0009	0.3897	0.0520
Treatment F					97.132	32.619	10.476	35.751	27.495	121.272
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Interactions of RiceOne plus Propanil Mixtures

Trial ID: C18-35 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-35 Investigator: Eric P. Webster

Pest Code	SEBEX	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	May/9/18	Jul/25/18	Jul/25/18	Jul/25/18	Jul/25/18	Jul/25/18	Jul/26/18
Rating Type	CONTROL	HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT
Rating Unit	%	cm	cm	cm	cm	cm	g
Trt-Eval Interval	28 DAT	105 DAT	105 DAT	105 DAT	105 DAT	105 DAT	106 DAT
Number of Decimals	0	0	0	0	0	0	0
Trt Treatment Form Form Rate Other Other Growth							
No. Name Conc Unit Rate Unit Rate Unit Rate Unit Stage	14*	15*	16*	17*	18*	19*	20*
1 No RiceOne No Propanil	0 i	86 d	82 b	83 d	84 c	84 c	0 h
2 No RiceOne Propanil 4 LBA/GA L 1 lb ai/a 32 oz/a EPOST	38 f	84 d	82 b	85 cd	84 c	84 c	1156 g
3 No RiceOne Propanil 4 LBA/GA L 2 lb ai/a 64 oz/a EPOST	39 ef	87 d	88 b	92 bc	93 b	90 b	1125 g
4 No RiceOne Propanil 4 LBA/GA L 4 lb ai/a 128 oz/a EPOST	41 ef	89 cd	89 b	89 cd	87 bc	88 bc	1229 fg
5 RiceOne Agri-Dex No Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST	20 h	100 ab	100 a	99 a	100 a	100 a	1361 efg
6 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 1 lb ai/a 32 oz/a EPOST	43 e	102 a	99 a	97 ab	101 a	100 a	1480 def
7 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 2 lb ai/a 64 oz/a EPOST	50 d	98 ab	102 a	102 a	102 a	101 a	1602 cde
8 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 0.68 lb ai/a 1 % v/v 24 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 4 lb ai/a 128 oz/a EPOST	53 cd	102 a	100 a	103 a	105 a	102 a	1739 cd
9 RiceOne Agri-Dex No Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST	23 h	104 a	102 a	100 a	101 a	101 a	1230 fg
10 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 1 lb ai/a 32 oz/a EPOST	53 cd	94 bc	100 a	100 a	101 a	99 a	1562 de
11 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 2 lb ai/a 64 oz/a EPOST	54 cd	100 ab	100 a	103 a	103 a	101 a	1564 cde
12 RiceOne Agri-Dex Propanil 3.63 LB/GAL 100 % 1.02 lb ai/a 1 % v/v 36 oz/a 19.2 oz/a EPOST EPOST 4 LBA/GA L 4 lb ai/a 128 oz/a EPOST	56 bc	103 a	100 a	101 a	100 a	101 a	1845 bc

13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	30 g	99 ab	99 a	100 a	100 a	99 a	1348 efg
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
No Propanil											
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	59 ab	102 a	102 a	102 a	103 a	102 a	1665 cd
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST							
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	60 ab	101 a	102 a	104 a	104 a	103 a	2091 ab
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST							
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	63 a	100 ab	101 a	100 a	101 a	100 a	2155 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST							
LSD P=.05					4.7	6.9	6.6	7.0	6.4	5.5	281.9
Standard Deviation					3.3	4.8	4.6	4.9	4.5	3.9	197.9
CV					7.8	4.97	4.78	5.02	4.58	3.96	13.68
Analyzed as					RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F					4.603	4.831	2.963	2.545	2.823	3.462	2.903
Replicate Prob(F)					0.0068	0.0053	0.0420	0.0679	0.0494	0.0239	0.0450
Treatment F					108.445	7.692	9.266	6.978	9.632	11.863	24.871
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Interactions of RiceOne plus Propanil Mixtures			
Trial ID: C18-35	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-35	Investigator: Eric P. Webster		

Pest Code							RICE Jul/26/18 MOISTURE %	RICE Jul/26/18 WEIGHT kg/ha	RICE Jul/26/18 YIELD lb/ac
Rating Date							106 DAT	106 DAT	106 DAT
Rating Type							1	0	0
Rating Unit									
Trt-Eval Interval									
Number of Decimals									
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No RiceOne No Propanil							21*	22* 0 h
2	No RiceOne Propanil	4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	23* 3679 g
3	No RiceOne Propanil	4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST	3284 g
4	No RiceOne Propanil	4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST	3581 g
5	RiceOne Agri-Dex No Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	3196 g
		100	%	1	% v/v	19.2	oz/a	EPOST	
6	RiceOne Agri-Dex Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	3912 fg
		4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	3492 fg
7	RiceOne Agri-Dex Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	4334 efg
		100	%	1	% v/v	19.2	oz/a	EPOST	3868 efg
		4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	
8	RiceOne Agri-Dex Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	4710 def
		4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST	4204 def
9	RiceOne Agri-Dex No Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	5101 cde
		4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST	4553 cde
10	RiceOne Agri-Dex Propanil	3.63	LB/GAL	0.68	lb ai/a	24	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	5537 cd
		4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST	4943 cd
11	RiceOne Agri-Dex No Propanil	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	3915 fg
		4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	3495 fg
12	RiceOne Agri-Dex Propanil	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	4974 de
		4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	4440 de
13	RiceOne Agri-Dex Propanil	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	4978 cde
		4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST	4443 cde
14	RiceOne Agri-Dex Propanil	3.63	LB/GAL	1.02	lb ai/a	36	oz/a	EPOST	22.4 -
		100	%	1	% v/v	19.2	oz/a	EPOST	5875 bc
		4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST	5244 bc

13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	22.4 -	4292 efg	3831 efg
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST			
No Propanil							
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	22.4 -	5299 cd	4730 cd
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST			
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST			
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	22.4 -	6656 ab	5941 ab
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST			
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST			
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	22.4 -	6860 a	6123 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST			
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST			
LSD P=.05					.	897.4	801.0
Standard Deviation					0.00	630.1	562.4
CV					0.0	13.68	13.68
Analyzed as					RCB	RCB	RCB
Replicate F					0.000	2.903	2.903
Replicate Prob(F)					1.0000	0.0450	0.0450
Treatment F					0.000	24.871	24.871
Treatment Prob(F)					1.0000	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Evaluation of RiceOne Plus additional Prowl H2O or Command

Experiment number..... : **C18-37**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date : 04/05/18
Harvest date : 07/30/18

Application type : DPRE
Date applied [mm/dd/yy] : 04/03/18
Time [hh:mm-hh:mm] : 8:10-8:25
Air/Soil temperature [F] : 70/70
Relative humidity [%]..... : 97%
Wind [mph, direction] : 4-8, SSE
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage..... : 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..... : MJO

Weed Species (population) : (height/#leaves) -
CNPPA (5-20 m⁻²) : 0.5-1"/cot
ECHCG (20-50 m⁻²)..... : 0.5-1"/1lf
LEFPA (5-20 m⁻²) : 0.5-1"/1lf
ECLAL (5-10 m⁻²) : 0.5-1"/1-2lf
COMDI (1-5 m⁻²)..... : 0.5-1"/1lf

Flush Dates : N/A
Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of RiceOne plus individual componest

Trial ID: C18-37 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-37 Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE	ECHCG	ECHCG
Rating Date								Apr/10/18	Apr/24/18	May/2/18	May/15/18	May/28/18	Apr/24/18	May/2/18
Rating Type								INJURY	INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%	%
Trt-Eval Interval								7 DAT	21 DAT	29 DAT	42 DAT	55 DAT	21 DAT	29 DAT
Number of Decimals								0	0	0	0	0	0	0
Trt Treatment Form Form														
No. Name Conc Unit Rate Unit Rate Rate Unit Stage								1*	2*	3*	4*	5*	6*	7*
1 Nontreated								0 e	0 b	0 c	0 b	0 b	0 e	0 d
2 RiceOne 3.63 LB/GA								25 c	8 a	9 a	5 a	5 a	96 ab	97 a
3 RiceOne 3.63 LB/GA								36 b	5 a	6 ab	5 a	5 a	96 ab	95 a
4 RiceOne 3.63 LB/GA								40 ab	8 a	6 ab	5 a	5 a	97 a	95 a
5 RiceOne 3.63 LB/GA								38 ab	6 a	5 b	5 a	5 a	97 a	94 a
Prowl H20 3.8 LB/GA														
6 RiceOne 3.63 LB/GA								39 ab	6 a	8 ab	5 a	5 a	96 ab	96 a
Prowl H20 3.8 LB/GA														
7 RiceOne 3.63 LB/GA								39 ab	5 a	5 b	5 a	5 a	96 ab	95 a
Command 3 LB/GA														
8 RiceOne 3.63 LB/GA								43 a	5 a	8 ab	5 a	5 a	95 ab	96 a
Command 3 LB/GA														
9 Prowl H20 3.8 LB/GA								11 d	5 a	5 b	5 a	5 a	78 d	51 c
10 Prowl H20 3.8 LB/GA								10 d	5 a	6 ab	5 a	5 a	80 cd	53 c
11 Prowl H20 3.8 LB/GA								11 d	5 a	5 b	5 a	5 a	81 c	54 c
12 Command 3 LB/GA								10 d	5 a	6 ab	5 a	5 a	94 b	66 b
13 Command 3 LB/GA								11 d	5 a	5 b	5 a	5 a	96 ab	64 b
14 Command 3 LB/GA								13 d	5 a	5 b	5 a	5 a	97 a	69 b
LSD P=.05								5.3	3.0	2.9	.	.	2.7	6.8
Standard Deviation								3.7	2.1	2.0	0.0	0.0	1.9	4.7
CV								15.83	40.06	35.78	0.0	0.0	2.23	6.42
Replicate F								0.264	1.521	3.308	0.000	0.000	2.169	4.616
Replicate Prob(F)								0.8506	0.2242	0.0306	1.0000	1.0000	0.1072	0.0077
Treatment F								67.108	2.872	3.967	0.000	0.000	716.881	139.986
Treatment Prob(F)								0.0001	0.0054	0.0005	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of RiceOne plus individual componest

Trial ID: C18-37 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-37 Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	CYPES	CYPES	CYPIR	CYPIR	RICE	
Rating Date								May/15/18	May/28/18	Apr/24/18	May/2/18	Apr/24/18	May/2/18	Jul/25/18	
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	
Rating Unit								%	%	%	%	%	%	cm	
Trt-Eval Interval								42 DAT	55 DAT	21 DAT	29 DAT	21 DAT	29 DAT	113 DAT	
Number of Decimals								0	0	0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	8*	9*	10*	11*	12*	13*	14*
1	Nontreated								0 l	0 f	0 g	0 e	0 h	0 e	71 f
2	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	61 f	68 c	41 bcd	18 c	43 d	21 ab	97 bc
3	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	71 de	70 bc	39 d	15 c	44 cd	23 a	102 ab
4	RiceOne	3.63	LB/GA L	50 oz/a		1.42 lb ai/a		DPRE	76 cd	76 ab	45 b	16 c	48 bc	21 ab	103 ab
5	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	68 e	70 bc	45 b	15 c	53 a	18 c	98 b
	Prowl H20	3.8	LB/GA L	8.32 oz/a		0.247 lb ai/a		DPRE							
6	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	79 bc	69 c	50 a	16 c	51 ab	18 c	105 a
	Prowl H20	3.8	LB/GA L	5.76 oz/a		0.171 lb ai/a		DPRE							
7	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	83 ab	73 abc	41 bcd	25 b	41 d	19 bc	98 ab
	Command	3	LB/GA L	3.52 oz/a		0.082 ₅ lb ai/a		DPRE							
8	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	85 a	78 a	40 cd	25 b	43 d	23 a	101 ab
	Command	3	LB/GA L	1.92 oz/a		0.045 lb ai/a		DPRE							
9	Prowl H20	3.8	LB/GA L	7.68 oz/a		0.228 lb ai/a		DPRE	19 k	18 e	31 e	38 a	31 f	21 ab	75 ef
10	Prowl H20	3.8	LB/GA L	11.8 ₄ oz/a		0.35 lb ai/a		DPRE	21 jk	16 e	44 bc	28 b	36 e	23 a	71 f
11	Prowl H20	3.8	LB/GA L	16 oz/a		0.475 lb ai/a		DPRE	26 j	18 e	45 b	28 b	41 d	17 c	74 ef
12	Command	3	LB/GA L	3.2 oz/a		0.075 lb ai/a		DPRE	36 i	12 e	9 f	10 d	13 g	10 d	80 e
13	Command	3	LB/GA L	4.8 oz/a		0.113 lb ai/a		DPRE	45 h	44 d	6 f	9 d	10 g	11 d	91 cd
14	Command	3	LB/GA L	6.72 oz/a		0.158 lb ai/a		DPRE	55 g	45 d	5 f	9 d	10 g	11 d	88 d
LSD P=.05								5.8	6.7	4.3	4.3	4.5	3.4	6.7	
Standard Deviation								4.0	4.6	3.0	3.0	3.1	2.4	4.7	
CV								7.63	9.68	9.49	16.76	9.43	14.14	5.17	
Replicate F								3.101	0.155	0.964	1.287	0.307	2.590	11.448	
Replicate Prob(F)								0.0383	0.9259	0.4193	0.2933	0.8204	0.0674	0.0001	
Treatment F								181.192	142.136	144.522	41.689	124.783	29.275	28.500	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPEATS

Evaluation of RiceOne plus individual component

Trial ID: C18-37 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-37 Investigator: Eric P. Webster

Protocol ID: G16-07 Investigator: Eric F. Webster								RICE		RICE		RICE		RICE		RICE	
Rating Date								Jul/25/18	Jul/25/18	Jul/25/18	Jul/25/18	Jul/30/18	Jul/30/18	Jul/30/18	Jul/30/18		
Rating Type								HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT	YIELD	MOISTURE	YIELD			
Rating Unit								cm	cm	cm	cm	g	%	kg/ha			
Trt-Eval Interval								113 DAT	113 DAT	113 DAT	113 DAT	118 DAT	118 DAT	118 DAT			
Number of Decimals								0	0	0	0	0	1	0			
Trt	Treatment	Form	Form	Rate	Other	Other	Growth										
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	15*	16*	17*	18*	19*	20*	21*		
1	Nontreated								70 e	70 f	68 e	70 d	0 e	14.6 -	0 e		
2	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a	DPRE		97 b	102 a	104 a	100 a	1272 c	14.6 -	4227 c		
3	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a	DPRE		104 ab	103 a	104 a	103 a	1371 bc	14.6 -	4554 bc		
4	RiceOne	3.63	LB/GA L	50 oz/a		1.42 lb ai/a	DPRE		102 ab	103 a	100 a	102 a	1531 a	14.6 -	5087 a		
5	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a	DPRE		99 ab	99 ab	101 a	99 a	1373 bc	14.6 -	4561 bc		
	Prowl H20	3.8	LB/GA L	8.32 oz/a		0.247 lb ai/a	DPRE										
6	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a	DPRE		106 a	102 a	106 a	105 a	1331 c	14.6 -	4422 c		
	Prowl H20	3.8	LB/GA L	5.76 oz/a		0.171 lb ai/a	DPRE										
7	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a	DPRE		103 ab	100 ab	103 a	101 a	1485 ab	14.6 -	4934 ab		
	Command	3	LB/GA L	3.52 oz/a		0.0825 lb ai/a	DPRE										
8	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a	DPRE		102 ab	104 a	103 a	102 a	1516 ab	14.6 -	5037 ab		
	Command	3	LB/GA L	1.92 oz/a		0.045 lb ai/a	DPRE										
9	Prowl H20	3.8	LB/GA L	7.68 oz/a		0.228 lb ai/a	DPRE		79 cd	72 f	74 de	75 cd	0 e	14.6 -	0 e		
10	Prowl H20	3.8	LB/GA L	11.84 oz/a		0.35 lb ai/a	DPRE		74 de	75 ef	73 de	73 d	0 e	14.6 -	0 e		
11	Prowl H20	3.8	LB/GA L	16 oz/a		0.475 lb ai/a	DPRE		75 de	79 def	77 cd	76 cd	0 e	14.6 -	0 e		
12	Command	3	LB/GA L	3.2 oz/a		0.075 lb ai/a	DPRE		81 cd	84 cde	81 bcd	81 bc	0 e	14.6 -	0 e		
13	Command	3	LB/GA L	4.8 oz/a		0.113 lb ai/a	DPRE		87 c	88 cd	89 b	89 b	1099 d	14.6 -	3651 d		
14	Command	3	LB/GA L	6.72 oz/a		0.158 lb ai/a	DPRE		86 c	91 bc	86 bc	88 b	1046 d	14.6 -	3475 d		
LSD P=.05								8.3	9.5	8.9	7.1	147.2	.	489.1			
Standard Deviation								5.8	6.6	6.2	5.0	102.9	0.00	341.9			
CV								6.36	7.23	6.8	5.47	11.98	0.0	11.98			
Replicate F								8.117	9.049	9.134	12.089	0.532	0.000	0.532			
Replicate Prob(F)								0.0003	0.0001	0.0001	0.0001	0.6634	1.0000	0.6634			
Treatment F								18.614	14.223	19.069	25.781	173.617	0.000	173.617			
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	1.0000	0.0001			

LSU AgCenter SPESS

Evaluation of RiceOne plus individual componest									
Trial ID: C18-37		Location: RRS-Crowley, LA		Trial Year: 2018					
Protocol ID: C18-37		Investigator: Eric P. Webster							
Pest Code								RICE	
Rating Date								Jul/30/18	
Rating Type								YIELD	
Rating Unit								lb/ac	
Trt-Eval Interval								118 DAT	
Number of Decimals								0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	Nontreated							22*	
2	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	
3	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	
4	RiceOne	3.63	LB/GA L	50 oz/a		1.42 lb ai/a		DPRE	
5	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	
	Prowl H20	3.8	LB/GA L	8.32 oz/a		0.247 lb ai/a		DPRE	
6	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	
	Prowl H20	3.8	LB/GA L	5.76 oz/a		0.171 lb ai/a		DPRE	
7	RiceOne	3.63	LB/GA L	24 oz/a		0.68 lb ai/a		DPRE	
	Command	3	LB/GA L	3.52 oz/a		0.082 5 lb ai/a		DPRE	
8	RiceOne	3.63	LB/GA L	36 oz/a		1.02 lb ai/a		DPRE	
	Command	3	LB/GA L	1.92 oz/a		0.045 lb ai/a		DPRE	
9	Prowl H20	3.8	LB/GA L	7.68 oz/a		0.228 lb ai/a		DPRE	
10	Prowl H20	3.8	LB/GA L	11.8 4 oz/a		0.35 lb ai/a		DPRE	
11	Prowl H20	3.8	LB/GA L	16 oz/a		0.475 lb ai/a		DPRE	
12	Command	3	LB/GA L	3.2 oz/a		0.075 lb ai/a		DPRE	
13	Command	3	LB/GA L	4.8 oz/a		0.113 lb ai/a		DPRE	
14	Command	3	LB/GA L	6.72 oz/a		0.158 lb ai/a		DPRE	
LSD P=.05								436.5	
Standard Deviation								305.2	
CV								11.98	
Replicate F								0.532	
Replicate Prob(F)								0.6634	
Treatment F								173.617	
Treatment Prob(F)								0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Interaction of RiceOne Mixed with RiceBeaux

Experiment number..... : **C18-39**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date : 04/05/18
Harvest date : 07/26/18
Uniform Standard Treatment ... : Permit Plust @ 0.75 oz/A on 05/16/18

Application type : EPOST
Date applied [mm/dd/yy] : 04/12/18
Time [hh:mm-hh:mm] : 08:30-09:15
Air/Soil temperature [F] : 62/61
Relative humidity [%]..... : 87%
Wind [mph, direction] : 4-6, SSE
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage..... : 1-2 Leaf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : EPW

Weed Species (population) : (height/#leaves) -
ECHCG (100-200 m⁻²)..... : ½-1"/1-2lf
CYPES (5-10 m⁻²) : 1-4"/1-5lf
CYPPIR (20-30 m⁻²)..... : ½-1"/1-2lf

Flush Dates : N/A
Permanent Flood..... : 5/4/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Interaction of RiceOne Mixed with RiceBeaux

Trial ID: C18-39 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-39 Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	ECHCG	ECHCG
Rating Date							Apr/24/18	May/2/18	May/15/18	May/28/15	Apr/24/18	May/2/18
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							12 DAT	20 DAT	33 DAT	46 DAT	12 DAT	20 DAT
Number of Decimals							0	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	1*	2*	3*	4*	5*	6*
1 No Residual No RiceBeaux							0 -	0 b	0 b	0 b	0 d	0 g
2 No Residual RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	6 -	5 a	5 a	5 a	96 a	84 c
3 No Residual RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3	qt/a	6 -	5 a	5 a	5 a	97 a	76 d
4 RiceOne No RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	9 -	5 a	5 a	5 a	92 b	93 ab
5 RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	6 -	5 a	5 a	5 a	98 a	96 a
	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a						
6 RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	8 -	5 a	5 a	5 a	96 a	95 ab
	6	LBA/GA L	4.5	lb ai/a	3	qt/a						
7 Prowl H2O No RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	6 -	5 a	5 a	5 a	81 c	63 f
8 Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	8 -	5 a	5 a	5 a	96 a	74 d
	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a						
9 Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	6 -	5 a	5 a	5 a	96 a	74 d
	6	LBA/GA L	4.5	lb ai/a	3	qt/a						
10 Command No RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	8 -	5 a	5 a	5 a	94 ab	94 ab
11 Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	6 -	5 a	5 a	5 a	97 a	92 ab
	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a						
12 Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	8 -	5 a	5 a	5 a	96 a	92 ab
	6	LBA/GA L	4.5	lb ai/a	3	qt/a						
13 RiceOne No RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	9 -	5 a	5 a	5 a	94 ab	95 ab
14 RiceOne RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	5 -	5 a	5 a	5 a	98 a	93 ab
	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a						

15 RiceOne	3.63	LBA/GA L	1.02 lb ai/a	36 oz/a	EPOST	8 -	5 a	5 a	5 a	95 ab	95 ab
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST						
16 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	5 -	5 a	5 a	5 a	84 c	69 e
No RiceBeaux											
17 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	6 -	5 a	5 a	5 a	96 a	78 d
RiceBeaux	6	LBA/GA L	2.25 lb ai/a	1.5 qt/a	EPOST						
18 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	6 -	5 a	5 a	5 a	97 a	93 ab
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST						
19 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	8 -	5 a	5 a	5 a	92 b	93 ab
No RiceBeaux											
20 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	5 -	5 a	5 a	5 a	97 a	93 ab
RiceBeaux	6	LBA/GA L	2.25 lb ai/a	1.5 qt/a	EPOST						
21 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	5 -	5 a	5 a	5 a	96 a	91 b
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST						
LSD P=.05						4.2				3.3	4.4
Standard Deviation						3.0	0.0	0.0	0.0	2.3	3.1
CV						47.28	0.0	0.0	0.0	2.58	3.76
Replicate F						5.753	0.000	0.000	0.000	1.025	0.785
Replicate Prob(F)						0.0016	1.0000	1.0000	1.0000	0.3881	0.5073
Treatment F						1.508	0.000	0.000	0.000	328.663	191.314
Treatment Prob(F)						0.1122	1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Interaction of RiceOne Mixed with RiceBeaux

Trial ID: C18-39 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-39 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							ECHCG May/15/18 CONTROL % 33 DAT 0	ECHCG May/28/18 CONTROL % 46 DAT 0	CYPES Apr/24/18 CONTROL % 12 DAT 0	CYPES May/2/18 CONTROL % 20 DAT 0	CYPIR Apr/24/18 CONTROL % 12 DAT 0	CYPIR May/2/18 CONTROL % 20 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	7*	8*	9*	10*	11*	12*
1	No Residual No RiceBeaux								0 i	0 j	0 l	0 g	0 j	0 h
2	No Residual RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST	38 h	30 i	41 gh	21 ef	34 c	19 cde
3	No Residual RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST	50 f	53 f	48 cde	34 ab	43 b	39 a
4	RiceOne No RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	63 d	50 fg	24 j	21 ef	29 de	20 cd
5	RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	89 a	89 ab	46 def	21 ef	41 b	19 cde
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST						
6	RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	90 a	90 ab	51 bc	34 ab	44 b	39 a
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST						
7	Prowl H2O No RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	44 g	30 i	33 i	31 abc	28 ef	38 a
8	Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	43 g	48 fg	49 cde	34 ab	43 b	40 a
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST						
9	Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	53 f	50 fg	50 cd	25 cde	41 b	16 de
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST						
10	Command No RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	51 f	40 h	5 k	5 g	5 i	5 g
11	Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	73 c	74 cd	33 i	33 ab	18 h	16 de
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST						
12	Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	79 b	78 c	38 h	23 def	24 fg	15 ef
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST						
13	RiceOne No RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	EPOST	71 c	70 d	31 i	18 f	26 ef	11 f
14	RiceOne RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	EPOST	90 a	90 ab	45 efg	25 cde	33 cd	30 b
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST						

15 RiceOne	3.63	LBA/GA L	1.02	lb ai/a	36 oz/a	EPOST	93 a	93 a	50 cd	24 c-f	43 b	29 b
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST						
16 Prowl H2O No RiceBeaux	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	38 h	41 h	41 gh	23 def	36 c	29 b
17 Prowl H2O	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	49 f	45 gh	59 a	33 ab	49 a	26 b
RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5 qt/a	EPOST						
18 Prowl H2O	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	58 e	64 e	55 ab	36 a	45 ab	40 a
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST						
19 Command No RiceBeaux	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	50 f	63 e	5 k	5 g	5 i	5 g
20 Command	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	83 b	64 e	38 h	29 bcd	26 ef	21 c
RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5 qt/a	EPOST						
21 Command	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	91 a	86 b	43 fg	23 def	20 gh	16 de
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST						
LSD P=.05							5.0	5.4	4.8	7.3	4.4	4.5
Standard Deviation							3.5	3.8	3.4	5.2	3.1	3.2
CV							5.73	6.45	9.13	21.91	10.47	14.15
Replicate F							2.937	0.831	3.053	0.482	1.528	1.370
Replicate Prob(F)							0.0404	0.4820	0.0352	0.6961	0.2166	0.2606
Treatment F							183.213	160.098	94.533	15.152	81.615	58.562
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Interaction of RiceOne Mixed with RiceBeaux

Trial ID: C18-39 Location: RRS-Crowley, LA Trial Year: 2018
Protocol ID: C18-39 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 HEIGHT cm 104 DAT 0	RICE Jul/25/18 HEIGHT cm 104 DAT 0	RICE Jul/25/18 HEIGHT cm 104 DAT 0	RICE Jul/25/18 HEIGHT cm 104 DAT 0	RICE Jul/25/18 AVG HEIGHT cm 104 DAT 0	RICE Jul/26/18 WEIGHT g/plot 105 DAT 0	RICE Jul/26/18 MOISTURE % 105 DAT 1		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	13*	14*	15*	16*	17*	18*	19*
1	No Residual No RiceBeaux								85 h	86 f	84 f	88 d	86 g	1018 h	22.9 -
2	No Residual RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST	92 g	92 e	98 cde	98 c	95 f	1273 d-h	22.9 -
3	No Residual RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST	100 b-f	99 a-d	99 a-e	99 bc	99 b-e	1310 d-h	22.9 -
4	RiceOne No RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	102 a-d	101 a-d	104 a	104 a	103 ab	1471 def	22.9 -
5	RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	105 a	104 a	104 a	104 ab	104 a	1914 ab	22.9 -
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST							
6	RiceOne RiceBeaux	3.63	LBA/GA L	0.68	lb ai/a	24	oz/a	EPOST	100 b-f	101 a-d	103 ab	99 abc	101 a-d	2129 a	22.9 -
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST							
7	Prowl H2O No RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	99 b-f	101 a-d	99 a-e	97 c	99 cde	1153 fgh	22.9 -
8	Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	98 def	98 d	101 a-d	102 abc	99 b-e	1094 gh	22.9 -
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST							
9	Prowl H2O RiceBeaux	3.8	LBA/GA L	0.48	lb ai/a	16.2	oz/a	EPOST	96 efg	97 de	97 de	97 c	97 ef	1520 cde	22.9 -
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST							
10	Command No RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	99 b-f	97 de	99 a-e	99 abc	99 def	1192 e-h	22.9 -
11	Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	103 abc	103 abc	101 a-d	99 abc	102 a-d	1448 def	22.9 -
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST							
12	Command RiceBeaux	3	LBA/GA L	0.2	lb ai/a	8.5	oz/a	EPOST	100 b-f	100 a-d	101 a-d	99 abc	100 b-e	1549 cd	22.9 -
		6	LBA/GA L	4.5	lb ai/a	3	qt/a	EPOST							
13	RiceOne No RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	EPOST	103 abc	100 a-d	102 abc	100 abc	101 a-d	1416 d-g	22.9 -
14	RiceOne RiceBeaux	3.63	LBA/GA L	1.02	lb ai/a	36	oz/a	EPOST	99 c-f	98 cd	100 a-e	97 c	98 def	1986 a	22.9 -
		6	LBA/GA L	2.25	lb ai/a	1.5	qt/a	EPOST							

15 RiceOne	3.63	LBA/GA L	1.02	lb ai/a	36 oz/a	EPOST	104 ab	104 ab	103 ab	100 abc	103 abc	2072 a	22.9 -
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST							
16 Prowl H2O	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	100 a-f	98 cd	99 b-e	101 abc	99 b-e	1582 bcd	22.9 -
No RiceBeaux													
17 Prowl H2O	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	100 a-f	101 a-d	96 e	101 abc	99 b-e	1405 d-g	22.9 -
RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5 qt/a	EPOST							
18 Prowl H2O	3.8	LBA/GA L	0.72	lb ai/a	24.4 oz/a	EPOST	97 efg	98 bcd	100 a-e	98 c	98 def	1527 cde	22.9 -
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST							
19 Command	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	100 a-f	101 a-d	102 a-d	100 abc	100 a-e	1547 cd	22.9 -
No RiceBeaux													
20 Command	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	96 fg	98 cd	102 a-d	102 abc	99 b-e	1535 cde	22.9 -
RiceBeaux	6	LBA/GA L	2.25	lb ai/a	1.5 qt/a	EPOST							
21 Command	3	LBA/GA L	0.3	lb ai/a	12.8 oz/a	EPOST	101 a-e	102 a-d	103 ab	101 abc	102 a-d	1821 abc	22.9 -
RiceBeaux	6	LBA/GA L	4.5	lb ai/a	3 qt/a	EPOST							
LSD P=.05							5.2	5.3	4.9	5.3	3.9	346.3	.
Standard Deviation							3.7	3.7	3.5	3.8	2.8	244.8	0.00
CV							3.72	3.77	3.5	3.8	2.79	16.09	0.0
Replicate F							11.979	11.711	13.800	6.249	16.955	2.413	0.000
Replicate Prob(F)							0.0001	0.0001	0.0001	0.0009	0.0001	0.0755	1.0000
Treatment F							5.512	4.860	5.951	3.070	7.352	6.529	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Interaction of RiceOne Mixed with RiceBeaux									
Trial ID: C18-39		Location: RRS-Crowley, LA		Trial Year: 2018					
Protocol ID: C18-39		Investigator: Eric P. Webster							
Pest Code							RICE	RICE	
Rating Date							Jul/26/18	Jul/26/18	
Rating Type							YIELD	YIELD	
Rating Unit							kg/ha	lb/ac	
Trt-Eval Interval							105 DAT	105 DAT	
Number of Decimals							0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
								20*	
								21*	
1	No Residual							3240 h	
	No							2891 h	
	RiceBeaux								
2	No Residual							4052 d-h	
	RiceBeaux	6	LBA/GA	2.25	lb	1.5	qt/a	EPOST	
			L		ai/a				
3	No Residual							4169 d-h	
	RiceBeaux	6	LBA/GA	4.5	lb	3	qt/a	EPOST	
			L		ai/a				
4	RiceOne	3.63	LBA/GA	0.68	lb	24	oz/a	EPOST	
	No		L		ai/a			4681 def	
	RiceBeaux							4176 def	
5	RiceOne	3.63	LBA/GA	0.68	lb	24	oz/a	EPOST	
			L		ai/a			6091 ab	
	RiceBeaux	6	LBA/GA	2.25	lb	1.5	qt/a	EPOST	
			L		ai/a			5435 ab	
6	RiceOne	3.63	LBA/GA	0.68	lb	24	oz/a	EPOST	
			L		ai/a			6778 a	
	RiceBeaux	6	LBA/GA	4.5	lb	3	qt/a	EPOST	
			L		ai/a			6047 a	
7	Prowl H2O	3.8	LBA/GA	0.48	lb	16.2	oz/a	EPOST	
	No		L		ai/a			3670 fgh	
	RiceBeaux							3274 fgh	
8	Prowl H2O	3.8	LBA/GA	0.48	lb	16.2	oz/a	EPOST	
			L		ai/a			3483 gh	
	RiceBeaux	6	LBA/GA	2.25	lb	1.5	qt/a	EPOST	
			L		ai/a			3107 gh	
9	Prowl H2O	3.8	LBA/GA	0.48	lb	16.2	oz/a	EPOST	
			L		ai/a			4837 cde	
	RiceBeaux	6	LBA/GA	4.5	lb	3	qt/a	EPOST	
			L		ai/a			4316 cde	
10	Command	3	LBA/GA	0.2	lb	8.5	oz/a	EPOST	
	No		L		ai/a			3794 e-h	
	RiceBeaux							3385 e-h	
11	Command	3	LBA/GA	0.2	lb	8.5	oz/a	EPOST	
			L		ai/a			4610 def	
	RiceBeaux	6	LBA/GA	2.25	lb	1.5	qt/a	EPOST	
			L		ai/a			4113 def	
12	Command	3	LBA/GA	0.2	lb	8.5	oz/a	EPOST	
			L		ai/a			4929 cd	
	RiceBeaux	6	LBA/GA	4.5	lb	3	qt/a	EPOST	
			L		ai/a			4398 cd	
13	RiceOne	3.63	LBA/GA	1.02	lb	36	oz/a	EPOST	
	No		L		ai/a			4506 d-g	
	RiceBeaux							4020 d-g	
14	RiceOne	3.63	LBA/GA	1.02	lb	36	oz/a	EPOST	
			L		ai/a			6321 a	
	RiceBeaux	6	LBA/GA	2.25	lb	1.5	qt/a	EPOST	
			L		ai/a			5639 a	

15 RiceOne	3.63	LBA/GA L	1.02 lb ai/a	36 oz/a	EPOST	6595 a	5884 a
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST		
16 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	5034 bcd	4492 bcd
No RiceBeaux							
17 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	4473 d-g	3990 d-g
RiceBeaux	6	LBA/GA L	2.25 lb ai/a	1.5 qt/a	EPOST		
18 Prowl H2O	3.8	LBA/GA L	0.72 lb ai/a	24.4 oz/a	EPOST	4861 cde	4337 cde
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST		
19 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	4925 cd	4394 cd
No RiceBeaux							
20 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	4886 cde	4359 cde
RiceBeaux	6	LBA/GA L	2.25 lb ai/a	1.5 qt/a	EPOST		
21 Command	3	LBA/GA L	0.3 lb ai/a	12.8 oz/a	EPOST	5797 abc	5172 abc
RiceBeaux	6	LBA/GA L	4.5 lb ai/a	3 qt/a	EPOST		
LSD P=.05						1102.4	983.5
Standard Deviation						779.4	695.3
CV						16.09	16.09
Replicate F						2.413	2.413
Replicate Prob(F)						0.0755	0.0755
Treatment F						6.529	6.529
Treatment Prob(F)						0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

**Evaluation of Rice Cultivar Tolerance to Post-Flood Application of
Benzobicyclon in Water-Seeded Rice**

Experiment number..... : **C18-40**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01, Diamond, Cheniere, CL111, CL252, CLXL745
Planting date : 03/22/18
Emergence date..... : 04/05/18
Harvest date..... : 07/25/18

Application type : POSTFLOOD
Date applied [mm/dd/yy] : 04/17/18
Time [hh:mm-hh:mm] : 08:10-08:45a
Air/Soil temperature [F] : 64/62
Relative humidity [%]..... : 79%
Wind [mph, direction] : 2-3, S
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Flood/Dry
Crop stage..... : 1-2 Leaf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 10/42
Applied by..... : EPW/SYR

Flush Dates : N/A
Permanent Flood..... : 04/10/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Rice Cultivar Tolerance to Post-Flood Application of Benzobicyclon in Water-Seeded Rice						
Trial ID:	C18-40	Location:	RRS- Crowley, LA	Trial Year:	2018	
Protocol ID:	C18-40	Investigator:	Eric P. Webster			
Project ID:		Study Director:				
		Sponsor Contact:				

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/2/18 INJURY % 15 DAT 0	RICE May/15/18 INJURY % 28 DAT 0	RICE May/28/18 INJURY % 41 DAT 0	RICE Jun/8/18 INJURY % 52 DAT 0	RICE May/15/18 HEIGHT cm 28 DAT 0	RICE May/15/18 HEIGHT cm 28 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	1*	2*	3*	4*	5*	6*
1	Diamond Benzobicyclon	3.33	LB/GA L	298 g ai/a		25.2 fl oz/a		POSTFLOOD	25 a	8 ab	8 ab	0 -	47 -	47 c-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
2	Diamond Rogue Plus	76.5 %		347 g ai/a		16 oz/a		POSTFLOOD	8 b-f	4 bcd	1 bc	0 -	43 -	41 h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
3	Diamond Permit	75 %		43 g ai/a		2.02 oz/a		POSTFLOOD	9 b-e	1 cd	0 c	0 -	51 -	47 c-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
4	Provisia Benzobicyclon	3.33	LB/GA L	298 g ai/a		25.2 fl oz/a		POSTFLOOD	13 b	3 bcd	0 c	0 -	44 -	45 d-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
5	Provisia Rogue Plus	76.5 %		347 g ai/a		16 oz/a		POSTFLOOD	5 c-g	6 abc	0 c	0 -	56 -	45 e-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
6	Provisia Permit	75 %		43 g ai/a		2.02 oz/a		POSTFLOOD	3 efg	1 cd	0 c	0 -	50 -	49 b-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
7	Cheniere Benzobicyclon	3.33	LB/GA L	298 g ai/a		25.2 fl oz/a		POSTFLOOD	11 bc	10 a	6 bc	0 -	42 -	43 gh
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
8	Cheniere Rogue Plus	76.5 %		347 g ai/a		16 oz/a		POSTFLOOD	10 bcd	6 abc	14 a	0 -	45 -	46 c-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
9	Cheniere Permit	75 %		43 g ai/a		2.02 oz/a		POSTFLOOD	4 d-g	3 bcd	1 bc	0 -	44 -	43 fgh
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
10	CL111 Benzobicyclon	3.33	LB/GA L	298 g ai/a		25.2 fl oz/a		POSTFLOOD	9 b-e	0 d	1 bc	0 -	44 -	48 c-h
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						
11	CL111 Rogue Plus	76.5 %		347 g ai/a		16 oz/a		POSTFLOOD	0 g	0 d	0 c	0 -	54 -	54 abc
	COC	100 %		19.2 fl oz/a		1 % v/v		POSTFLOOD						

12 CL111						1 fg	0 d	0 c	0 -	51 -	53 bcd
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
13 CL252						10 bcd	0 d	4 bc	0 -	61 -	56 ab
Benzobicyclo n	3.33 LB/GA L		298 g ai/a	25.2 fl oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
14 CL252						5 c-g	0 d	3 bc	0 -	50 -	50 b-g
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
15 CL252						5 c-g	0 d	4 bc	0 -	52 -	51 b-g
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
16 CLXL745						6 b-g	1 cd	0 c	0 -	51 -	50 b-g
Benzobicyclo n	3.33 LB/GA L		298 g ai/a	25.2 fl oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
17 CLXL745						5 c-g	0 d	0 c	0 -	48 -	47 c-h
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
18 CLXL745						1 fg	0 d	0 c	0 -	51 -	53 b-e
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD						
19 Diamond						0 g	0 d	0 c	0 -	123 -	51 b-f
Nontreated											
20 Provisia						0 g	0 d	0 c	0 -	54 -	51 b-e
Nontreated											
21 Cheniere						0 g	0 d	0 c	0 -	45 -	47 c-h
Nontreated											
22 CL111						0 g	0 d	0 c	0 -	60 -	57 ab
Nontreated											
23 CL252						0 g	0 d	0 c	0 -	62 -	62 a
Nontreated											
24 CLXL745						0 g	0 d	0 c	0 -	50 -	50 b-g
Nontreated											
LSD P=.05						7.3	5.6	7.1	.	45.4	8.4
Standard Deviation						5.2	4.0	5.1	0.0	32.2	5.9
CV						97.04	224.72	294.86	0.0	60.5	12.04
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						1.675	1.995	2.714	0.000	1.000	2.414
Replicate Prob(F)						0.1804	0.1228	0.0514	1.0000	0.3982	0.0739
Treatment F						5.063	2.091	1.710	0.000	0.981	2.773
Treatment Prob(F)						0.0001	0.0100	0.0457	1.0000	0.4993	0.0006

LSU AgCenter SPESS

Evaluation of Rice Cultivar Tolerance to Post-Flood Application of Benzobicyclon in Water-Seeded Rice					
Trial ID:	C18-40	Location:	RRS- Crowley, LA	Trial Year: 2018	
Protocol ID:	C18-40	Investigator:	Eric P. Webster		
Project ID:		Study Director:			
		Sponsor Contact:			

Pest Code						RICE	RICE	RICE	RICE	RICE	RICE		
Rating Date						May/15/18	May/15/18	May/15/18	May/28/18	May/28/18	May/28/18		
Rating Type						HEIGHT	HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	HEIGHT		
Rating Unit						cm	cm	cm	cm	cm	cm		
Trt-Eval Interval						28 DAT	28 DAT	28 DAT	41 DAT	41 DAT	41 DAT		
Number of Decimals						0	0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Stage	7*	8*	9*	10*	11*	12*
1	Diamond Benzobicyclo n	3.33	LB/GA L	298 g ai/a	25.2 fl oz/a		POSTFLOOD	47 c-g	47 d-g	47 cde	67 b-f	70 c-f	69 c-h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
2	Diamond Rogue Plus	76.5 %		347 g ai/a	16 oz/a		POSTFLOOD	47 c-g	46 d-g	44 de	76 a	72 b-e	70 c-g
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
3	Diamond Permit	75 %		43 g ai/a	2.02 oz/a		POSTFLOOD	48 c-g	50 b-g	49 b-e	64 ef	67 def	68 d-h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
4	Provisia Benzobicyclo n	3.33	LB/GA L	298 g ai/a	25.2 fl oz/a		POSTFLOOD	47 c-g	47 d-g	46 cde	70 a-e	73 a-e	68 c-h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
5	Provisia Rogue Plus	76.5 %		347 g ai/a	16 oz/a		POSTFLOOD	45 d-g	47 d-g	48 b-e	70 a-e	69 c-f	69 c-h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
6	Provisia Permit	75 %		43 g ai/a	2.02 oz/a		POSTFLOOD	46 d-g	48 d-g	48 b-e	70 a-e	68 c-f	71 b-f
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
7	Cheniere Benzobicyclo n	3.33	LB/GA L	298 g ai/a	25.2 fl oz/a		POSTFLOOD	40 g	42 g	42 e	66 c-f	63 f	65 fgh
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
8	Cheniere Rogue Plus	76.5 %		347 g ai/a	16 oz/a		POSTFLOOD	40 fg	42 fg	43 e	61 f	63 f	62 h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
9	Cheniere Permit	75 %		43 g ai/a	2.02 oz/a		POSTFLOOD	42 efg	43 efg	43 e	65 c-f	67 ef	66 e-h
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
10	CL111 Benzobicyclo n	3.33	LB/GA L	298 g ai/a	25.2 fl oz/a		POSTFLOOD	49 c-f	46 d-g	47 cde	71 a-e	74 a-e	75 abc
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							
11	CL111 Rogue Plus	76.5 %		347 g ai/a	16 oz/a		POSTFLOOD	52 bcd	54 a-d	53 b-e	77 a	75 abc	74 a-d
	COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD							

12 CL111 Permit	75 %	43 g ai/a	2.02 oz/a	POSTFLOOD	51 b-e	52 a-d	52 b-e	75 a	73 a-e	74 a-d
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
13 CL252 Benzobicyclo n	3.33 ^{LB/GA} L	298 g ai/a	25.2 fl oz/a	POSTFLOOD	56 abc	57 abc	58 a-d	77 a	79 a	77 ab
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
14 CL252 Rogue Plus	76.5 %	347 g ai/a	16 oz/a	POSTFLOOD	52 bcd	52 a-d	51 b-e	72 a-d	74 a-d	75 a-d
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
15 CL252 Permit	75 %	43 g ai/a	2.02 oz/a	POSTFLOOD	53 a-d	55 a-d	53 b-e	73 ab	74 a-d	74 a-d
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
16 CLXL745 Benzobicyclo n	3.33 ^{LB/GA} L	298 g ai/a	25.2 fl oz/a	POSTFLOOD	49 c-f	49 c-g	50 b-e	74 ab	73 a-e	72 b-e
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
17 CLXL745 Rogue Plus	76.5 %	347 g ai/a	16 oz/a	POSTFLOOD	47 c-g	47 d-g	47 cde	73 abc	73 a-e	74 a-d
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
18 CLXL745 Permit	75 %	43 g ai/a	2.02 oz/a	POSTFLOOD	52 bcd	51 b-e	52 b-e	75 a	75 a-d	74 a-d
COC	100 %	19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
19 Diamond Nontreated					52 bcd	50 b-g	69 a	71 a-e	70 c-f	68 d-h
20 Provisia Nontreated					51 cde	51 b-f	52 b-e	77 a	77 ab	77 ab
21 Cheniere Nontreated					50 cde	50 c-g	48 b-e	65 def	63 f	64 gh
22 CL111 Nontreated					60 ab	60 a	59 abc	73 ab	74 a-d	72 b-e
23 CL252 Nontreated					62 a	59 ab	61 ab	77 a	73 a-e	80 a
24 CLXL745 Nontreated					50 cde	51 b-e	50 b-e	75 a	75 a-d	73 a-e
LSD P=.05		9.1	8.9				13.6	7.5	7.5	7.3
Standard Deviation		6.5	6.3				9.6	5.3	5.3	5.1
CV		13.03	12.64				19.11	7.42	7.43	7.22
Analyzed as		RCB	RCB				RCB	RCB	RCB	RCB
Replicate F		2.508	2.026				1.698	6.968	4.170	6.225
Replicate Prob(F)		0.0660	0.1183				0.1756	0.0004	0.0090	0.0008
Treatment F		2.724	2.401				1.726	3.077	2.771	3.181
Treatment Prob(F)		0.0007	0.0028				0.0429	0.0002	0.0006	0.0001

LSU AgCenter SPESS

Evaluation of Rice Cultivar Tolerance to Post-Flood Application of Benzobicyclon in Water-Seeded Rice					
Trial ID:	C18-40	Location:	RRS- Crowley, LA	Trial Year:	2018
Protocol ID:	C18-40	Investigator:	Eric P. Webster		
Project ID:		Study Director:			
		Sponsor Contact:			

Pest Code						RICE	RICE	RICE	RICE	RICE	RICE
Rating Date						May/28/18	May/28/18	Jul/24/18	Jul/24/18	Jul/24/18	Jul/24/18
Rating Type						HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit						cm	cm	cm	cm	cm	cm
Trt-Eval Interval						41 DAT	41 DAT	99 DAT	99 DAT	99 DAT	99 DAT
Number of Decimals						0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	Diamond										
	Benzobicyclon	3.33	LB/GA	298 g ai/a	25.2 fl oz/a			POSTFLOOD	68 e-h	68 c-h	96 ef
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
2	Diamond										
	Rogue Plus	76.5 %		347 g ai/a	16 oz/a			POSTFLOOD	72 cde	72 a-d	105 abc
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
3	Diamond										
	Permit	75 %		43 g ai/a	2.02 oz/a			POSTFLOOD	67 e-h	66 d-h	97 def
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
4	Provisia										
	Benzobicyclon	3.33	LB/GA	298 g ai/a	25.2 fl oz/a			POSTFLOOD	69 def	70 b-e	98 def
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
5	Provisia										
	Rogue Plus	76.5 %		347 g ai/a	16 oz/a			POSTFLOOD	70 def	69 b-g	96 ef
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
6	Provisia										
	Permit	75 %		43 g ai/a	2.02 oz/a			POSTFLOOD	69 def	69 b-f	99 cde
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
7	Cheniere										
	Benzobicyclon	3.33	LB/GA	298 g ai/a	25.2 fl oz/a			POSTFLOOD	61 h	64 fgh	87 gh
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
8	Cheniere										
	Rogue Plus	76.5 %		347 g ai/a	16 oz/a			POSTFLOOD	63 fgh	62 h	83 h
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
9	Cheniere										
	Permit	75 %		43 g ai/a	2.02 oz/a			POSTFLOOD	64 fgh	65 e-h	91 fg
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
10	CL111										
	Benzobicyclon	3.33	LB/GA	298 g ai/a	25.2 fl oz/a			POSTFLOOD	72 cde	73 abc	95 ef
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			
11	CL111										
	Rogue Plus	76.5 %		347 g ai/a	16 oz/a			POSTFLOOD	73 b-e	75 ab	99 cde
	COC	100 %		19.2 fl oz/a	1 % v/v			POSTFLOOD			

12 CL111						71 de	73 abc	100 cde	100 c-f	99 cde	102 c-f
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
13 CL252						78 abc	78 a	97 def	98 def	100 b-e	100 c-f
Benzobicyclo n	3.33 ^{LB/GA} L		298 g ai/a	25.2 fl oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
14 CL252						72 cde	73 abc	101 b-e	100 c-f	98 c-f	100 c-f
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
15 CL252						73 b-e	74 abc	97 def	101 b-f	99 cde	99 def
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
16 CLXL745						75 a-d	73 abc	105 abc	110 a	109 ab	115 a
Benzobicyclo n	3.33 ^{LB/GA} L		298 g ai/a	25.2 fl oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
17 CLXL745						74 a-d	73 abc	105 abc	108 ab	95 efg	103 b-e
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
18 CLXL745						72 cde	74 abc	108 a	108 ab	110 a	109 ab
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD						
COC	100 %		19.2 ^{fl} oz/a	1 % v/v	POSTFLOOD						
19 Diamond						68 d-g	69 b-g	101 b-e	102 b-f	99 cde	102 c-f
Nontreated											
20 Provisia						79 ab	78 a	105 abc	105 abc	101 b-e	104 b-e
Nontreated											
21 Cheniere						62 gh	63 gh	88 gh	84 h	90 gh	87 hi
Nontreated											
22 CL111						72 cde	73 abc	107 ab	103 a-d	105 a-d	106 bcd
Nontreated											
23 CL252						81 a	78 a	104 a-d	100 c-f	102 a-e	104 b-e
Nontreated											
24 CLXL745						74 a-d	74 abc	109 a	106 abc	107 abc	106 bc
Nontreated											
LSD P=.05						6.5	6.2	7.1	6.9	8.7	6.5
Standard Deviation						4.6	4.4	5.0	4.9	6.2	4.6
CV						6.57	6.16	5.09	4.93	6.26	4.64
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						6.129	7.631	2.659	3.080	1.273	3.727
Replicate Prob(F)						0.0009	0.0002	0.0550	0.0330	0.2907	0.0152
Treatment F						4.691	4.167	7.319	7.380	3.766	9.562
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Rice Cultivar Tolerance to Post-Flood Application of Benzobicyclon in Water-Seeded Rice					
Trial ID:	C18-40	Location:	RRS- Crowley, LA	Trial Year:	2018
Protocol ID:	C18-40	Investigator:	Eric P. Webster		
Project ID:		Study Director:			
		Sponsor Contact:			

Pest Code							RICE	RICE	RICE	RICE	RICE	
Rating Date							Jul/24/18	Jul/25/18	Jul/25/18	Jul/25/18	Jul/25/18	
Rating Type							AVG HEIGHT	MOISTURE	WEIGHT	YIELD	YIELD	
Rating Unit							cm	%	g/plot	LB/A	KG/HA	
Trt-Eval Interval							99 DAT	99 DAT	99 DAT	99 DAT	99 DAT	
Number of Decimals							0		0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Stage	19*	20*	21*	22*	23*
1	Diamond Benzobicyclo n	3.33	LB/GA L	298	g ai/a	25.2 fl oz/a	POSTFLOOD	97 g	21.58 abc	3911 d-g	7867 f-i	8818 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
2	Diamond Rogue Plus	76.5	%	347	g ai/a	16 oz/a	POSTFLOOD	102 c-g	21.18 a-d	3694 e-h	7478 f-i	8382 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
3	Diamond Permit	75	%	43	g ai/a	2.02 oz/a	POSTFLOOD	97 fg	20.60 a-e	3891 d-g	7936 fgh	8895 fgh
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
4	Provisia Benzobicyclo n	3.33	LB/GA L	298	g ai/a	25.2 fl oz/a	POSTFLOOD	100 d-g	21.25 a-d	4238 b-e	8568 c-g	9603 c-g
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
5	Provisia Rogue Plus	76.5	%	347	g ai/a	16 oz/a	POSTFLOOD	97 g	20.95 a-d	3705 e-h	7516 f-i	8425 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
6	Provisia Permit	75	%	43	g ai/a	2.02 oz/a	POSTFLOOD	99 d-g	20.38 b-f	4170 cde	8526 d-g	9556 d-g
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
7	Cheniere Benzobicyclo n	3.33	LB/GA L	298	g ai/a	25.2 fl oz/a	POSTFLOOD	89 h	20.20 c-g	3717 e-h	7614 f-i	8534 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
8	Cheniere Rogue Plus	76.5	%	347	g ai/a	16 oz/a	POSTFLOOD	84 h	18.43 h	3070 ghi	6421 hij	7197 hij
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
9	Cheniere Permit	75	%	43	g ai/a	2.02 oz/a	POSTFLOOD	89 h	20.38 b-f	3802 d-h	7768 f-i	8707 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
10	CL111 Benzobicyclo n	3.33	LB/GA L	298	g ai/a	25.2 fl oz/a	POSTFLOOD	98 fg	19.85 d-h	2939 hi	6058 ij	6790 ij
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					
11	CL111 Rogue Plus	76.5	%	347	g ai/a	16 oz/a	POSTFLOOD	99 efg	19.13 e-h	3652 e-h	7577 f-i	8493 f-i
	COC	100	%	19.2	fl oz/a	1 % v/v	POSTFLOOD					

12 CL111						100 d-g	18.44 gh	2480 i	5185 j	5811 j
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
13 CL252						99 efg	21.78 ab	5093 ab	10234 a-d	11471 a-d
Benzobicyclo n	3.33 LB/GA L		298 g ai/a	25.2 fl oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
14 CL252						100 d-g	20.88 a-d	4230 b-e	8591 c-f	9629 c-f
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
15 CL252						99 efg	21.90 a	4475 a-e	8975 b-f	10059 b-f
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
16 CLXL745						109 a	18.75 gh	4963 abc	10354 abc	11605 abc
Benzobicyclo n	3.33 LB/GA L		298 g ai/a	25.2 fl oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
17 CLXL745						103 c-f	18.38 h	5112 ab	10716 ab	12010 ab
Rogue Plus	76.5 %		347 g ai/a	16 oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
18 CLXL745						109 ab	19.20 e-h	5282 a	10957 a	12281 a
Permit	75 %		43 g ai/a	2.02 oz/a	POSTFLOOD					
COC	100 %		19.2 fl oz/a	1 % v/v	POSTFLOOD					
19 Diamond Nontreated						101 d-g	21.45 abc	3963 d-g	7981 e-h	8946 e-h
20 Provisia Nontreated						104 b-e	20.93 a-d	3832 d-h	7778 f-i	8718 f-i
21 Cheniere Nontreated						87 h	19.15 e-h	3757 e-h	7798 f-i	8740 f-i
22 CL111 Nontreated						105 a-d	19.05 fgh	3246 f-i	6751 g-j	7567 g-j
23 CL252 Nontreated						102 c-g	20.55 a-e	4108 c-f	8380 efg	9392 efg
24 CLXL745 Nontreated						107 abc	19.05 fgh	4696 a-d	9762 a-e	10942 a-e
LSD P=.05						5.8	1.494	896.3	1825.3	2045.9
Standard Deviation						4.1	1.058	635.1	1293.3	1449.6
CV						4.17	5.24	15.75	15.65	15.65
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						3.105	1.847	2.380	2.466	2.466
Replicate Prob(F)						0.0321	0.1471	0.0773	0.0698	0.0698
Treatment F						9.598	4.515	4.349	4.465	4.465
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

**Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded
Provisia Rice**

Experiment number..... : **C18-43**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date..... : 04/05/18
Harvest date..... : 08/02/18
Standard Uniform Treatment ... : Provisia @ 15.5 oz/A on 05/16/18

Application type..... : PRE
Date applied [mm/dd/yy] : 03/26/18
Time [hh:mm-hh:mm] : 1:10-1:25p
Air/Soil temperature [F] : 80/72
Relative humidity [%]..... : 70%
Wind [mph, direction] : 7-9, SSE
Weather [sunny, etc] : Pt Cloudy
Soil/Leaf surface moist..... : Dry/Dry
Crop stage..... : 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..... : SYR

Flush Dates : N/A
Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded Provisia Rice

Trial ID: C18-43 Location: RRS- Crowley, LA Trial Year: 2018
Protocol ID: C18-43 Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	CYPES	CYPES	CYPES	
Rating Date								May/2/18	May/15/18	May/28/18	Jun/11/18	May/2/18	May/15/18	May/28/18	
Rating Type								INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	
Rating Unit								%	%	%	%	%	%	%	
Trt-Eval Interval								37 DAT	50 DAT	63 DAT	77 DAT	37 DAT	50 DAT	63 DAT	
Number of Decimals								0	0	0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1	Nontreated								0 c	0 -	0 -	0 -	0 c	0 c	0 c
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	0 -	0 -	0 -	0 c	0 c	0 c
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	0 -	0 -	0 -	74 b	20 b	91 a
	Gambit	79 %		0.049	lb 4 ai/a	1	oz/a	PRE							
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	0 -	0 -	0 -	89 a	83 a	89 a
	Gambit	79 %		0.074	lb ai/a	1.5	oz/a	PRE							
5	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	7 a	0 -	0 -	0 -	92 a	77 a	81 b
	Gambit	79 %		0.099	lb ai/a	2	oz/a	PRE							
6	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	0 -	0 -	0 -	0 c	0 c	0 c
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2	fl oz/a	PRE							
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	0 -	0 -	0 -	91 a	83 a	92 a
	League	75 %		0.3	lb ai/a	6.4	oz/a	PRE							
LSD P=.05								0.8	.	.	.	3.9	6.0	6.8	
Standard Deviation								0.6	0.0	0.0	0.0	2.7	4.0	4.6	
CV								12.31	0.0	0.0	0.0	5.39	10.8	9.13	
Replicate F								1.000	0.000	0.000	0.000	0.996	2.735	1.515	
Replicate Prob(F)								0.4155	1.0000	1.0000	1.0000	0.4172	0.0739	0.2445	
Treatment F								60.111	0.000	0.000	0.000	1226.068	413.682	422.466	
Treatment Prob(F)								0.0001	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	

LSU AgCenter SPEATS

Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded Provisia Rice

Trial ID: C18-43 Location: RRS- Crowley, LA Trial Year: 2018

Protocol ID: C18-43 Investigator: Eric P. Webster

Pest Code								CYPES	CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	
Rating Date								Jun/11/18	May/2/18	May/15/18	May/28/18	Jun/11/18	May/2/18	
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit								%	%	%	%	%	%	
Trt-Eval Interval								77 DAT	37 DAT	50 DAT	63 DAT	77 DAT	37 DAT	
Number of Decimals								0	0	0	0	0	0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	8*	9*	10*	11*	12*	13*
1	Nontreat								0 e	0 e	0 d	0	0 b	0 e
d														
2	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	0 e	10 d	0 d	0	0 b	11 d
			L		ai/a									
3	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	60 c	69 c	81 c	98 c	97 a	61 c
			L		ai/a									
	Gambit	79	%	0.049	lb	1	oz/a	PRE						
					ai/a									
4	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	75 b	76 bc	91 b	98 a	99 a	76 b
			L		ai/a									
	Gambit	79	%	0.074	lb	1.5	oz/a	PRE						
					ai/a									
5	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	90 a	90 a	95 ab	98	97 a	88 a
			L		ai/a									
	Gambit	79	%	0.099	lb	2	oz/a	PRE						
					ai/a									
6	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	14 d	81 b	92 ab	98 b	94 a	84 a
			L		ai/a									
	Sharpen	2.85	LB/GA	0.044	lb	2	fl oz/a	PRE						
			L		ai/a									
7	Command	3	LB/GA	0.3	lb	12.8 fl	oz/a	PRE	70 b	92 a	96 a	98	99 a	89 a
			L		ai/a									
	League	75	%	0.3	lb	6.4	oz/a	PRE						
					ai/a									
LSD P=.05								6.0	8.2	4.4	.	5.4	6.6	
Standard Deviation								4.0	5.5	3.0	0.0	3.6	4.5	
CV								9.15	9.23	4.59	0.0	5.22	7.62	
Replicate F								1.633	0.177	0.186	0.000	3.323	0.895	
Replicate Prob(F)								0.2169	0.9106	0.9046	1.0000	0.0432	0.4628	
Treatment F								359.338	193.234	894.497	0.000	684.870	282.692	
Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	0.0001	0.0001	

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded Provisia Rice

Trial ID: C18-43 Location: RRS- Crowley, LA Trial Year: 2018

Protocol ID: C18-43 Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	ALRPH	ALRPH	ALRPH
Rating Date								May/15/18	May/28/18	Jun/11/18	May/2/18	May/15/18	May/28/18
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								50 DAT	63 DAT	77 DAT	37 DAT	50 DAT	63 DAT
Number of Decimals								0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage					
1	Nontreat								14*	15*	16*	17*	18*
d													19*
2	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		0 d	0 b	0 b	0 c	0 e
			L		ai/a								0 d
3	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		75 c	95 a	90 a	48 b	26 d
			L		ai/a								70 c
	Gambit	79 %		0.049	lb	1 oz/a	PRE						
					ai/a								
4	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		78 bc	94 a	91 a	65 a	53 bc
			L		ai/a								86 b
	Gambit	79 %		0.074	lb	1.5 oz/a	PRE						
					ai/a								
5	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		89 a	96 a	94 a	71 a	70 a
			L		ai/a								92 a
	Gambit	79 %		0.099	lb	2 oz/a	PRE						
					ai/a								
6	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		82 b	96 a	93 a	70 a	56 b
			L		ai/a								71 c
	Sharpen	2.85	LB/GA	0.044	lb	2 fl oz/a	PRE						
			L		ai/a								
7	Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE		91 a	98 a	94 a	75 a	46 c
			L		ai/a								84 b
	League	75 %		0.3	lb	6.4 oz/a	PRE						
					ai/a								
LSD P=.05									6.4	6.2	8.0	10.6	6.6
Standard Deviation									4.3	4.2	5.4	7.1	4.4
CV									7.33	6.15	8.11	15.22	12.29
													3.73
Replicate F									4.263	2.782	3.410	0.483	0.536
Replicate Prob(F)									0.0193	0.0707	0.0400	0.6979	0.6637
Treatment F									354.174	493.294	284.061	86.685	158.755
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded Provisia Rice

Trial ID: C18-43 Location: RRS- Crowley, LA Trial Year: 2018

Protocol ID: C18-43 Investigator: Eric P. Webster

Pest Code								ALRPH	CYPIR	CYPIR	CYPIR	CYPIR	RICE	RICE
Rating Date								Jun/11/18	May/2/18	May/15/18	May/28/18	Jun/11/18	Jul/25/18	Jul/25/18
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	HEIGHT	HEIGHT
Rating Unit								%	%	%	%	%	cm	cm
Trt-Eval Interval								77 DAT	37 DAT	50 DAT	63 DAT	77 DAT	121 DAT	121 DAT
Number of Decimals								0	0	0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage						
1	Nontreat													
d														
2	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE	20*	21*	22*	23*	24*	25*
		L			ai/a									26*
3	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE						
		L			ai/a									
	Gambit	79 %		0.049	lb	1	oz/a	PRE						
					ai/a									
4	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE						
		L			ai/a									
	Gambit	79 %		0.074	lb	1.5	oz/a	PRE						
					ai/a									
5	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE						
		L			ai/a									
	Gambit	79 %		0.099	lb	2	oz/a	PRE						
					ai/a									
6	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE						
		L			ai/a									
	Sharpen	2.85	LB/GA	0.044	lb	2	fl oz/a	PRE						
		L			ai/a									
7	Command	3	LB/GA	0.3	lb	12.8	fl oz/a	PRE						
		L			ai/a									
	League	75 %		0.3	lb	6.4	oz/a	PRE						
					ai/a									
LSD P=.05								5.3	5.6	5.7	7.4	4.5	6.6	6.7
Standard Deviation								3.5	3.8	3.8	5.0	3.0	4.5	4.5
CV								5.9	7.65	8.04	9.84	6.73	4.48	4.48
Replicate F								4.185	0.652	0.574	1.177	2.372	2.989	3.120
Replicate Prob(F)								0.0206	0.5918	0.6395	0.3462	0.1043	0.0584	0.0518
Treatment F								553.204	586.746	541.130	363.034	797.684	1.178	1.311
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.3611	0.3025

LSU AgCenter SPESS

Evaluation of Gambit in Pre-Emergence Application to Drill-Seeded Provisia Rice														
Trial ID: C18-43		Location: RRS- Crowley, LA		Trial Year: 2018										
Protocol ID: C18-43		Investigator: Eric P. Webster												
Pest Code							RICE	RICE	RICE	RICE	RICE	RICE		
Rating Date							Jul/25/18	Jul/25/18	Jul/25/18	Aug/2/18	Aug/2/18	Aug/2/18		
Rating Type							HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT	YIELD	YIELD		
Rating Unit							cm	cm	cm	g	kg/ha	LB/A		
Trt-Eval Interval							121 DAT	121 DAT	121 DAT	129 DAT	129 DAT	129 DAT		
Number of Decimals							0	0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	27*	28*	29*	30*	31*	32*
1	Nontreated								94 -	95 c	96 c	1519 -	5231 -	4667 -
2	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		103 -	102 ab	102 a	1499 -	5164 -	4607 -
3	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		99 -	99 bc	101 a	1636 -	5635 -	5027 -
	Gambit	79 %		0.049	lb 4 ai/a	1 oz/a	PRE							
4	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		102 -	101 ab	101 a	1538 -	5298 -	4727 -
	Gambit	79 %		0.074	lb ai/a	1.5 oz/a	PRE							
5	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		101 -	102 ab	100 ab	1675 -	5769 -	5147 -
	Gambit	79 %		0.099	lb ai/a	2 oz/a	PRE							
6	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		98 -	97 c	98 bc	1367 -	4709 -	4201 -
	Sharpen	2.85	LB/GA L	0.044	lb 5 ai/a	2 fl oz/a	PRE							
7	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE		100 -	104 a	101 a	1440 -	4960 -	4425 -
	League	75 %		0.3	lb ai/a	6.4 oz/a	PRE							
LSD P=.05							6.9	4.0	3.3	291.6	1004.6	896.3		
Standard Deviation							4.6	2.7	2.2	196.3	676.3	603.3		
CV							4.68	2.73	2.2	12.88	12.88	12.88		
Replicate F							1.121	5.528	7.276	0.397	0.397	0.397		
Replicate Prob(F)							0.3669	0.0072	0.0021	0.7569	0.7569	0.7569		
Treatment F							1.523	5.019	4.147	1.173	1.173	1.173		
Treatment Prob(F)							0.2270	0.0035	0.0086	0.3634	0.3634	0.3634		

LSU AgCenter

School of Plant, Environmental and Soil Sciences

League Programs in Rice

Experiment number.....	C18-45				
Location.....	RRS-Crowley, LA				
Experimental design.....	RCB				
Number of reps	4				
Plot size.....	5'x17'				
Row width/# per plot.....	7.5"/8				
Soil type.....	Crowley silt loam (3% sand, 69% silt, 28% clay)				
% OM	1.4				
pH.....	6.4				
CEC.....	19.1				
Crop/Variety	PVL01				
Planting date	03/22/18				
Emergence date	04/05/18				
Harvest date	07/30/18				
Application type	PRE	DPRE	EPOST	MPOST	LPOST
Date applied [mm/dd/yy]	03/26/18	04/03/18	04/12/18	04/17/18	4/26/18
Time [hh:mm-hh:mm]	11:40-11:50a	8:55-09:00a	10:25-10:50a	10:55-11:00a	11:30-11:40a
Air/Soil temperature [F]	78/71	78/78	68/61	74/64	78/72
Relative humidity [%].....	69%	95%	89%	56%	59%
Wind [mph, direction]	7-9, S	4-8, SSE	6-8, SSE	5-7, S	8-10 NNW
Weather [sunny, etc]	Pt Cloudy	Pt Cloudy	Pt Cloudy	Sunny	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry	Dry/Dry	Mud/Dry	dry/dry
Crop stage/Height	N/A	N/A	1-2 Leaf	2-3 Leaf	3-4lf
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015	FF/110015	FF/110015
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.....	MJO	MJO	EPW	EPW	EPW
Weed Species (population)	----- (height/#leaves)-----				
ECHCG (20-50 m ⁻²).....	½-1"/1lf	4-6"/2-3lf	5-7"/3-4lf	8-10"/5-6lf	
SEBEX (1-5 m ⁻²).....	½-1"/cot	1-2"/cot	2-3"/2-3lf	7-9"/5-6lf	
CYPES (20-30 m ⁻²)	½-1"/1lf	4-8"/3-6lf	5-7"/3-4lf	5-6"/2-4lf	
Flush Dates	N/A				
Permanent Flood.....	5/4/18				

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League Programs in Rice

Trial ID: C18-45 Location: RRS- Crowley, LA Trial Year: 2018
Protocol ID: C18-45 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE May/15/18 INJURY % 19 DAT 0	RICE May/28/18 INJURY % 32 DAT 0	RICE Jun/11/18 INJURY % 46 DAT 0	RICE Jun/26/18 INJURY % 61 DAT 0	ECHCG May/15/18 CONTROL % 19 DAT 0	ECHCG May/28/18 CONTROL % 32 DAT 0	ECHCG Jun/11/18 CONTROL % 46 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1								0 -	0 -	0 -	0 -	0 b	0 b	0 b	
2	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a		PRE	0 -	0 -	0 -	0 -	85 a	85 a	78 a
	RiceBeaux	6	LB/GA L	4.5	lb ai/a	3 qt/a		MPOST							
	Permit	75	%	0.04	lb ai/a	1 oz/a		MPOST							
3	League	75	%	0.3	lb ai/a	6.4 oz/a		PRE	0 -	0 -	0 -	0 -	83 a	86 a	81 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a		PRE							
	Regiment	80	%	0.02	lb ai/a	0.4 oz/a		LPOST							
	Dyne-A-Pak	100	%	1	% v/v	19.2 fl oz/a		LPOST							
4	League	75	%	0.3	lb ai/a	6.4 oz/a		PRE	0 -	0 -	0 -	0 -	84 a	92 a	80 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a		PRE							
	Stam	4	LB/GA L	4	lb ai/a	4 qt/a		EPOST							
	Regiment	80	%	0.02	lb ai/a	0.4 oz/a		LPOST							
	Dyne-A-Pak	100	%	1	% v/v	19.2 fl oz/a		LPOST							
5	League	75	%	0.3	lb ai/a	6.4 oz/a		PRE	0 -	0 -	0 -	0 -	83 a	87 a	80 a
	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE							
	Regiment	80	%	0.02	lb ai/a	0.4 oz/a		LPOST							
	Dyne-A-Pak	100	%	1	% v/v	19.2 fl oz/a		LPOST							
6	League	75	%	0.3	lb ai/a	6.4 oz/a		PRE	0 -	0 -	0 -	0 -	87 a	94 a	79 a
	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE							
	Stam	4	LB/GA L	4	lb ai/a	4 qt/a		EPOST							
	Regiment	80	%	0.02	lb ai/a	0.4 oz/a		LPOST							
	Dyne-A-Pak	100	%	1	% v/v	19.2 fl oz/a		LPOST							
LSD P=.05								.	.	.	.	4.3	10.4	6.5	
Standard Deviation								0.0	0.0	0.0	0.0	2.9	6.9	4.3	
CV								0.0	0.0	0.0	0.0	4.08	9.38	6.46	
Replicate F								0.000	0.000	0.000	0.000	1.936	2.453	0.682	
Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000	0.1672	0.1033	0.5768	
Treatment F								0.000	0.000	0.000	0.000	577.062	110.250	230.182	
Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

League Programs in Rice

Trial ID: C18-45 Location: RRS- Crowley, LA Trial Year: 2018
Protocol ID: C18-45 Investigator: Eric P. Webster

Pest Code							ECHCG	SEBEX	SEBEX	SEBEX	SEBEX	CYPES		
Rating Date							Jun/26/18	May/15/18	May/28/18	Jun/11/18	Jun/26/18	May/15/18		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%		
Trt-Eval Interval							61 DAT	19 DAT	32 DAT	46 DAT	61 DAT	19 DAT		
Number of Decimals							0	0	0	0	0	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	8*	9*	10*	11*	12*	13*
1								0 b	0 b	0 c	0 b	0 c	0 d	
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	75 a	98 a	97 ab	98 a	98 ab	95 a
	RiceBeaux	6	LB/GA L	4.5	lb ai/a	3	qt/a	MPOST						
	Permit	75	%	0.04	lb ai/a	1	oz/a	MPOST						
3	League	75	%	0.3	lb ai/a	6.4	oz/a	PRE	75 a	97 a	96 b	97 a	97 b	74 c
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE						
	Regiment	80	%	0.02	lb ai/a	0.4	oz/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	19.2	fl oz/a	LPOST						
4	League	75	%	0.3	lb ai/a	6.4	oz/a	PRE	76 a	98 a	98 a	98 a	99 a	79 bc
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE						
	Stam	4	LB/GA L	4	lb ai/a	4	qt/a	EPOST						
	Regiment	80	%	0.02	lb ai/a	0.4	oz/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	19.2	fl oz/a	LPOST						
5	League	75	%	0.3	lb ai/a	6.4	oz/a	PRE	71 a	98 a	97 ab	98 a	97 ab	83 b
	Bolero	8	LB/GA L	3	lb ai/a	3	pt/a	DPRE						
	Regiment	80	%	0.02	lb ai/a	0.4	oz/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	19.2	fl oz/a	LPOST						
6	League	75	%	0.3	lb ai/a	6.4	oz/a	PRE	70 a	98 a	97 ab	98 a	99 a	78 bc
	Bolero	8	LB/GA L	3	lb ai/a	3	pt/a	DPRE						
	Stam	4	LB/GA L	4	lb ai/a	4	qt/a	EPOST						
	Regiment	80	%	0.02	lb ai/a	0.4	oz/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	19.2	fl oz/a	LPOST						
LSD P=.05								9.8	1.8	1.1	1.8	1.6	7.2	
Standard Deviation								6.5	1.2	0.7	1.2	1.1	4.8	
CV								10.61	1.48	0.91	1.48	1.29	7.03	
Replicate F								1.217	1.346	2.538	1.346	1.750	2.751	
Replicate Prob(F)								0.3377	0.2970	0.0957	0.2970	0.1998	0.0792	
Treatment F								85.855	4406.170	11570.109	4406.170	5728.921	203.882	
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

League Programs in Rice

Trial ID: C18-45 Location: RRS- Crowley, LA Trial Year: 2018
Protocol ID: C18-45 Investigator: Eric P. Webster

Pest Code							CYPES May/28/18 CONTROL %	CYPES Jun/11/18 CONTROL %	CYPES Jun/26/18 CONTROL %	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm
Rating Date							32 DAT 0	46 DAT 0	61 DAT 0	90 DAT 0	90 DAT 0	90 DAT 0	90 DAT 0
Rating Type													
Rating Unit													
Trt-Eval Interval													
Number of Decimals													
Trt Treatment Form Form Rate Other Other Growth													
No. Name Conc Unit Rate Unit Rate Rate Unit Stage							14*	15*	16*	17*	18*	19*	20*
1							0 d	0 c	0 c	71 b	79 b	74 c	79 b
2 Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE	90 a	97 a	97 a	104 a	104 a	102 b	102 a
RiceBeaux	6	LB/GA	4.5	lb	3 qt/a	MPOST							
Permit	75 %		0.04	lb	1 oz/a	MPOST							
			7	ai/a									
3 League	75 %		0.3	lb	6.4 oz/a	PRE	76 bc	93 ab	73 b	102 a	104 a	102 b	101 a
Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE							
Regiment	80 %		0.02	lb	0.4 oz/a	LPOST							
Dyne-A-Pak	100 %		1 %	v/v	19.2 fl oz/a	LPOST							
4 League	75 %		0.3	lb	6.4 oz/a	PRE	75 c	94 ab	95 a	102 a	102 a	108 a	106 a
Command	3	LB/GA	0.3	lb	12.8 fl oz/a	PRE							
Stam	4	LB/GA	4	lb	4 qt/a	EPOST							
Regiment	80 %		0.02	lb	0.4 oz/a	LPOST							
Dyne-A-Pak	100 %		1 %	v/v	19.2 fl oz/a	LPOST							
5 League	75 %		0.3	lb	6.4 oz/a	PRE	81 b	92 b	97 a	106 a	106 a	107 a	107 a
Bolero	8	LB/GA	3	lb	3 pt/a	DPRE							
Regiment	80 %		0.02	lb	0.4 oz/a	LPOST							
Dyne-A-Pak	100 %		1 %	v/v	19.2 fl oz/a	LPOST							
6 League	75 %		0.3	lb	6.4 oz/a	PRE	74 c	92 ab	97 a	103 a	102 a	105 ab	102 a
Bolero	8	LB/GA	3	lb	3 pt/a	DPRE							
Stam	4	LB/GA	4	lb	4 qt/a	EPOST							
Regiment	80 %		0.02	lb	0.4 oz/a	LPOST							
Dyne-A-Pak	100 %		1 %	v/v	19.2 fl oz/a	LPOST							
LSD P=.05							6.2	4.8	6.9	7.4	6.0	4.1	6.5
Standard Deviation							4.1	3.2	4.6	4.9	4.0	2.7	4.3
CV							6.22	4.12	5.98	5.01	4.01	2.72	4.36
Replicate F							2.037	2.508	0.486	6.658	3.333	2.602	1.298
Replicate Prob(F)							0.1519	0.0984	0.6972	0.0045	0.0481	0.0904	0.3117
Treatment F							256.506	567.045	286.394	29.004	25.893	88.135	22.692
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League Programs in Rice												
Trial ID: C18-45		Location: RRS- Crowley, LA		Trial Year: 2018								
Protocol ID: C18-45		Investigator: Eric P. Webster										
Pest Code							RICE	RICE	RICE	RICE		
Rating Date							Jul/25/18	Jul/30/18	Jul/30/18	Jul/30/18		
Rating Type							AVG HEIGHT	WEIGHT	MOISTURE	YIELD		
Rating Unit							cm	g	%	kg/ha		
Trt-Eval Interval							90 DAT	95 DAT	95 DAT	95 DAT		
Number of Decimals							0	0	1	0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	21*	22*		
									23*	24*	25*	
1							76 b	0 d	16.4 -	0 d	0 d	
2 Command		3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE	103 a	1788 ab	16.4 -	5958 ab	5318 ab
RiceBeaux		6	LB/GA L	4.5	lb ai/a	3 qt/a	MPOST					
Permit		75	%	0.04	lb ai/a	1 oz/a	MPOST					
3 League		75	%	0.3	lb ai/a	6.4 oz/a	PRE	102 a	1570 bc	16.4 -	5231 bc	4669 bc
Command		3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE					
Regiment		80	%	0.02	lb ai/a	0.4 oz/a	LPOST					
Dyne-A-Pak		100	%	1	% v/v	19.2 fl oz/a	LPOST					
4 League		75	%	0.3	lb ai/a	6.4 oz/a	PRE	105 a	1526 bc	16.4 -	5085 bc	4539 bc
Command		3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a	PRE					
Stam		4	LB/GA L	4	lb ai/a	4 qt/a	EPOST					
Regiment		80	%	0.02	lb ai/a	0.4 oz/a	LPOST					
Dyne-A-Pak		100	%	1	% v/v	19.2 fl oz/a	LPOST					
5 League		75	%	0.3	lb ai/a	6.4 oz/a	PRE	106 a	1905 a	16.4 -	6348 a	5666 a
Bolero		8	LB/GA L	3	lb ai/a	3 pt/a	DPRE					
Regiment		80	%	0.02	lb ai/a	0.4 oz/a	LPOST					
Dyne-A-Pak		100	%	1	% v/v	19.2 fl oz/a	LPOST					
6 League		75	%	0.3	lb ai/a	6.4 oz/a	PRE	103 a	1318 c	16.4 -	4391 c	3919 c
Bolero		8	LB/GA L	3	lb ai/a	3 pt/a	DPRE					
Stam		4	LB/GA L	4	lb ai/a	4 qt/a	EPOST					
Regiment		80	%	0.02	lb ai/a	0.4 oz/a	LPOST					
Dyne-A-Pak		100	%	1	% v/v	19.2 fl oz/a	LPOST					
LSD P=.05							4.6	303.0	.	1009.7	901.2	
Standard Deviation							3.1	201.0	0.00	669.9	597.9	
CV							3.11	14.88	0.0	14.88	14.88	
Replicate F							4.600	2.239	0.000	2.239	2.239	
Replicate Prob(F)							0.0179	0.1258	1.0000	0.1258	0.1258	
Treatment F							55.978	47.554	0.000	47.554	47.554	
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

League Programs with Loyant

Experiment number.....	C18-46				
Location.....	RRS-Crowley, LA				
Experimental design.....	RCB				
Number of reps	4				
Plot size.....	5'x17'				
Row width/# per plot.....	7.5"/8				
Soil type.....	Crowley silt loam (3% sand, 69% silt, 28% clay)				
% OM	1.4				
pH.....	6.4				
CEC.....	19.1				
Crop/Variety	PVL01				
Planting date	03/22/18				
Emergence date	04/05/18				
Harvest date	08/02/18				

Application type	PRE	DPRE	EPOST	MPOST	LPOST
Date applied [mm/dd/yy]	03/26/18	04/03/18	04/12/18	04/24/18	05/11/18
Time [hh:mm-hh:mm]	01:10-01:12p	9:45-10:00a	11:00-11:05a	11:25-12:10p	10:30-10:35a
Air/Soil temperature [F]	80/72	72/70	74/64	74/64	75/63
Relative humidity [%].....	69%	96%	54%	55%	63%
Wind [mph, direction]	7-9, SSE	4-8, SSE	5-7, SSE	6-8, WNW	7-10, SSE
Weather [sunny, etc]	pt. cloudy	cloudy	sunny	sunny	pt. cloudy
Soil/Leaf surface moist.....	dry/N/A	dry/dry	mud/dry	mud/dry	dry/dry
Crop stage.....	N/A	1lf	2-3lf	2-3lf	4-5lf
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015	FF/110015	
.....	FF/110015				
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.....	LCW	MJO	EPW	BMM	LCW

Weed Species (population):----- (height/#leaves) -----

ECHCG (100-200 m ⁻²).....	½-1"/1lf	½-1"/1-2lf	½-1"/1-2lf	1-2"/1-2lf
CNPPA (10-20 m ⁻²).....	½-1"/cot	½-1"/cot-1lf	½-1"/cot-1lf	1-3"/cot2lf
SEBEX (5-20 m ⁻²).....		½-1"/cot	½-1"/cot-1lf	1-3"/cot1lf

Flush Dates	N/A
Permanent Flood.....	05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League Programs with Loyant

Trial ID: C18-46 Location: RRS- Crowley, LA Trial Year: 2018
 Protocol ID: C18-46 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	Trt	Treatment	Form	Form	Rate	Other	Other	Growth	RICE May/15/18 INJURY %	RICE May/28/18 INJURY %	RICE Jun/25/18 INJURY %	ECHCG May/15/18 CONTROL %	ECHCG May/28/18 CONTROL %
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	1*	2*	3*	4*	5*
1	Nontreated													0 b	0 b	0 -	0 h	0 f
2	League	75 %		0.3 lb	ai/a	6.4 oz/a	PRE							5 a	5 a	0 -	81 bc	80 b
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	MPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	MPOST											
3	Bolero	8	LB/GA L	3 lb	ai/a	3 pt/a	DPRE							4 a	5 a	0 -	95 a	96 a
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	MPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	MPOST											
	Regiment	80 %		0.028 lb	5 ai/a	0.57 oz/a	LPOST											
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a	LPOST											
4	Bolero	8	LB/GA L	3 lb	ai/a	3 pt/a	DPRE							5 a	5 a	0 -	50 e	61 c
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	MPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	MPOST											
5	League	75 %		0.3 lb	ai/a	6.4 oz/a	DPRE							5 a	5 a	0 -	69 d	75 b
	Bolero	8	LB/GA L	3 lb	ai/a	3 pt/a	DPRE											
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	MPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	MPOST											
6	Bolero	8	LB/GA L	3 lb	ai/a	3 pt/a	EPOST							4 a	5 a	0 -	38 f	29 d
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	EPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	EPOST											
7	League	75 %		0.188 lb	ai/a	4 oz/a	EPOST							5 a	5 a	0 -	16 g	15 e
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	EPOST											
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	EPOST											
8	Command	3	LB/GA L	0.3 lb	ai/a	12.8 fl oz/a	PRE							4 a	4 a	0 -	73 cd	56 c
	Loyant	0.21	LB/GA L	0.026 lb	3 ai/a	16 fl oz/a	MPOST											
	Regiment	80 %		0.028 lb	5 ai/a	0.57 oz/a	MPOST											
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a	MPOST											

9 Command	3 LB/GA L	0.3 lb ai/a	12.8 fl oz/a	PRE	4 a	4 a	0 -	88 ab	96 a
Loyant	0.21 LB/GA L	0.026 lb 3 ai/a	16 fl oz/a	MPOST					
MSO	100 %	0.5 % v/v	9.6 fl oz/a	MPOST					
Regiment	80 %	0.028 lb 5 ai/a	0.57 oz/a	LPOST					
Dyne-A- Pak	100 %	1 % v/v	19.2 fl oz/a	LPOST					
LSD P=.05					2.5	1.8	.	9.5	10.0
Standard Deviation					1.7	1.2	0.0	6.5	6.8
CV					43.74	28.87	0.0	11.48	12.11
Replicate F					0.640	0.640	0.000	0.765	1.436
Replicate Prob(F)					0.5967	0.5967	1.0000	0.5247	0.2570
Treatment F					3.480	7.560	0.000	103.247	103.992
Treatment Prob(F)					0.0084	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

League Programs with Loyant

Trial ID: C18-46 Location: RRS- Crowley, LA Trial Year: 2018
 Protocol ID: C18-46 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								ECHCG Jun/25/18 CONTROL % 45 DA LPOST 0	CNPPA May/15/18 CONTROL % 21 DA MPOST 0	CNPPA May/28/18 CONTROL % 17 DA LPOST 0	CNPPA Jun/25/18 CONTROL % 45 DA LPOST 0	SEBEX May/28/18 CONTROL % 21 DA MPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	6*	7*	8*	9*	10*
1 Nontreated								0 d	0 b	0 e	0 c	0 d	
2	League	75 %		0.3	lb ai/a	6.4 oz/a		PRE	70 b	92 a	93 bc	94 a	95 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
3	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE	91 a	93 a	94 ab	95 a	95 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
	Regiment	80 %		0.028	lb 5 ai/a	0.57 oz/a		LPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		LPOST					
4	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE	61 b	90 a	92 bcd	92 a	93 bc
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
5	League	75 %		0.3	lb ai/a	6.4 oz/a		DPRE	69 b	93 a	93 bc	93 a	97 a
	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
6	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		EPOST	35 c	91 a	90 d	91 a	94 abc
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
7	League	75 %		0.188	lb ai/a	4 oz/a		EPOST	28 c	94 a	91 cd	84 b	92 c
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a		PRE	35 c	91 a	94 ab	91 a	93 bc
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	Regiment	80 %		0.028	lb 5 ai/a	0.57 oz/a		MPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		MPOST					

9 Command	3 LB/GA L	0.3 lb ai/a	12.8 fl oz/a	PRE	88 a	90 a	96 a	94 a	97 a
Loyant	0.21 LB/GA L	0.026 lb 3 ai/a	16 fl oz/a	MPOST					
MSO	100 %	0.5 % v/v	9.6 fl oz/a	MPOST					
Regiment	80 %	0.028 lb 5 ai/a	0.57 oz/a	LPOST					
Dyne-A- Pak	100 %	1 % v/v	19.2 fl oz/a	LPOST					
LSD P=.05					9.6	4.6	2.7	4.8	3.0
Standard Deviation					6.6	3.1	1.8	3.3	2.1
CV					12.49	3.85	2.23	4.03	2.49
Replicate F					1.662	3.201	1.502	3.009	0.517
Replicate Prob(F)					0.2018	0.0413	0.2394	0.0500	0.6747
Treatment F					83.996	379.428	1130.249	351.070	909.887
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League Programs with Loyant

Trial ID: C18-46 Location: RRS- Crowley, LA Trial Year: 2018
 Protocol ID: C18-46 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								SEBEX Jun/25/18 CONTROL %	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	
								45 DA LPOST 0	75 DA LPOST 0	75 DA LPOST 0	75 DA LPOST 0	75 DA LPOST 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1 Nontreated								0 d	67 e	67 c	66 d	70 c	
2	League	75 %		0.3 lb	ai/a	6.4 oz/a		PRE	93 ab	98 abc	100 a	101 ab	102 ab
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
3	Bolero	8 LB/GA	L	3 lb	ai/a	3 pt/a		DPRE	95 a	101 ab	101 a	102 ab	100 ab
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
	Regiment	80 %		0.028 lb	5 ai/a	0.57 oz/a		LPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		LPOST					
4	Bolero	8 LB/GA	L	3 lb	ai/a	3 pt/a		DPRE	90 abc	93 c	96 a	95 b	97 ab
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
5	League	75 %		0.3 lb	ai/a	6.4 oz/a		DPRE	86 c	95 bc	95 a	97 ab	96 ab
	Bolero	8 LB/GA	L	3 lb	ai/a	3 pt/a		DPRE					
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
6	Bolero	8 LB/GA	L	3 lb	ai/a	3 pt/a		EPOST	91 abc	75 d	81 b	81 c	75 c
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
7	League	75 %		0.188 lb	ai/a	4 oz/a		EPOST	88 bc	80 d	82 b	78 c	79 c
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
8	Command	3 LB/GA	L	0.3 lb	ai/a	12.8 fl oz/a		PRE	90 abc	93 c	95 a	96 ab	93 b
	Loyant	0.21 LB/GA	L	0.026 lb	3 ai/a	16 fl oz/a		MPOST					
	Regiment	80 %		0.028 lb	5 ai/a	0.57 oz/a		MPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		MPOST					

9 Command	3 LB/GA L	0.3 lb ai/a	12.8 fl oz/a	PRE	94 a	103 a	102 a	102 a	103 a
Loyant	0.21 LB/GA L	0.026 lb 3 ai/a	16 fl oz/a	MPOST					
MSO	100 %	0.5 % v/v	9.6 fl oz/a	MPOST					
Regiment	80 %	0.028 lb 5 ai/a	0.57 oz/a	LPOST					
Dyne-A- Pak	100 %	1 % v/v	19.2 fl oz/a	LPOST					
LSD P=.05					5.5	7.3	7.6	6.8	9.7
Standard Deviation					3.8	5.0	5.2	4.7	6.6
CV					4.68	5.6	5.71	5.14	7.32
Replicate F					2.326	6.328	3.361	3.622	1.712
Replicate Prob(F)					0.1002	0.0026	0.0353	0.0275	0.1912
Treatment F					259.232	24.608	20.501	29.379	14.238
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League Programs with Loyant				
Trial ID: C18-46	Location: RRS- Crowley, LA	Trial Year: 2018		
Protocol ID: C18-46	Investigator: Eric P. Webster			
Project ID:	Study Director:			
	Sponsor Contact:			

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jul/25/18 AVG HEIGHT cm 75 DA LPOST 0	RICE Aug/2/18 MOISTURE % 83 DA LPOST 1	RICE Aug/2/18 YIELD g 83 DA LPOST 0	RICE Aug/2/18 YIELD lb/a 83 DA LPOST 0	RICE Aug/2/18 YIELD kg/ha 83 DA LPOST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	16*	17*	18*	19*	20*
1 Nontreated								68 e	14.2 -	0 c	0 c	0 c	
2	League	75 %		0.3	lb ai/a	6.4 oz/a		PRE	100 abc	14.2 -	1308 ab	4078 ab	4571 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
3	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE	101 ab	14.2 -	1275 ab	3975 ab	4456 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
	Regiment	80 %		0.028	lb 5 ai/a	0.57 oz/a		LPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		LPOST					
4	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE	95 bc	14.2 -	1154 b	3598 b	4033 b
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
5	League	75 %		0.3	lb ai/a	6.4 oz/a		DPRE	96 bc	14.2 -	1190 b	3711 b	4159 b
	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		DPRE					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		MPOST					
6	Bolero	8	LB/GA L	3	lb ai/a	3 pt/a		EPOST	78 d	14.2 -	0 c	0 c	0 c
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
7	League	75 %		0.188	lb ai/a	4 oz/a		EPOST	80 d	14.2 -	0 c	0 c	0 c
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		EPOST					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a		EPOST					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8 fl oz/a		PRE	94 c	14.2 -	1085 b	3384 b	3792 b
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a		MPOST					
	Regiment	80 %		0.028	lb 5 ai/a	0.57 oz/a		MPOST					
	Dyne-A-Pak	100 %		1 % v/v		19.2 fl oz/a		MPOST					

9 Command	3 LB/GA L	0.3 lb ai/a	12.8 fl oz/a	PRE	102 a	14.2 -	1470 a	4585 a	5139 a
Loyant	0.21 LB/GA L	0.026 lb 3 ai/a	16 fl oz/a	MPOST					
MSO	100 %	0.5 % v/v	9.6 fl oz/a	MPOST					
Regiment	80 %	0.028 lb 5 ai/a	0.57 oz/a	LPOST					
Dyne-A- Pak	100 %	1 % v/v	19.2 fl oz/a	LPOST					
LSD P=.05					6.3	.	226.4	706.0	791.3
Standard Deviation					4.3	0.00	155.1	483.7	542.2
CV					4.79	0.0	18.66	18.66	18.66
Replicate F					4.602	0.000	1.524	1.524	1.524
Replicate Prob(F)					0.0111	1.0000	0.2337	0.2337	0.2337
Treatment F					31.988	0.000	66.538	66.538	66.538
Treatment Prob(F)					0.0001	1.0000	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Loyant Herbicide Product Fit in Command/Obey Program in Rice

Experiment number..... : **C18-47**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date : 04/05/18
 Harvest date : 08/01/18

Application type.....	PRE	EPOST	PREFLOOD
Date applied [mm/dd/yy]	03/26/18	04/12/018	05/01/18
Time [hh:mm-hh:mm]	12:00-12:15a	10:00-10:10a	09:40-09:55a
Air/Soil temperature [F]	78/71	64/61	73/69
Relative humidity [%].....	69%	85%	67%
Wind [mph, direction]	6-9, SSE	6-8, SSE	7-10, SE
Weather [sunny, etc]	Part Cloudy	Sunny	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Dry/Dry	Dry/Dry
Crop stage.....	N/A	1-2 Leaf	4-5 Leaf
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	15/22
Applied by.....	MJO	EPW	LCW

Weed Species (population)	:- (height/#leaves) -		
CYPIR (20-50/m ²).....	N/A	1-3"/1-3lf	1-3"/1-2lf
CYPES (50-100/m ²)	N/A	1-3"/1-3lf	6-10"/4-6lf
ALRPH (1-10/m ²).....	N/A		3-8"/5-20lf
ECHCG (1- 20/m ²).....	N/A		2-4"/2-3lf
BRAPP (1-20/m ²)	N/A		3-5"/2-3lf

Flush Dates..... : N/A
 Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice

Trial ID: C18-47 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-47 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE May/15/18 INJURY %	RICE May/28/18 INJURY %	RICE Jun/8/18 INJURY %	ECHCG May/15/18 CONTROL %	ECHCG May/28/18 CONTROL %
						14 DA PRFLD 0	27 DA PRFLD 0	38 DA PRFLD 0	14 DA PRFLD 0	27 DA PRFLD 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage	
1	Nontreat									
	d									
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	0 -	0 -	0 -	86 b	95 a
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD					
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD					
MSO	100 %		0.5 %	v/v	9.6 fl oz/a	PREFLOOD					
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	0 -	0 -	0 -	71 c	68 c
LSD P=.05							.	.	.	5.9	6.4
Standard Deviation							0.0	0.0	0.0	4.1	4.4
CV							0.0	0.0	0.0	5.16	5.31
Replicate F							0.000	0.000	0.000	0.046	2.898
Replicate Prob(F)							1.0000	1.0000	1.0000	0.9868	0.0513
Treatment F							0.000	0.000	0.000	179.274	175.004
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice

Trial ID: C18-47 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-47 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	ECHCG Jun/8/18 CONTROL %	ECHCG Jun/27/18 CONTROL %	BRAPP May/15/18 CONTROL %	BRAPP May/28/18 CONTROL %	BRAPP Jun/8/18 CONTROL %
						38 DA PRFLD 0	57 DA PRFLD 0	14 DA PRFLD 0	27 DA PRFLD 0	38 DA PRFLD 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	Nontreat									
	d									
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	66 b	68 c
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	98 a	97 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	96 a	97 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	88 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	89 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	96 a	92 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	95 a	90 ab	93 a	97 a	97 a
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD					
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD					
MSO	100 %		0.5 %	v/v	9.6 fl oz/a	PREFLOOD					
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	55 c	76 bc	83 b	76 c	76 c
LSD P=.05							6.8	15.9	5.0	4.9	4.3
Standard Deviation							4.7	11.0	3.5	3.4	3.0
CV							5.85	13.66	4.18	3.95	3.45
Replicate F							0.192	1.540	0.419	1.955	0.104
Replicate Prob(F)							0.9007	0.2244	0.7405	0.1420	0.9571
Treatment F							165.509	26.321	257.422	299.784	396.340
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice

Trial ID: C18-47 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-47 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								BRAPP Jun/27/18 CONTROL % 57 DA PRFLD 0	CYPES May/15/18 CONTROL % 14 DA PRFLD 0	CYPES May/28/18 CONTROL % 27 DA PRFLD 0	CYPES Jun/8/18 CONTROL % 38 DA PRFLD 0	CYPES Jun/27/18 CONTROL & % 57 DA PRFLD 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	11*	12*	13*	14*	15*
1	Nontreated								0 c	0 d	0 c	0 c	0 c
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	38 b	0 d	0 c	0 c	0 c
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	73 ab	98 a	98 a	98 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	66 b	98 a	98 a	98 a
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	96 a	74 ab	97 a	99 a	98 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	98 a	75 ab	97 a	98 a	98 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	78 a	98 a	99 a	98 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	79 a	98 a	98 a	98 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	98 a	74 ab	97 a	99 a	98 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	98 a	75 ab	94 b	98 a	98 a
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD					
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD					
MSO	100 %		0.5 %	v/v	9.6 fl oz/a	PREFLOOD					
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	31 b	18 c	0 c	30 b	15 b
LSD P=.05							9.2	9.7	2.4	8.8	.
Standard Deviation							6.3	6.7	1.6	6.1	0.0
CV							8.22	12.14	2.31	8.2	0.0
Replicate F							0.686	1.773	0.281	0.989	0.000
Replicate Prob(F)							0.5677	0.1736	0.8385	0.4114	1.0000
Treatment F							128.754	92.358	3087.682	190.390	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice

Trial ID: C18-47 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-47 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	CYPIR May/15/18 CONTROL %	CYPIR May/28/18 CONTROL %	CYPIR Jun/8/18 CONTROL %	CYPIR Jun/27/18 CONTROL %	ALRPH May/15/18 CONTROL %
						14 DA PRFLD 0	27 DA PRFLD 0	38 DA PRFLD 0	57 DA PRFLD 0	14 DA PRFLD 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth			
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1	Nontreat									
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE		
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD		
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD		
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD		

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	85 ab	96 d	99 a	98 a	80 a
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD					
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD					
MSO	100 %		0.5 %	v/v	9.6 fl oz/a	PREFLOOD					
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	23 d	0 e	33 b	15 b	68 b
LSD P=.05							6.0	1.1	8.3	.	9.7
Standard Deviation							4.2	0.8	5.7	0.0	6.7
CV							6.63	1.09	7.7	0.0	10.33
Replicate F							1.641	0.304	1.112	0.000	5.609
Replicate Prob(F)							0.2007	0.8224	0.3598	1.0000	0.0036
Treatment F							301.302	13972.627	211.619	0.000	93.514
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice

Trial ID: C18-47 Location: RRS-Crowley, LA Trial Year: 2018
 Protocol ID: C18-47 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Sponsor: Contact:								ALRPH May/28/18 CONTROL %	ALRPH Jun/8/18 CONTROL %	ALRPH Jun/27/18 CONTROL %	RICE Aug/1/18 HEIGHT cm	RICE Aug/1/18 HEIGHT cm	
Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals			27 DA PRFLD 0	38 DA PRFLD 0	57 DA PRFLD 0	At Harvest 0	At Harvest 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	21*	22*	23*	24*	25*
1	Nontreated								0 d	0 c	0 c	58 c	55 b
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	0 d	0 c	0 c	86 b	94 a
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	107 a	108 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	99 a	99 a	98 a	105 ab	106 a
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	98 a	99 a	98 a	103 ab	106 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	99 a	99 a	98 a	110 a	106 a
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST					
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	99 a	99 a	98 a	103 ab	104 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	102 ab	105 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	75 b	99 a	98 a	106 ab	103 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD					
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD					
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD					

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	97 a	98 a	98 a	106 ab	105 a
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD					
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD					
MSO	100	%	0.5	% v/v	9.6 fl oz/a	PREFLOOD					
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	29 c	20 b	15 b	99 ab	97 a
LSD P=.05							19.3	1.1	.	20.1	17.6
Standard Deviation							13.4	0.8	0.0	13.9	12.2
CV							18.62	1.07	0.0	14.12	12.31
Replicate F							1.280	0.135	0.000	1.212	0.458
Replicate Prob(F)							0.2990	0.9383	1.0000	0.3223	0.7136
Treatment F							38.018	12084.274	0.000	4.572	6.129
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0006	0.0001

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice					
Trial ID: C18-47	Location: RRS-Crowley, LA	Trial Year: 2018			
Protocol ID: C18-47	Investigator: Eric P. Webster				
Project ID:	Study Director:				
	Sponsor Contact:				

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Aug/1/18 HEIGHT cm At Harvest 0	RICE Aug/1/18 HEIGHT cm At Harvest 0	RICE Aug/1/18 AVG HEIGHT cm At Harvest 0	RICE Aug/1/18 MOISTURE % At Harvest 1	RICE Aug/1/18 YIELD g/plot At Harvest 0	RICE Aug/1/18 YIELD LB At Harvest 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	26*	27*	28*	29*	30*	31*
1	Nontreated								60 b	55 b	57 b	14.7 -	0 c	0 c
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	93 a	14.7 -	1074 b	3318 b
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	105 a	107 a	107 a	14.7 -	1414 a	4369 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	107 a	104 a	106 a	14.7 -	1350 ab	4171 ab
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST						
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	106 a	102 a	104 a	14.7 -	1477 a	4564 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	108 a	108 a	108 a	14.7 -	1324 ab	4090 ab
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST						
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	105 a	103 a	104 a	14.7 -	1377 ab	4256 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE	105 a	107 a	105 a	14.7 -	1347 ab	4162 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE	105 a	103 a	104 a	14.7 -	1421 a	4390 a
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD						
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD						
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD						

10 Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	106 a	106 a	106 a	14.7 -	1167 ab	3605 ab
Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD						
Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD						
MSO	100	%	0.5	% v/v	9.6 fl oz/a	PREFLOOD						
11 RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	100 a	93 a	97 a	14.7 -	1213 ab	3748 ab
LSD P=.05							18.5	18.3	17.7	.	336.2	1038.8
Standard Deviation							12.8	12.7	12.3	0.00	232.8	719.3
CV							12.76	12.89	12.41	0.0	19.45	19.45
Replicate F							0.925	0.693	0.790	0.000	6.077	6.077
Replicate Prob(F)							0.4409	0.5634	0.5090	1.0000	0.0023	0.0023
Treatment F							4.608	5.750	5.655	0.000	12.688	12.688
Treatment Prob(F)							0.0005	0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Loyant Herbicide Product Fit in a Command/Obey Program in Rice			
Trial ID: C18-47	Location: RRS-Crowley, LA	Trial Year: 2018	
Protocol ID: C18-47	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Aug/1/18 YIELD kg/ha At Harvest 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage
1	Nontreated							32*
2	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE
3	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
4	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE
	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	EPOST
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
5	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
6	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE
	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	EPOST
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
7	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
8	Command	3	LB/GA L	0.3	lb ai/a	12.8	fl oz/a	PRE
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD
9	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7	fl oz/a	PRE
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16	fl oz/a	PREFLOOD
	Aim	2	LB/GA L	0.018	lb 8 ai/a	1.2	fl oz/a	PREFLOOD
	MSO	100	%	0.5	% v/v	9.6	fl oz/a	PREFLOOD

10	Obey	2.5	LB/GA L	0.6	lb ai/a	30.7 fl oz/a	PRE	4041 ab
	Loyant	0.21	LB/GA L	0.026	lb 3 ai/a	16 fl oz/a	PREFLOOD	
	Sharpen	2.85	LB/GA L	0.022	lb 3 ai/a	1 fl oz/a	PREFLOOD	
	MSO	100 %		0.5	% v/v	9.6 fl oz/a	PREFLOOD	
11	RiceBeau x	6	LB/GA L	6	lb ai/a	4 qt/a	EPOST	4201 ab
LSD P=.05								1164.3
Standard Deviation								806.3
CV								19.45
Replicate F								6.077
Replicate Prob(F)								0.0023
Treatment F								12.688
Treatment Prob(F)								0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice

Experiment number..... : **C18-51**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 03/22/18
 Emergence date..... : 04/05/18
 Harvest date..... : 07/25/18

Application type	Overspray	4-6 LEAF	14 DAAA
Date applied [mm/dd/yy]	05/01/18	05/03/18	05/17/18
Time [hh:mm-hh:mm]	08:00-08:15a	08:10-08:30a	08:25-08:35a
Air/Soil temperature [F]	71/70	73/69	78/70
Relative humidity [%].....	80%	94%	75%
Wind [mph, direction]	5-9, ESE	4-7, SE	7-9, W
Weather [sunny, etc]	Sunny	Pt. Cloudy	Sunny
Soil/Leaf surface moist.....	Dry/Dry	Flood/Dry	Flood
Crop stage/Height	N/A	4lf-1tl	3-4 Tiller
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	15/40	15/21	15/21
Applied by.....	MJO	MJO	MJO

Flush Dates..... : N/A
 Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice			
Trial ID:	C18-51	Location:	RRS- Crowley, LA
Trial Year:	2018		
Protocol ID:	C18-51	Investigator:	Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE May/15/18 HEIGHT cm 12 DA 4-6lf 0	RICE May/15/18 HEIGHT cm 12 DA 4-6lf 0	RICE May/15/18 HEIGHT cm 12 DA 4-6lf 0	RICE May/15/18 HEIGHT cm 12 DA 4-6lf 0	RICE May/15/18 AVG HEIGHT cm 12 DA 4-6lf 0	RICE May/28/18 HEIGHT cm 11 DA 14DAA 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*
1	CLXL745								57 bc	59 ab	60 ab	58 bcd	58 abc	74 abc
	Nontreated													
2	CLXL745								54 cd	57 b	56 abc	56 cd	56 bcd	72 cd
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
3	CLXL745								56 bcd	54 bc	55 bcd	54 de	55 cd	74 abc
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA						
4	CLXL745								55 cd	52 cd	53 cde	54 de	53 de	73 bc
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF						
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF						
5	CL111								56 bcd	59 ab	61 ab	61 abc	59 ab	76 abc
	Nontreated													
6	CL111								60 abc	59 ab	60 ab	63 a	61 a	75 abc
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
7	CL111								64 a	64 a	60 abc	60 abc	62 a	79 a
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA						
8	CL111								62 ab	58 b	62 a	62 ab	61 a	77 ab
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF						
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF						
9	Cheniere								50 de	47 de	49 de	48 f	48 fg	63 e
	Nontreated													
10	Cheniere								50 de	50 cde	49 de	50 ef	49 ef	67 de
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
11	Cheniere								46 e	47 de	49 de	50 ef	48 fg	65 e
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF						
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA						
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA						

12 Cheniere						
Facet L	1.5 LB/GA L	0.375 lb ai/a	32 fl oz/a	4-6 LEAF		
COC	100 %	1 % v/v	19.2 fl oz/a	4-6 LEAF		
LSD P=,05						
Standard Deviation						
CV						
Analyzed as						
Replicate F						
Replicate Prob(F)						
Treatment F						
Treatment Prob(F)						

LSU AgCenter SPESS

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice					
Trial ID:	C18-51	Location:	RRS- Crowley, LA	Trial Year:	2018
Protocol ID:	C18-51	Investigator:	Eric P. Webster		

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE May/28/18 HEIGHT cm 11 DA 14DAA 0	RICE May/28/18 HEIGHT cm 11 DA 14DAA 0	RICE May/28/18 HEIGHT cm 11 DA 14DAA 0	RICE May/28/18 AVG HEIGHT cm 11 DA 14DAA 0	RICE May/15/18 INJURY % 12 DA 4-6lf 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	7*	8*	9*	10*	11*
1	CLXL745								74 ab	71 bcd	73 ab	73 b	0 e
	Nontreated												
2	CLXL745								72 bc	76 ab	74 ab	73 ab	5 cd
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
3	CLXL745								75 ab	73 abc	73 b	73 ab	4 cde
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					
4	CLXL745								72 bc	75 ab	74 ab	73 ab	5 cd
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF					
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF					
5	CL111								77 ab	78 a	77 ab	77 ab	0 e
	Nontreated												
6	CL111								78 a	78 a	76 ab	77 ab	8 bc
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
7	CL111								78 a	75 ab	76 ab	77 a	3 de
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					
8	CL111								76 ab	74 ab	78 a	76 ab	8 bc
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF					
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF					
9	Cheniere								64 d	66 de	66 c	65 c	0 e
	Nontreated												
10	Cheniere								68 cd	67 de	67 c	67 c	11 ab
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
11	Cheniere								67 cd	69 cde	65 c	66 c	13 a
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					

12 Cheniere					64 d	65 e	67 c	65 c	13 a
Facet L	1.5 LB/GA L	0.375 lb ai/a	32 fl oz/a	4-6 LEAF					
COC	100 %	1 % v/v	19.2 fl oz/a	4-6 LEAF					
LSD P=.05					5.5	5.6	4.8	3.8	4.7
Standard Deviation					3.9	3.9	3.3	2.6	3.3
CV					5.35	5.37	4.62	3.63	58.41
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					1.913	2.466	6.076	5.759	3.281
Replicate Prob(F)					0.1466	0.0795	0.0021	0.0028	0.0330
Treatment F					7.210	5.601	7.318	13.191	8.158
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice

Trial ID: C18-51 Location: RRS- Crowley, LA Trial Year: 2018
Protocol ID: C18-51 Investigator: Eric P. Webster

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	Trt	Treatment	Form	Form	Rate	Other	Other	Growth	RICE May/28/18 INJURY %	RICE Jun/8/18 INJURY %	RICE Jun/27/18 INJURY %	RICE Jul/24/18 HIEGHT cm	RICE Jul/24/18 HEIGHT cm
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	12*	13*	14*	15*	16*
1	CLXL745													0 -	0 -	0 -	109 ab	111 a
	Nontreated																	
2	CLXL745													2 -	0 -	0 -	108 ab	109 abc
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
3	CLXL745													3 -	0 -	0 -	111 a	114 a
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA										
4	CLXL745													1 -	0 -	0 -	112 a	110 ab
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF										
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF										
5	CL111													0 -	0 -	0 -	104 b	105 bcd
	Nontreated																	
6	CL111													1 -	0 -	0 -	98 cd	101 d
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
7	CL111													0 -	0 -	0 -	104 bc	104 cd
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA										
8	CL111													0 -	0 -	0 -	104 b	104 cd
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF										
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF										
9	Cheniere													0 -	0 -	0 -	93 de	93 e
	Nontreated																	
10	Cheniere													0 -	0 -	0 -	93 de	93 e
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
11	Cheniere													2 -	0 -	0 -	94 de	94 e
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF										
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA										
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA										

12 Cheniere					1 -	0 -	0 -	92 e	94 e
Facet L	1.5 LB/GA L	0.375 lb ai/a	32 fl oz/a	4-6 LEAF					
COC	100 %	1 % v/v	19.2 fl oz/a	4-6 LEAF					
LSD P=.05					2.5 - 3.0	.	.	5.5	5.3
Standard Deviation					0.3t	0.0	0.0	3.8	3.7
CV					187.75t	0.0	0.0	3.74	3.57
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.177	0.000	0.000	0.781	0.524
Replicate Prob(F)					0.9109	1.0000	1.0000	0.5130	0.6687
Treatment F					1.751	0.000	0.000	15.107	16.914
Treatment Prob(F)					0.1049	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice				
Trial ID:	C18-51	Location:	RRS- Crowley, LA	Trial Year: 2018
Protocol ID:	C18-51	Investigator:	Eric P. Webster	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jul/24/18 HEIGHT cm 68 DA 14DAA 0	RICE Jul/24/18 HEIGHT cm 68 DA 14DAA 0	RICE Jul/24/18 AVG HEIGHT cm 68 DA 14DAA 0	RICE Jul/25/18 WEIGHT g 69 DA 14DAA 0	RICE Jul/25/18 MOISTURE % 69 DA 14DAA 1	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	17*	18*	19*	20*	21*
1	CLXL745								112 ab	115 a	112 a	3173 ab	18.2 -
	Nontreate d												
2	CLXL745								107 cd	109 b	108 b	3016 bc	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
3	CLXL745								115 a	111 ab	113 a	2804 bcd	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					
4	CLXL745								111 bc	113 ab	112 ab	3457 a	18.2 -
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF					
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF					
5	CL111								104 de	105 c	104 c	2114 g	18.2 -
	Nontreate d												
6	CL111								102 e	104 c	101 c	2391 efg	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
7	CL111								107 cd	102 c	104 c	2098 g	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					
8	CL111								104 de	104 c	104 c	2189 fg	18.2 -
	Facet L	1.5	LB/GA L	0.375 lb ai/a		32 fl oz/a		4-6 LEAF					
	COC	100	%	1 % v/v		19.2 fl oz/a		4-6 LEAF					
9	Cheniere								95 f	92 d	93 d	2584 def	18.2 -
	Nontreate d												
10	Cheniere								90 g	94 d	92 d	2586 def	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
11	Cheniere								97 f	96 d	95 d	2543 def	18.2 -
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		4-6 LEAF					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		4-6 LEAF					
	Loyant	0.21	LB/GA L	0.026 lb 3 ai/a		16 fl oz/a		14DAAA					
	MSO	100	%	0.5 % v/v		9.6 fl oz/a		14DAAA					

12 Cheniere					95 f	95 d	94 d	2638 cde	18.2 -
Facet L	1.5 LB/GA L	0.375 lb ai/a	32 fl oz/a	4-6 LEAF					
COC	100 %	1 % v/v	19.2 fl oz/a	4-6 LEAF					
LSD P=.05					4.2	4.2	3.3	404.3	.
Standard Deviation					2.9	2.9	2.3	281.0	0.00
CV					2.8	2.85	2.21	10.67	0.0
Analyzed as					RCB	RCB	RCB	RCB	RCB
Replicate F					0.714	0.790	0.717	0.042	0.000
Replicate Prob(F)					0.5505	0.5083	0.5488	0.9883	1.0000
Treatment F					28.946	28.193	43.792	9.076	0.000
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Rice Varietal Tolerance to Loyant Herbicide (Single and Sequential) Applied at Different Growth Stages in Water-Seeded Rice					
Trial ID:	C18-51	Location:	RRS- Crowley, LA	Trial Year:	2018
Protocol ID:	C18-51	Investigator:	Eric P. Webster		

Pest Code								RICE	RICE
Rating Date								Jul/25/18	Jul/25/18
Rating Type								YIELD	YIELD
Rating Unit								kg/ha	LB
Trt-Eval Interval								69 DA 14DAA	69 DA 14DAA
Number of Decimals								0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	
1	CLXL745							22*	23*
	Nontreated							10583 ab	9442 ab
2	CLXL745							10060 bc	8975 bc
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
3	CLXL745							9350 bcd	8342 bcd
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	14DAAA		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	14DAAA		
4	CLXL745							11530 a	10287 a
	Facet L	1.5	LB/GA	0.375 lb		32 fl oz/a	4-6 LEAF		
			L	ai/a					
	COC	100 %		1 % v/v		19.2 fl oz/a	4-6 LEAF		
5	CL111							7051 g	6290 g
	Nontreated								
6	CL111							7974 efg	7114 efg
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
7	CL111							6998 g	6244 g
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	14DAAA		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	14DAAA		
8	CL111							7301 fg	6514 fg
	Facet L	1.5	LB/GA	0.375 lb		32 fl oz/a	4-6 LEAF		
			L	ai/a					
	COC	100 %		1 % v/v		19.2 fl oz/a	4-6 LEAF		
9	Cheniere							8618 def	7689 def
	Nontreated								
10	Cheniere							8623 def	7693 def
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
11	Cheniere							8481 def	7567 def
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	4-6 LEAF		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	4-6 LEAF		
	Loyant	0.21	LB/GA	0.026 lb		16 fl oz/a	14DAAA		
			L	3 ai/a					
	MSO	100 %		0.5 % v/v		9.6 fl oz/a	14DAAA		

12 Cheniere						8797 cde	7849 cde
Facet L	1.5 LB/GA L	0.375 lb ai/a	32 fl oz/a	4-6 LEAF			
COC	100 %	1 % v/v	19.2 fl oz/a	4-6 LEAF			
LSD P=.05						1348.3	1202.9
Standard Deviation						937.2	836.1
CV						10.67	10.67
Analyzed as						RCB	RCB
Replicate F						0.042	0.042
Replicate Prob(F)						0.9883	0.9883
Treatment F						9.076	9.076
Treatment Prob(F)						0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

C18-66 Texasweed Control with Loyant Tank mixes

Experiment number..... : **C18-66**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 03/22/18
Emergence date..... : 04/05/18
Harvest date..... : 07/30/18

Application type..... : 4-6" CNPAA
Date applied [mm/dd/yy] : 05/22/18
Time [hh:mm-hh:mm] : 9:30-10:00a
Air/Soil temperature [F] : 82/79
Relative humidity [%]..... : 74
Wind [mph, direction] : 1-3 W
Weather [sunny, etc] : sunny
Soil/Leaf surface moist..... : flood/dry
Crop stage/Height : 2-3til/14-15"
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 22/15
Applied by..... : MJO

Weed Species (population) : (height/#leaves) -
CNPAA (15-20 m⁻²) : 4-8"/3-6lf

Flush Dates : N/A
Permanent Flood..... : 05/04/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Texasweed Control with Loyant Tankmixes

Trial ID: C18-66 Location: RRS- Crowley Trial Year: 2018
Protocol ID: C18-66 Investigator: Eric P. Webster

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	Trt	Treatment	Form	Form	Rate	Other	Other	Growth	RICE Jun/8/18 INJURY %	RICE Jul/10/18 INJURY %	CNPPA Jun/8/18 CONTROL %	CNPAA Jul/10/18 CONTROL %	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm	RICE Jul/25/18 HIEGHT cm
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	Rate	Unit	1*	2*	3*	4*	5*	6*	7*
1	Nontreated													0 b	0 b	0 f	0 c	103 -	103 -	105 -
2	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	97 a	95 a	103 -	102 -	104 -
	Aim	2	LB/GA L	0.015	lb ai/a			1 fl oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
3	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	95 abc	97 a	102 -	104 -	107 -
	Sharpen	2.85	LB/GA L	0.022	lb ai/a			1 fl oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
4	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	94 abc	94 a	98 -	99 -	100 -
	League	75	%	0.188	lb ai/a			4 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
5	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	97 ab	94 a	104 -	101 -	102 -
	Regiment	80	%	0.025	lb ai/a			0.5 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
6	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	83 d	76 b	99 -	98 -	99 -
	Permit Plus	75	%	0.035	lb ai/a			0.75 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
7	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	91 c	97 a	102 -	105 -	103 -
	Permit	75	%	0.047	lb ai/a			1 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
8	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	68 e	73 b	106 -	104 -	104 -
	Gambit	79	%	0.074	lb ai/a			1.5 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
9	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	71 e	74 b	99 -	102 -	104 -
	Strada	50	%	0.072	lb ai/a			2.3 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
10	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	92 bc	96 a	102 -	104 -	102 -
	Strada Pro	50	%	0.078	lb ai/a			2.5 oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										
11	Loyant	25.0	g/L	0.026	lb ai/a			16 fl oz/a	4-6"	CNPPA				5 a	5 a	94 abc	76 b	103 -	97 -	100 -
	Grasp	2	LB/GA L	0.036	lb ai/a			2.3 fl oz/a	4-6"	CNPPA										
	MSO	100	%	0.417	% v/v			8 fl oz/a	4-6"	CNPPA										

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 fl oz/a	4-6" CNPPA	5 a	5 a	96 abc	94 a	103 -	105 -	104 -
Grasp Xtra	1.74 LB/GA L	0.245 lb ai/a	18 fl oz/a	4-6" CNPPA							
MSO	100 %	0.417 % v/v	8 fl oz/a	4-6" CNPPA							
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 fl oz/a	4-6" CNPPA	5 a	5 a	85 d	79 b	102 -	104 -	103 -
MSO	100 %	0.417 % v/v	8 fl oz/a	4-6" CNPPA							
LSD P=.05					.	.	5.1	6.5	5.9	5.9	5.3
Standard Deviation					0.0	0.0	3.6	4.5	4.1	4.1	3.7
CV					0.0	0.0	4.39	5.61	4.06	4.06	3.63
Replicate F					0.000	0.000	0.505	2.091	1.258	1.271	5.136
Replicate Prob(F)					1.0000	1.0000	0.6815	0.1185	0.3032	0.2989	0.0046
Treatment F					0.000	0.000	215.485	133.700	1.229	1.571	1.403
Treatment Prob(F)					1.0000	1.0000	0.0001	0.0001	0.3021	0.1446	0.2093

LSU AgCenter SPESS

Texasweed Control with Loyant Tankmixes											
Trial ID: C18-66		Location: RRS- Crowley		Trial Year: 2018							
Protocol ID: C18-66		Investigator: Eric P. Webster									
Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							Jul/25/18	Jul/25/18	Jul/30/18	Jul/30/18	Jul/30/18
Rating Type							HIEGHT	AVG HEIGHT	WEIGHT	YIELD	YIELD
Rating Unit							cm	cm	g	kg/ha	LB
Trt-Eval Interval							64 DAT	64 DAT	69 DAT	69 DAT	69 DAT
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	8*	9*	
	1	Nontreated							105 -	104 -	
2	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	103 -	103 -	1491 -	
	Aim	2	LB/GA L	0.015	lb ai/a	1 fl oz/a	4-6" CNPPA			5236 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4671 -	
3	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	105 -	104 -	1314 -	
	Sharpen	2.85	LB/GA L	0.022	lb ai/a	1 fl oz/a	4-6" CNPPA			4615 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4118 -	
4	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	103 -	100 -	1213 -	
	League	75	%	0.188	lb ai/a	4 oz/a	4-6" CNPPA			4260 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			3801 -	
5	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	105 -	103 -	1413 -	
	Regiment	80	%	0.025	lb ai/a	0.5 oz/a	4-6" CNPPA			4964 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4429 -	
6	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	102 -	99 -	1121 -	
	Permit Plus	75	%	0.035	lb ai/a	0.75 oz/a	4-6" CNPPA			3937 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			3513 -	
7	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	101 -	103 -	1312 -	
	Permit	75	%	0.047	lb ai/a	1 oz/a	4-6" CNPPA			4609 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4112 -	
8	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	103 -	104 -	1709 -	
	Gambit	79	%	0.074	lb ai/a	1.5 oz/a	4-6" CNPPA			6002 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			5355 -	
9	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	100 -	101 -	1384 -	
	Strada	50	%	0.072	lb ai/a	2.3 oz/a	4-6" CNPPA			4860 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4336 -	
10	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	101 -	102 -	1306 -	
	Strada Pro	50	%	0.078	lb ai/a	2.5 oz/a	4-6" CNPPA			4588 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4093 -	
11	Loyant	25.0	g/L	0.026	lb ai/a	16 fl oz/a	4-6" CNPPA	101 -	100 -	1372 -	
	Grasp	2	LB/GA L	0.036	lb ai/a	2.3 fl oz/a	4-6" CNPPA			4819 -	
	MSO	100	%	0.417	% v/v	8 fl oz/a	4-6" CNPPA			4299 -	

12 Loyant	25.0 5 g/L	0.026 lb ai/a	16 fl oz/a	4-6" CNPPA	105 -	104 -	1440 -	5058 -	4512 -
Grasp Xtra	1.74 LB/GA L	0.245 lb ai/a	18 fl oz/a	4-6" CNPPA					
MSO	100 %	0.417 % v/v	8 fl oz/a	4-6" CNPPA					
13 Loyant	25.0 5 g/L	0.026 lb ai/a	16 fl oz/a	4-6" CNPPA	101 -	102 -	1329 -	4670 -	4166 -
MSO	100 %	0.417 % v/v	8 fl oz/a	4-6" CNPPA					
LSD P=.05					5.7	4.4	317.9	1116.9	996.5
Standard Deviation					4.0	3.0	221.7	778.8	694.9
CV					3.9	2.97	16.44	16.44	16.44
Replicate F					5.605	4.188	2.115	2.115	2.115
Replicate Prob(F)					0.0029	0.0122	0.1154	0.1154	0.1154
Treatment F					0.759	1.299	1.939	1.939	1.939
Treatment Prob(F)					0.6860	0.2617	0.0622	0.0622	0.0622

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Brook's Paspalum Control Trial

Experiment number..... : **C18-82**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 05/14/18
Emergence date : 05/25/18
Harvest date : 09/10/18
Uniform Standard Treatment... : Permit Plus @ 1 oz + Agri-Dex @ 1% v/v on 06/27/18
BROOK Transplant..... : 05/24/18

Application type : POST
Date applied [mm/dd/yy] : 06/11/18
Time [hh:mm-hh:mm] : 9:30-9:45a
Air/Soil temperature [F] : 85/83
Relative humidity [%]..... : 76%
Wind [mph, direction] : 5-7, SSW
Weather [sunny, etc] : Pt Cloudy
Soil/Leaf surface moist..... : Wet/Dry
Crop stage..... : 4 lf, 1-2 tiller
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : DCW

Weed Species (population) : (height/#leaves) -
BROOK (15-25 m⁻²)..... : 3-5"/3-4lf
ECHCG (30-50 m⁻²)..... : 4-8"/4-6lf
SEBEX (4-8 m⁻²)..... : 3-5"/3-4lf

Flush Dates : N/A
Permanent Flood..... : 06/15/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Trial ID: C18-82				Location: RRS-Crowley				Trial Year: 2018			
Protocol ID:				Investigator: Eric P. Webster							
Project ID:				Study Director:							
				Sponsor Contact:							

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jun/18/18 INJURY %	RICE Jun/25/18 INJURY %	RICE Jul/11/18 INJURY %	RICE Jul/23/18 INJURY %	ECHCG Jun/18/18 CONTROL %	ECHCG Jun/25/18 CONTROL %	ECHCG Jul/11/18 CONTROL %	ECHCG Jul/23/18 CONTROL %
						7 DA-A 0	14 DA-A 0	30 DA-A	42 DA-A	7 DA-A 0	14 DA-A 0	30 DA-A	42 DA-A
Trt No.	Treatment Name	Form Conc	Form Unit	Rate Rate Unit	Growth Stage	1*	2*	3*	4*	5*	6*	7*	8*
1	Nontreated Check					0 -	0 -	0.0 -	0.0 -	0 d	0 d	0.0 d	0.0 d
2	Provisia	0.88	LB/GA L	10 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	83 a	88 a	97.0 a	95.0 a
	Agri-Dex	100	%	1 % v/v	3-4 Leaf								
3	Provisia	0.88	LB/GA L	13 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	82 a	90 a	95.0 a	95.0 a
	Agri-Dex	100	%	1 % v/v	3-4 Leaf								
4	Provisia	0.88	LB/GA L	15.5 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	88 a	93 a	97.0 a	95.0 a
	Agri-Dex	100	%	1 % v/v	3-4 Leaf								
5	Provisia	0.88	LB/GA L	18 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	78 a	90 a	95.0 a	95.0 a
	Agri-Dex	100	%	1 % v/v	3-4 Leaf								
6	Loyant	25.0	g/L	16 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	47 b	77 b	45.0 b	25.0 b
	MSO	100	%	0.5 pt/a	3-4 Leaf								
7	Grasp	2	LB/GA L	2.3 fl oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	23 c	0 d	0.0 d	0.0 d
	MSO	100	%	1 % v/v	3-4 Leaf								
8	Regiment	80	%	0.5 oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	60 b	35 c	23.3 c	20.0 c
	Dyne-A-Pak	100	%	1 % v/v	3-4 Leaf								
LSD P=.05						.	.	.	.	15.9	11.1	5.04	3.10
Standard Deviation						0.0	0.0	0.00	0.00	9.1	6.4	2.88	1.77
CV						0.0	0.0	0.0	0.0	15.78	10.75	5.09	3.33
Replicate F						0.000	0.000	0.000	0.000	0.239	0.412	0.759	1.000
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000	0.7907	0.6702	0.4865	0.3927
Treatment F						0.000	0.000	0.000	0.000	37.399	125.059	716.473	1995.000
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Brook Paspalum Control			
Trial ID: C18-82	Location: RRS-Crowley	Trial Year: 2018	
Protocol ID:	Investigator: Eric P. Webster		
Project ID:	Study Director:		
	Sponsor Contact:		

Pest Code					BROOK	BROOK	BROOK	BROOK	RICE	RICE	RICE
Rating Date					Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18	Sep/10/18	Sep/10/18	Sep/10/18
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	YIELD	YIELD	YIELD
Rating Unit					%	%	%	%	g/plot	LB	KG
Trt-Eval Interval					7 DA-A	14 DA-A	30 DA-A	42 DA-A	91 DA-A	91 DA-A	91 DA-A
Number of Decimals					0	0	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Growth							
No. Name	Conc	Unit	Rate Unit	Stage	9*	10*	11*	12*	13*	14*	15*
1 Nontreated Check					0 d	0 d	0.0 d	0.0 d	0.0 c	0 c	0 c
2 Provisia	0.88	LB/GA	10 fl	3-4 Leaf	72 c	60 bc	43.3 ab	28.3 bc	1040.7 a	1654 a	1854 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf							
3 Provisia	0.88	LB/GA	13 fl	3-4 Leaf	73 bc	72 ab	30.0 bc	25.0 c	663.3 b	1054 b	1182 b
Agri-Dex	100	%	1 % v/v	3-4 Leaf							
4 Provisia	0.88	LB/GA	15.5 fl	3-4 Leaf	83 ab	80 ab	11.7 d	40.0 ab	793.3 ab	1261 ab	1413 ab
Agri-Dex	100	%	1 % v/v	3-4 Leaf							
5 Provisia	0.88	LB/GA	18 fl	3-4 Leaf	73 bc	77 ab	35.0 ab	45.0 a	631.3 b	1003 b	1125 b
Agri-Dex	100	%	1 % v/v	3-4 Leaf							
6 Loyant	25.0	g/L	16 fl	3-4 Leaf	90 a	90 a	50.0 a	23.3 c	260.7 c	414 c	464 c
MSO	100	%	0.5 pt/a	3-4 Leaf							
7 Grasp	2	LB/GA	2.3 fl	3-4 Leaf	63 c	47 c	31.7 b	23.3 c	208.0 c	331 c	371 c
MSO	100	%	1 % v/v	3-4 Leaf							
8 Regiment	80	%	0.5 oz/a	3-4 Leaf	67 c	60 bc	13.3 cd	35.0 abc	203.0 c	323 c	362 c
Dyne-A-Pak	100	%	1 % v/v	3-4 Leaf							
LSD P=.05					11.0	24.2	16.98	11.87	303.83	482.9	541.3
Standard Deviation					6.3	13.8	9.70	6.78	173.50	275.8	309.1
CV					9.59	22.83	36.08	24.66	36.52	36.52	36.52
Replicate F					1.943	0.702	0.000	1.699	0.022	0.022	0.022
Replicate Prob(F)					0.1800	0.5124	1.0000	0.2185	0.9781	0.9781	0.9781
Treatment F					58.856	12.282	9.302	12.272	12.787	12.787	12.787
Treatment Prob(F)					0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Creeping Rivergrass Control Trial

Experiment number : **C18-83**
 Location : RRS-Crowley, LA
 Experimental design : RCB
 Number of reps : 4
 Plot size : 5'x17'
 Row width/# per plot : 7.5"/8
 Soil type : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH : 6.4
 CEC : 19.1
 Crop/Variety : PVL01
 Planting date : 05/14/18
 Emergence date : 05/25/18
 Harvest date : 09/10/18
 Uniform Standard Treatment ... : Permit Plus @ 1 oz + Agri-Dex @ 1% v/v on 06/27/18
 ECPO3 Transplant : 05/24/18

Application type : POST
 Date applied [mm/dd/yy] : 06/11/18
 Time [hh:mm-hh:mm] : 9:45-10:00a
 Air/Soil temperature [F] : 85/83
 Relative humidity [%] : 76%
 Wind [mph, direction] : 5-7, SSW
 Weather [sunny, etc] : Pt Cloudy
 Soil/Leaf surface moist : Wet/Dry
 Crop stage : 4 lf, 1-2 tiller
 Sprayer type/MPH : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by : DCW

Weed Species (population) : (height/#leaves) -
 ECHCG (30-50 m⁻²) : 4-8"/4-6lf
 ECPO3 (15-25 m⁻²) : 3-6'/3-5lf
 SEBEX (4-8 m⁻²) : 3-5"/3-4lf

Flush Dates : N/A
 Permanent Flood : 06/15/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Creeping Rivergrass Control

Trial ID: C18-83 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code					RICE	RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date					Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18	Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18
Rating Type					INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%	%	%	%
Trt-Eval Interval					7 DA-A	14 DA-A	30 DA-A	42 DA-A	7 DA-A	14 DA-A	30 DA-A	42 DA-A
Number of Decimals					0	0	0	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Growth								
No. Name	Conc	Unit	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*	8*
1 Nontreated Check					0 -	0 -	0.0 -	0.0 -	0 d	0 c	0.0 d	0.0 c
2 Provisia	0.88	LB/GA	10 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	80 a	92 a	93.3 a	93.3 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
3 Provisia	0.88	LB/GA	13 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	82 a	90 a	93.3 a	93.3 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
4 Provisia	0.88	LB/GA	15.5 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	87 a	95 a	95.0 a	95.0 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
5 Provisia	0.88	LB/GA	18 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	85 a	95 a	95.0 a	93.3 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
6 Loyant	25.0	g/L	16 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	30 b	48 b	31.7 b	21.7 b
MSO	100	%	0.5 pt/a	3-4 Leaf								
7 Grasp	2	LB/GA	2.3 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	15 c	0 c	0.0 d	0.0 c
MSO	100	%	1 % v/v	3-4 Leaf								
8 Regiment	80	%	0.5 oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	33 b	53 b	26.7 c	20.0 b
Dyne-A-Pak	100	%	1 % v/v	3-4 Leaf								
LSD P=.05					.	.	.	.	11.9	5.6	3.64	2.94
Standard Deviation					0.0	0.0	0.00	0.00	6.8	3.2	2.08	1.68
CV					0.0	0.0	0.0	0.0	13.22	5.38	3.82	3.23
Replicate F					0.000	0.000	0.000	0.000	1.103	0.412	0.724	4.789
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.3591	0.6702	0.5020	0.0260
Treatment F					0.000	0.000	0.000	0.000	82.029	496.706	1343.966	2171.579
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Creeping Rivergrass Control

Trial ID: C18-83 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code					ECPO3	ECPO3	ECPO3	ECPO3	RICE	RICE	RICE		
Rating Date					Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18	Sep/10/18	Sep/10/18	Sep/10/18		
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	YIELD	YIELD	YIELD		
Rating Unit					%	%	%	%	g/plot	LB	KG		
Trt-Eval Interval					7 DA-A	14 DA-A	30 DA-A	42 DA-A	91 DA-A	91 DA-A	91 DA-A		
Number of Decimals					0					0	0		
Trt	Treatment	Form	Form	Rate	Growth								
No.	Name	Conc	Unit	Rate	Unit	Stage							
1	Nontreated Check						9*	10*	11*	12*	13*	14*	15*
							0 c	0.0 e	0.0 e	0.0 f	0.0 e	0 e	0 e
2	Provisia	0.88	LB/GA L	10	fl oz/a	3-4 Leaf	82 ab	90.0 ab	95.3 a	83.3 b	596.0 b	917 b	1028 b
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
3	Provisia	0.88	LB/GA L	13	fl oz/a	3-4 Leaf	82 ab	91.7 a	92.0 a	91.7 a	543.0 bc	835 bc	936 bc
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
4	Provisia	0.88	LB/GA L	15.5	fl oz/a	3-4 Leaf	85 ab	93.3 a	97.0 a	83.3 b	1077.3 a	1657 a	1858 a
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
5	Provisia	0.88	LB/GA L	18	fl oz/a	3-4 Leaf	90 a	85.0 ab	97.0 a	93.3 a	384.3 cd	591 cd	663 cd
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
6	Loyant	25.0	g/L	16	fl oz/a	3-4 Leaf	87 ab	73.3 c	48.3 d	18.3 e	351.0 d	540 d	605 d
	MSO	100	%	0.5	pt/a	3-4 Leaf							
7	Grasp	2	LB/GA L	2.3	fl oz/a	3-4 Leaf	78 b	55.0 d	60.0 c	30.0 d	0.0 e	0 e	0 e
	MSO	100	%	1	% v/v	3-4 Leaf							
8	Regiment	80	%	0.5	oz/a	3-4 Leaf	77 b	81.7 bc	71.7 b	55.0 c	0.0 e	0 e	0 e
	Dyne-A-Pak	100	%	1	% v/v	3-4 Leaf							
LSD P=.05							10.6	8.73	8.24	7.24	165.85	255.1	286.0
Standard Deviation							6.0	4.99	4.70	4.14	94.70	145.7	163.3
CV							8.31	7.0	6.71	7.27	25.67	25.67	25.67
Replicate F							3.098	2.389	0.996	1.278	0.291	0.291	0.291
Replicate Prob(F)							0.0769	0.1280	0.3942	0.3091	0.7516	0.7516	0.7516
Treatment F							72.459	118.970	155.960	235.052	47.430	47.430	47.430
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Southern Watergrass Control Trial

Experiment number..... : **C18-84**
 Location..... : RRS-Crowley, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
 % OM : 1.4
 pH..... : 6.4
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 05/14/18
 Emergence date : 05/25/18
 Harvest date : 09/10/18
 Uniform Standard Treatment... : Permit Plus @ 1 oz + Agri-Dex @ 1% v/v on 06/27/18
 ECPO3 Transplant..... : 05/24/18

Application type : POST
 Date applied [mm/dd/yy] : 06/11/18
 Time [hh:mm-hh:mm] : 10:00-10:15a
 Air/Soil temperature [F] : 85/83
 Relative humidity [%]..... : 76%
 Wind [mph, direction] : 5-7, SSW
 Weather [sunny, etc] : Pt Cloudy
 Soil/Leaf surface moist..... : Wet/Dry
 Crop stage..... : 4 lf, 1-2 tiller
 Sprayer type/MPH..... : BKPK/3.0
 Nozzle type/Size* : FF/110015
 Boom ht/# Noz/Spacing : 15/5/15
 GPA/PSI : 15/21
 Applied by..... : DCW

Weed Species (population) :----- (height/#leaves) -----
 ECHCG (30-50 m⁻²)..... : 4-8"/4-6lf
 LUFL2 (15-25 m⁻²)..... : 1-2"/2-4lf
 SEBEX (4-8 m⁻²)..... : 3-5"/3-4lf

Flush Dates : N/A
 Permanent Flood..... : 06/15/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Southern Watergrass Control

Trial ID: C18-84 Location: RRS-Crowley Trial Year: 2018
 Protocol ID: Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code					RICE	RICE	RICE	RICE	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date					Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18	Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18
Rating Type					INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%			%	%	%	%
Trt-Eval Interval					7 DA-A	14 DA-A	30 DA-A	42 DA-A	7 DA-A	14 DA-A	30 DA-A	42 DA-A
Number of Decimals					0	0			0	0		
Trt Treatment	Form	Form	Rate	Growth								
No. Name	Conc	Unit	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*	8*
1 Nontreated Check					0 -	0 -	0.0 -	0.0 -	0 c	0 d	0.0 c	0.0 d
2 Provisia	0.88	LB/GA	10 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	88 a	95 a	97.0 a	96.0 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
3 Provisia	0.88	LB/GA	13 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	90 a	93 a	96.0 a	96.0 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
4 Provisia	0.88	LB/GA	15.5 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	90 a	95 a	96.0 a	95.0 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
5 Provisia	0.88	LB/GA	18 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	92 a	95 a	97.0 a	95.0 a
Agri-Dex	100	%	1 % v/v	3-4 Leaf								
6 Loyant	25.0	g/L	16 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	40 b	67 b	76.7 b	38.3 b
MSO	100	%	0.5 pt/a	3-4 Leaf								
7 Grasp	2	LB/GA	2.3 fl	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	27 b	7 d	0.0 c	0.0 d
MSO	100	%	1 % v/v	3-4 Leaf								
8 Regiment	80	%	0.5 oz/a	3-4 Leaf	0 -	0 -	0.0 -	0.0 -	33 b	45 c	85.0 b	33.3 c
Dyne-A-Pak	100	%	1 % v/v	3-4 Leaf								
LSD P=.05					.	.	.	.	17.0	16.7	10.20	3.01
Standard Deviation					0.0	0.0	0.00	0.00	9.7	9.5	5.82	1.72
CV					0.0	0.0	0.0	0.0	16.91	15.32	8.5	3.03
Replicate F					0.000	0.000	0.000	0.000	2.613	2.395	2.450	0.693
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	0.1086	0.1275	0.1224	0.5165
Treatment F					0.000	0.000	0.000	0.000	42.532	54.309	162.590	1939.764
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Southern Watergrass Control			
Trial ID:	C18-84	Location:	RRS-Crowley Trial Year: 2018
Protocol ID:		Investigator:	Eric P. Webster
Project ID:		Study Director:	
		Sponsor Contact:	

Pest Code						LUFL2	LUFL2	LUFL2	LUFL2	RICE	RICE	RICE	
Rating Date						Jun/18/18	Jun/25/18	Jul/11/18	Jul/23/18	Sep/10/18	Sep/10/18	Sep/10/18	
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	YIELD	YIELD	YIELD	
Rating Unit						%	%	%	%	g/plot	LB	KG	
Trt-Eval Interval						7 DA-A	14 DA-A	30 DA-A	42 DA-A	91 DA-A	91 DA-A	91 DA-A	
Number of Decimals						0					0	0	
Trt	Treatment	Form	Form	Rate	Growth								
No.	Name	Conc	Unit	Rate	Unit	Stage	9*	10*	11*	12*	13*	14*	15*
1	Nontreated Check						0 c	0.0 c	0.0 f	0.0 f	0.0 d	0 d	0 d
2	Provisia	0.88	LB/GA L	10	fl oz/a	3-4 Leaf	83 ab	95.0 a	86.7 b	81.7 b	609.0 a	969 a	1086 a
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
3	Provisia	0.88	LB/GA L	13	fl oz/a	3-4 Leaf	75 b	95.0 a	83.3 b	85.0 b	506.0 ab	805 ab	903 ab
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
4	Provisia	0.88	LB/GA L	15.5	fl oz/a	3-4 Leaf	78 ab	95.0 a	85.0 b	91.7 a	614.3 a	978 a	1096 a
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
5	Provisia	0.88	LB/GA L	18	fl oz/a	3-4 Leaf	87 a	95.0 a	95.3 a	96.0 a	308.3 c	491 c	550 c
	Agri-Dex	100	%	1	% v/v	3-4 Leaf							
6	Loyant	25.0	g/L	16	fl oz/a	3-4 Leaf	83 ab	68.3 b	35.0 e	21.7 e	433.0 bc	689 bc	772 bc
	MSO	100	%	0.5	pt/a	3-4 Leaf							
7	Grasp	2	LB/GA L	2.3	fl oz/a	3-4 Leaf	77 b	73.3 b	43.3 d	31.7 d	0.0 d	0 d	0 d
	MSO	100	%	1	% v/v	3-4 Leaf							
8	Regiment	80	%	0.5	oz/a	3-4 Leaf	78 ab	76.7 b	63.3 c	51.7 c	306.7 c	488 c	547 c
	Dyne-A-Pak	100	%	1	% v/v	3-4 Leaf							
LSD P=.05						9.8	8.41	7.38	5.11	165.23	263.0	294.8	
Standard Deviation						5.6	4.80	4.21	2.92	94.35	150.2	168.3	
CV						8.0	6.42	6.85	5.08	27.18	27.18	27.18	
Replicate F						4.094	0.587	0.303	1.196	2.006	2.006	2.006	
Replicate Prob(F)						0.0398	0.5691	0.7435	0.3315	0.1714	0.1714	0.1714	
Treatment F						77.995	135.168	184.040	467.975	20.061	20.061	20.061	
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Provisia + Grasp with Different Surfactants

Experiment number..... : **SJ18-03**
Location..... : NERS St. Joseph, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Sharkey Clay
% OM : 2.1
pH..... : 6.1
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 5/09/18
Emergence date..... : 5/17/18
Harvest date..... : N/A

Application type..... : 3-4 LF
Date applied [mm/dd/yy] : 5/30/18
Time [hh:mm-hh:mm] : 9:00-9:15a
Air/Soil temperature [F] : 83/75
Relative humidity [%]..... : 82%
Wind [mph, direction] : 2-4, N
Weather [sunny, etc] : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage..... : 3-4lf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
ECHCG (100-200m⁻²)..... : 4-6"/3-5lf
LEFPA (1-10m⁻²) : 4-6"/3-5lf
SEBEX(1-5m⁻²)..... : 1-2"/cot-2lf

Flush Dates : 5/09/18, 5/23/18
Permanent Flood..... : 6/07/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants

Trial ID: SJ18-03 Location: St. Joe, LA. Trial Year: 2018
 Protocol ID: SJ18-03 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE Jun/14/18 INJURY % 15 DAT 0	RICE Jun/28/18 INJURY % 29 DAT 0	RICE Jul/18/18 INJURY % 49 DAT 0	ECHCG Jun/14/18 CONTROL % 15 DAT 0	ECHCG Jun/28/18 CONTROL % 29 DAT 0	ECHCG Jul/18/18 CONTROL % 49 DAT 0	
Trt	Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*
1	No Herbicide No Surfactant								0 -	0 -	0 -	0 g	0 e	0 c
2	No Herbicide Agri-Dex	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
3	No Herbicide MSO	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
4	No Herbicide Dash	100	%	1	% v/v	1.2	pt/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
5	Provisia No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	58 c	70 c	83 b
6	Provisia Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	78 a	78 b	88 a
7	Provisia MSO	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	76 a	74 bc	86 ab
8	Provisia Dash	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	64 b	85 a	86 ab
9	Grasp No Surfactant	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
10	Grasp Agri-Dex	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
11	Grasp MSO	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
12	Grasp Dash	2	LB/GA L	0.03	lb 6 ai/a	2.3	oz/a	3-4 LEAF	0 -	0 -	0 -	0 g	0 e	0 c
13	Provisia Grasp No Surfactant	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	18 f	0 e	3 c
14	Provisia Grasp Agri-Dex	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	3-4 LEAF	0 -	0 -	0 -	29 e	5 d	3 c

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	34 d	5 d	0 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF						
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF						
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	25 e	0 e	0 c
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF						
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF						
LSD P=.05						.	.	.	4.8	4.4	3.7
Standard Deviation						0.0	0.0	0.0	3.3	3.1	2.6
CV						0.0	0.0	0.0	14.08	15.47	11.96
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	1.398	2.604	0.587
Replicate Prob(F)						1.0000	1.0000	1.0000	0.2559	0.0634	0.6265
Treatment F						0.000	0.000	0.000	311.553	495.440	862.239
Treatment Prob(F)						1.0000	1.0000	1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Grasp with Different Surfactants										
Trial ID: SJ18-03		Location: St. Joe, LA.		Trial Year: 2018						
Protocol ID: SJ18-03		Investigator: Eric P. Webster								
Project ID:		Study Director:								
		Sponsor Contact:								
Pest Code							SEBEX	SEBEX	SEBEX	LEFPA
Rating Date							Jun/14/18	Jun/28/18	Jul/18/18	Jun/28/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DAT	29 DAT	49 DAT	15 DAT
Number of Decimals							0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage			
								7*	8*	9*
								10*		11*
1 No Herbicide								0 d	0 d	0 c
No										
Surfactant										
2 No Herbicide								0 d	0 d	0 c
Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
3 No Herbicide								0 d	0 d	0 c
MSO	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
4 No Herbicide								0 d	0 d	0 c
Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
5 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		0 d	0 d	0 c
No		L	7 ai/a							
Surfactant										
6 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		13 c	25 c	0 c
Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
7 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		0 d	0 d	0 c
MSO	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
8 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		0 d	0 d	0 c
Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
9 Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF		74 b	50 b	66 b
No		L	6 ai/a							
Surfactant										
10 Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF		98 a	99 a	99 a
Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
11 Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF		99 a	98 a	99 a
MSO	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
12 Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF		98 a	98 a	98 a
Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
13 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		98 a	96 a	96 a
Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF				
No		L	6 ai/a							
Surfactant										
14 Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF		98 a	98 a	97 a
Grasp	2	LB/GA	0.03 lb		2.3 oz/a	3-4 LEAF				
Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	99 a	98 a	88 cd	91 d
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
MSO	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	96 a	96 a	98 a	89 bcd	95 ab
Grasp	2	LB/GA L	0.03 lb 6 ai/a	2.3 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						2.8	4.6	3.7	3.9	3.0
Standard Deviation						2.0	3.2	2.6	2.7	2.1
CV						4.09	6.79	5.5	6.12	4.6
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						0.777	0.571	0.791	1.074	0.432
Replicate Prob(F)						0.5131	0.6371	0.5051	0.3695	0.7314
Treatment F						2428.428	872.971	1444.824	1142.145	2016.958
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Provisia + Regiment with Different Surfactants

Experiment number..... : **SJ18-05**
Location..... : NERS St. Joseph, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Sharkey Clay
% OM : 2.1
pH..... : 6.1
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 5/09/18
Emergence date : 5/17/18
Harvest date : N/A

Application type : 3-4 LF
Date applied [mm/dd/yy] : 5/30/18
Time [hh:mm-hh:mm] : 9:15-9:30a
Air/Soil temperature [F] : 83/75
Relative humidity [%]..... : 82%
Wind [mph, direction] : 2-5, N
Weather [sunny, etc] : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height : 3-4lf
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : LCW

Weed Species (population) : (height/#leaves) -
ECHCG (100-200m⁻²)..... : 4-6"/3-5lf
LEFPA (1-10m⁻²) : 4-6"/3-5lf
SEBEX(1-5m⁻²)..... : 1-2"/cot-2lf

Flush Dates : 5/09/18, 5/23/18
Permanent Flood..... : 6/07/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants

Trial ID: SJ18-05 Location: St. Joe, LA. Trial Year: 2018
 Protocol ID: SJ18-05 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE Jun/14/18 INJURY %	RICE Jun/28/18 INJURY %	RICE Jul/18/18 INJURY %	ECHCG Jun/14/18 CONTROL %	ECHCG Jun/28/18 CONTROL %	ECHCG Jul/18/18 CONTROL %
						15 DAT 0	29 DAT 0	49 DAT 0	15 DAT 0	29 DAT 0	49 DAT 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage		
1	No Herbicide No Surfactant										
2	No Herbicide Agri-Dex	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF				
3	No Herbicide Dyne-A-Pak	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF				
4	No Herbicide Dash	100 %		1 %	v/v	1.2 pt/a	3-4 LEAF				
5	Provisia No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				
6	Provisia Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				
7	Provisia Dyne-A-Pak	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				
8	Provisia Dash	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				
9	Regiment No Surfactant	80 %		0.03 lb ai/a		0.6 oz/a	3-4 LEAF				
10	Regiment Agri-Dex	80 %		0.03 lb ai/a		0.6 oz/a	3-4 LEAF				
11	Regiment Dyne-A-Pak	80 %		0.03 lb ai/a		0.6 oz/a	3-4 LEAF				
12	Regiment Dash	80 %		0.03 lb ai/a		0.6 oz/a	3-4 LEAF				
13	Provisia Regiment No Surfactant	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				
14	Provisia Regiment Agri-Dex	0.88 LB/GA L		0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF				

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	20 d	0 d	0 e
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF						
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF						
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	10 f	0 d	0 e
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF						
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF						
LSD P=.05						.	.	.	3.4	2.7	2.8
Standard Deviation						0.0	0.0	0.0	2.4	1.9	2.0
CV						0.0	0.0	0.0	12.46	11.17	13.45
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.256	0.392	1.719
Replicate Prob(F)						1.0000	1.0000	1.0000	0.8568	0.7594	0.1766
Treatment F						0.000	0.000	0.000	575.735	1043.850	722.636
Treatment Prob(F)						1.0000	1.0000	1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + Regiment with Different Surfactants											
Trial ID: SJ18-05		Location: St. Joe, LA.		Trial Year: 2018							
Protocol ID: SJ18-05		Investigator: Eric P. Webster									
Project ID:		Study Director:									
		Sponsor Contact:									
Pest Code							SEBEX	SEBEX	SEBEX	LEFPA	LEFPA
Rating Date							Jun/14/18	Jun/28/18	Jul/18/18	Jun/28/18	Jul/18/18
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAT	29 DAT	49 DAT	15 DAT	29 DAT
Number of Decimals							0	0	0	0	0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	No Herbicide										
	No										
	Surfactant										
2	No Herbicide										
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
3	No Herbicide										
	Dyne-A-Pak	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
4	No Herbicide										
	Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
5	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
	No		L	7 ai/a							
	Surfactant										
6	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
			L	7 ai/a							
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
7	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
			L	7 ai/a							
	Dyne-A-Pak	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
8	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
			L	7 ai/a							
	Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
9	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
	No			ai/a							
	Surfactant										
10	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
				ai/a							
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
11	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
				ai/a							
	Dyne-A-Pak	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
12	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
				ai/a							
	Dash	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				
13	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
			L	7 ai/a							
	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
	No			ai/a							
	Surfactant										
14	Provisia	0.88	LB/GA	0.10 lb		15.5 oz/a	3-4 LEAF				
			L	7 ai/a							
	Regiment	80 %		0.03 lb		0.6 oz/a	3-4 LEAF				
				ai/a							
	Agri-Dex	100 %		1 % v/v		1.2 pt/a	3-4 LEAF				

15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	99 a	97 a	81 b	91 a
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dyne-A-Pak	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
16 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	99 a	99 a	79 b	91 a
Regiment	80 %		0.03 lb ai/a	0.6 oz/a	3-4 LEAF					
Dash	100 %		1 % v/v	1.2 pt/a	3-4 LEAF					
LSD P=.05						3.0	1.9	3.7	5.4	4.0
Standard Deviation						2.1	1.3	2.6	3.8	2.8
CV						4.52	2.85	5.56	9.36	6.19
Analyzed as						RCB	RCB	RCB	RCB	RCB
Replicate F						1.380	1.771	0.304	0.799	0.377
Replicate Prob(F)						0.2612	0.1662	0.8225	0.5009	0.7703
Treatment F						2201.524	5626.986	1402.813	504.997	1113.524
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Provisia Applied at Different Timings on Antagonized Weeds

Experiment number..... : **SJ18-06**
 Location..... : NERS St. Joseph, LA
 Experimental design..... : RCB
 Number of reps : 4
 Plot size..... : 5'x17'
 Row width/# per plot..... : 7.5"/8
 Soil type..... : Sharkey Clay
 % OM : 2.1
 pH..... : 6.1
 CEC..... : 19.1
 Crop/Variety : PVL01
 Planting date : 5/09/18
 Emergence date : 5/17/18
 Harvest date : N/A

Application type.....	3-4 LF	1 WA 3-4 LF	2 WA 3-4 LF	3 WA 3-4 LF	4 WA 3-4LF
Date applied [mm/dd/yy]	5/30/18	6/7/18	6/14/18	6/22/18	6/28/18
Time [hh:mm-hh:mm]	9:30-9:40a	9:00-9:05a	8:10-8:15a	8:20-8:30a	9:15-9:20a
Air/Soil temperature [F]	85/75	82/69	75/69	77/69	84/88
Relative humidity [%].....	80%	70%	90%	95%	78%
Wind [mph, direction]	2-5, N	1-3, SSE	2-3, SW	4-5, SE	6-10, SW
Weather [sunny, etc]	sunny	sunny	cloudy	cloudy	Pt. Cloudy
Soil/Leaf surface moist.....	wet/dry	dry/dry	flood	flood	wet/dry
Crop stage/Height	3-4lf	3-4lf/4-5"	4-5lf	2-3 til	3-4 til
Sprayer type/MPH.....	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF/110015	FF/110015	FF/110015
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.....	LCW	LCW	LCW	LCW	LCW

Weed Species (population)	:- (height/#leaves) -				
ECHCG (100-200m ⁻²).....	1-3"/2-3lf	2-3"/3-4lf	5-6"/4-5lf	10-12"/5-6lf	8-12"/1-2til
LEFPA (1-10m ⁻²)	1-3"/2-3lf	2-3"/3-4lf	5-6"/4-5lf	6-8"/5-6lf	8-10"/8-10lf
SEBEX(1-5m ⁻²).....	2-4"/2-3lf	5-6"/4-5lf	6-10"/4-5lf	14-18"/8-10lf	18-20"/10-15lf
CYPIR (20-30m ⁻²).....	3-4"/1-3lf	3-5"/3-6lf	5-6"/3-6lf	7-9"/6-9lf	8-10"/6-9lf

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds

Trial ID: SJ18-06 Location: St. Joe, LA. Trial Year: 2018
 Protocol ID: SJ18-06 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jun/20/18 INJURY % 21 DA 3-4LF 0	RICE Jul/5/18 INJURY % 36 DA 3-4LF 0	RICE Jul/18/18 INJURY % 49 DA 3-4LF 0	ECHCG Jun/20/18 CONTROL % 21 DA 3-4LF 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*
1	No EPOST Application No Second Application								0 -	0 -	0 -	0 h
2	No EPOST Application								0 -	0 -	0 -	91 bcd
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
3	No EPOST Application								0 -	0 -	0 -	96 ab
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
4	No EPOST Application									0 -	0 -	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				
5	No EPOST Application									0 -	0 -	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF				
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 -	0 -	0 -	85 e
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	No Second Application											
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 -	0 -	0 -	93 abc
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF				
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 -	0 -	0 -	98 a
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF				
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	0 -	0 -	0 -	86 de
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF				
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF				
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF				

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	88 cde
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	11 g
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	91 b-e
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	95 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	19 f
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 -	0 -	0 -	10 g
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						.	.	.	6.2
Standard Deviation						0.0	0.0	0.0	4.3
CV						0.0	0.0	0.0	6.47
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	0.862
Replicate Prob(F)						1.0000	1.0000	1.0000	0.4697
Treatment F						0.000	0.000	0.000	337.545
Treatment Prob(F)						1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds

Trial ID: SJ18-06 Location: St. Joe, LA. Trial Year: 2018
 Protocol ID: SJ18-06 Investigator: Eric P. Webster
 Project ID: Study Director:
 Sponsor Contact:

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	ECHCG Jul/5/18 CONTROL % 36 DA 3-4LF 0	ECHCG Jul/18/18 CONTROL % 49 DA 3-4LF 0	SEBEX Jun/20/18 CONTROL % 21 DA 3-4LF 0	SEBEX Jul/5/18 CONTROL % 36 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF	
3	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF	
4	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF	
5	No EPOST Application								
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		4 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		4 WA 3-4 LF	
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	No Second Application								
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		1 WA 3-4 LF	
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		2 WA 3-4 LF	
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a		3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a		3 WA 3-4 LF	

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 abc	89 bcd	0 c	0 c
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 f	0 h	98 a	98 a
Propanil No Second Application	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 bc	95 a	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	95 ab	88 cde	97 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 abc	93 abc	98 a	98 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	63 e	83 e	95 b	94 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						5.4	5.8	2.3	2.0
Standard Deviation						3.8	4.1	1.6	1.4
CV						4.98	5.43	4.24	4.41
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						4.077	3.558	1.504	1.310
Replicate Prob(F)						0.0125	0.0221	0.2299	0.2838
Treatment F						301.337	241.601	3861.092	4403.503
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds

Trial ID: SJ18-06	Location: St. Joe, LA.	Trial Year: 2018
Protocol ID: SJ18-06	Investigator: Eric P. Webster	
Project ID:	Study Director:	
	Sponsor Contact:	

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals						SEBEX Jul/18/18 CONTROL % 49 DA 3-4LF 0	CYPIR Jun/20/18 CONTROL % 21 DA 3-4LF 0	CYPIR Jul/5/18 CONTROL % 36 DA 3-4LF 0	CYPIR Jul/18/18 CONTROL % 49 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth		
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	
1	No EPOST Application No Second Application								
2	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a		1 WA 3-4 LF 1 WA 3-4 LF	
3	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a		2 WA 3-4 LF 2 WA 3-4 LF	
4	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a		3 WA 3-4 LF 3 WA 3-4 LF	
5	No EPOST Application Provisia Agri-Dex	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a		4 WA 3-4 LF 4 WA 3-4 LF	
6	Provisia Agri-Dex No Second Application	0.88 100 %	LB/GA L	0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a		3-4 LEAF 3-4 LEAF	
7	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a		3-4 LEAF 3-4 LEAF 1 WA 3-4 LF 1 WA 3-4 LF	
8	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a		3-4 LEAF 3-4 LEAF 2 WA 3-4 LF 2 WA 3-4 LF	
9	Provisia Agri-Dex Provisia Agri-Dex	0.88 100 % 0.88 100 %	LB/GA L LB/GA L	0.10 lb 7 ai/a 1 % v/v 0.10 lb 7 ai/a 1 % v/v		15.5 oz/a 19.2 fl oz/a 15.5 oz/a 19.2 fl oz/a		3-4 LEAF 3-4 LEAF 3 WA 3-4 LF 3 WA 3-4 LF	

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	0 c	0 d	0 e	0 d
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	20 b	50 b	89 c
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
No Second Application									
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	35 a	55 a	97 a
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF				
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	10 c	20 d	91 bc
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF				
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 a	10 c	45 c	93 b
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF				
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	95 b	10 c	50 b	89 c
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF				
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF				
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF				
LSD P=.05						2.2	2.3	4.3	3.0
Standard Deviation						1.5	1.6	3.0	2.1
CV						4.71	24.49	20.69	6.98
Analyzed as						RCB	RCB	RCB	RCB
Replicate F						1.782	1.000	0.483	0.365
Replicate Prob(F)						0.1652	0.4040	0.6960	0.7788
Treatment F						3861.287	178.000	224.172	1763.460
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Applied at Different Timings on Antagonized Weeds

Trial ID: SJ18-06 Location: St. Joe, LA. Trial Year: 2018 Protocol ID: SJ18-06 Investigator: Eric P. Webster Project ID: Study Director: Sponsor Contact:								
Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							LEFPA Jul/5/18 CONTROL % 36 DA 3-4LF 0	LEFPA Jul/18/18 CONTROL % 49 DA 3-4LF 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage
1	No EPOST Application No Second Application							
							13*	14*
2	No EPOST Application							
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF	
3	No EPOST Application							
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF	
4	No EPOST Application							
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF	
5	No EPOST Application							
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	4 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	4 WA 3-4 LF	
6	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF	
	No Second Application							
7	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	1 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	1 WA 3-4 LF	
8	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	2 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	2 WA 3-4 LF	
9	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3-4 LEAF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3-4 LEAF	
	Provisia	0.88	LB/GA L	0.10 lb 7 ai/a		15.5 oz/a	3 WA 3-4 LF	
	Agri-Dex	100	%	1 % v/v		19.2 fl oz/a	3 WA 3-4 LF	

10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	99 a
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3-4 LEAF		
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF		
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF		
11 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	91 cd	91 d
Propanil No Second Application	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF		
12 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 cd	93 cd
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF		
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	1 WA 3-4 LF		
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	1 WA 3-4 LF		
13 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	99 a	98 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF		
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	2 WA 3-4 LF		
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	2 WA 3-4 LF		
14 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	98 ab	97 ab
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF		
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3 WA 3-4 LF		
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	3 WA 3-4 LF		
15 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	3-4 LEAF	93 cd	95 bcd
Propanil	4	LB/GA L	4 lb ai/a	4 qt/a	3-4 LEAF		
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	4 WA 3-4 LF		
Agri-Dex	100 %		1 % v/v	19.2 fl oz/a	4 WA 3-4 LF		
LSD P=.05						3.9	3.7
Standard Deviation						2.7	2.6
CV						3.29	3.16
Analyzed as						RCB	RCB
Replicate F						1.018	1.975
Replicate Prob(F)						0.3945	0.1324
Treatment F						614.146	665.602
Treatment Prob(F)						0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Provisia + RiceOne Comparison at EPOST

Experiment number..... : **SJ18-13**
Location..... : NERS St. Joseph, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Sharkey Clay
% OM : 2.1
pH..... : 6.1
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 5/09/18
Emergence date : 5/17/18
Harvest date : N/A

Application type : EPOST
Date applied [mm/dd/yy] : 5/25/18
Time [hh:mm-hh:mm] : 9:45-10:00a
Air/Soil temperature [F] : 81/73
Relative humidity [%]..... : 74%
Wind [mph, direction] : 1-3, NW
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage/Height : 2-3LF
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : MJO

Weed Species (population) : (height/#leaves) -
ECHCG (100-150m²)..... : 1-3"/2-3lf

Flush Dates : 05/09/18, 05/23/18
Permanent Flood..... : 06/07/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: SJ18-13 Provisia + RiceOne Compari Location: Saint Joseph, LA
 Trial Year: 2018
 Protocol ID: SJ18-13 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jun/7/18 INJURY % 13 DAT 0	RICE Jun/20/18 INJURY % 26 DAT 0	RICE Jul/5/18 INJURY % 41 DAT 0	ECHCG Jun/7/18 CONTROL % 13 DAT 0	ECHCG Jun/20/18 CONTROL % 26 DAT 0	ECHCG Jul/5/18 CONTROL % 41 DAT 0	LEPFA Jun/20/18 CONTROL % 26 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1	No Provisia No Mix Partner								5 -	5 -	5 -	0 e	0 e	0 e	0 e
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							
2	No Provisia Command 3ME								5 -	5 -	5 -	53 c	40 d	16 d	30 d
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							
3	No Provisia								5 -	5 -	5 -	30 d	39 d	19 cd	31 d
	Prowl H20	3.8	LB/GA L	33.6	fl oz/a	1	lb ai/a	EPOST							
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							
4	No Provisia Command 3ME								5 -	5 -	5 -	60 b	49 c	23 c	48 c
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							
5	No Provisia								5 -	5 -	5 -	63 b	51 c	23 c	59 c
	RiceOne	3.63	LB/GA L	50	fl oz/a	1.42	lb ai/a	EPOST							
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							
6	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	EPOST	5 -	5 -	5 -	95 a	85 b	79 b	90 ab
	No Mix Partner														
	Agri-Dex	100	%	1	% v/v	1.2	pt/a	EPOST							
	Provisia	0.88	LB/GA L	0.10	lb 7 ai/a	15.5	oz/a	LPOST							
	Agri-Dex	100	%	1	% v/v	19.2	oz/a	LPOST							

7 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 -	5 -	5 -	94 a	93 a	95 a	94 ab
Command 3ME	3	LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST							
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST							
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST							
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST							
8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 -	5 -	5 -	94 a	94 a	84 b	96 a
Prowl H20	3.8	LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST							
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST							
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST							
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST							
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 -	5 -	5 -	95 a	95 a	93 a	97 a
Command 3ME	3	LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST							
Prowl H20	3.8	LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST							
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST							
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST							
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST							
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	5 -	5 -	5 -	95 a	97 a	92 a	82 b
RiceOne	3.63	LB/GA L	50 fl oz/a	1.42 lb ai/a	EPOST							
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST							
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST							
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST							
LSD P=.05						.	.	.	3.4	6.3	6.2	13.0
Standard Deviation						0.0	0.0	0.0	2.3	4.3	4.2	9.0
CV						0.0	0.0	0.0	3.44	6.71	8.12	14.37
Analyzed as						RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F						0.000	0.000	0.000	1.055	6.586	0.453	1.523
Replicate Prob(F)						1.0000	1.0000	1.0000	0.3845	0.0017	0.7173	0.2311
Treatment F						0.000	0.000	0.000	811.051	237.759	337.890	57.965
Treatment Prob(F)						1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia + RiceOne Comparison at EPOST

Trial ID: SJ18-13 Provisia + RiceOne Compari Location: Saint Joseph, LA
 Trial Year: 2018
 Protocol ID: SJ18-13 Investigator: Eric P. Webster

Pest Code	LEPFA					
Rating Date	Jul/5/18					
Rating Type	CONTROL					
Rating Unit	%					
Trt-Eval Interval	41 DAT					
Number of Decimals	0					
Trt Treatment	Form Form	Rate	Other Other	Growth		
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage	8*	
1 No Provisia						0 e
No Mix Partner						
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
2 No Provisia						15 d
Command	3 LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST		
3ME						
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
3 No Provisia						18 d
Prowl H20	3.8 LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST		
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
4 No Provisia						18 d
Command	3 LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST		
3ME						
Prowl H20	3.8 LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST		
Agri-Dex	100 %	1 % v/v	1.2 pt/a	LPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
5 No Provisia						19 d
RiceOne	3.63 LB/GA L	50 fl oz/a	1.42 lb ai/a	EPOST		
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
6 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	88 c	
No Mix Partner						
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		
Agri-Dex	100 %	1 % v/v	19.2 oz/a	LPOST		
7 Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	94 a	
Command	3 LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST		
3ME						
Agri-Dex	100 %	1 % v/v	1.2 pt/a	EPOST		
Provisia	0.88 LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST		

Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
8 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	89 bc
Prowl H20	3.8	LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
9 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	94 a
Command 3ME	3	LB/GA L	0.41 lb 7 ai/a	17.8 oz/a	EPOST	
Prowl H20	3.8	LB/GA L	33.6 fl oz/a	1 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	LPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
10 Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	EPOST	93 ab
RiceOne	3.63	LB/GA L	50 fl oz/a	1.42 lb ai/a	EPOST	
Agri-Dex	100 %		1 % v/v	1.2 pt/a	EPOST	
Provisia	0.88	LB/GA L	0.10 lb 7 ai/a	15.5 oz/a	LPOST	
Agri-Dex	100 %		1 % v/v	19.2 oz/a	LPOST	
LSD P=.05						4.8
Standard Deviation						3.3
CV						6.35
Analyzed as						RCB
Replicate F						0.750
Replicate Prob(F)						0.5319
Treatment F						611.750
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Interactions of RiceOne plus Propanil Mixtures

Experiment number..... : **SJ18-35**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
Number of reps : 4
Plot size..... : 5'x17'
Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM : 1.4
pH..... : 6.4
CEC..... : 19.1
Crop/Variety : PVL01
Planting date : 05/09/18
Emergence date : 05/17/18
Harvest date : N/A

Application type : EPOST
Date applied [mm/dd/yy] : 05/23/18
Time [hh:mm-hh:mm] : 8:45-9:10a
Air/Soil temperature [F] : 78/70
Relative humidity [%]..... : 82%
Wind [mph, direction] : 1-3, SSE
Weather [sunny, etc] : Sunny
Soil/Leaf surface moist..... : Dry/Dry
Crop stage/Height : 2-3 LF
Sprayer type/MPH..... : BKPK/3.0
Nozzle type/Size* : FF/110015
Boom ht/# Noz/Spacing : 15/5/15
GPA/PSI : 15/21
Applied by..... : MJO

Weed Species (population) : (height/#leaves) -
ECHCG (150-200 m⁻²)..... : 1-2"/2-3lf

Flush Dates : 05/09/18, 05/23/18
Permanent Flood..... : 06/07/18

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Interactions of RiceOne plus Propanil Mixtures

Trial ID: SJ18-35 Interactions of RiceOne plu Location: Saint Joseph, LA
 Trial Year: 2018
 Protocol ID: SJ18-35 Investigator: Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							RICE Jun/7/18 INJURY % 13 DAT 0	RICE Jun/20/18 INJURY % 26 DAT 0	RICE Jul/5/18 INJURY % 41 DAT 0	ECHCG Jun/7/18 CONTROL % 13 DAT 0	ECHCG Jun/20/18 CONTROL % 26 DAT 0	ECHCG Jul/5/18 CONTROL % 41 DAT 0	LEPFA Jun/20/18 CONTROL % 26 DAT 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth								
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	1*	2*	3*	4*	5*	6*	7*
1	No RiceOne No Propanil								5 -	5 -	5 -	0 k	0 i	0 h	0 j
2	No RiceOne Propanil	4	LBA/GA L	1	lb ai/a	32	oz/a	EPOST	5 -	5 -	5 -	23 j	23 h	13 g	19 i
3	No RiceOne Propanil	4	LBA/GA L	2	lb ai/a	64	oz/a	EPOST	5 -	5 -	5 -	29 i	26 gh	19 ef	21 i
4	No RiceOne Propanil	4	LBA/GA L	4	lb ai/a	128	oz/a	EPOST	5 -	5 -	5 -	43 h	29 g	19 ef	38 h
5	RiceOne Agri-Dex No Propanil	3.63 100 %	LB/GAL %	0.68 1 %	lb v/v	24 19.2	oz/a oz/a	EPOST EPOST	5 -	5 -	5 -	41 h	38 f	19 ef	23 i
6	RiceOne Agri-Dex Propanil	3.63 100 % 4	LB/GAL % LBA/GA L	0.68 1 % 1	lb v/v lb ai/a	24 19.2 32	oz/a oz/a oz/a	EPOST EPOST EPOST	5 -	5 -	5 -	39 h	41 ef	18 ef	39 h
7	RiceOne Agri-Dex Propanil	3.63 100 % 4	LB/GAL % LBA/GA L	0.68 1 % 2	lb v/v lb ai/a	24 19.2 64	oz/a oz/a oz/a	EPOST EPOST EPOST	5 -	5 -	5 -	54 f	38 f	13 g	36 h
8	RiceOne Agri-Dex Propanil	3.63 100 % 4	LB/GAL % LBA/GA L	0.68 1 % 4	lb v/v lb ai/a	24 19.2 128	oz/a oz/a oz/a	EPOST EPOST EPOST	5 -	5 -	5 -	69 d	58 d	21 e	51 f
9	RiceOne Agri-Dex No Propanil	3.63 100 %	LB/GAL %	1.02 1 %	lb v/v	36 19.2	oz/a oz/a	EPOST EPOST	5 -	5 -	5 -	48 g	39 f	20 ef	39 h
10	RiceOne Agri-Dex Propanil	3.63 100 % 4	LB/GAL % LBA/GA L	1.02 1 % 1	lb v/v lb ai/a	36 19.2 32	oz/a oz/a oz/a	EPOST EPOST EPOST	5 -	5 -	5 -	55 f	46 e	16 fg	44 g
11	RiceOne Agri-Dex Propanil	3.63 100 % 4	LB/GAL % LBA/GA L	1.02 1 % 2	lb v/v lb ai/a	36 19.2 64	oz/a oz/a oz/a	EPOST EPOST EPOST	5 -	5 -	5 -	55 f	69 c	16 fg	64 d
12	RiceOne Agri-Dex	3.63 100 %	LB/GAL %	1.02 1 %	lb v/v	36 19.2	oz/a oz/a	EPOST EPOST	5 -	5 -	5 -	81 b	70 c	64 c	73 c

Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST							
13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	5 -	5 -	5 -	51 fg	56 d	36 d	59 e
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
No Propanil											
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	5 -	5 -	5 -	64 e	60 d	35 d	58 e
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST							
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	5 -	5 -	5 -	75 c	78 b	80 b	78 b
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST							
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	5 -	5 -	5 -	90 a	92 a	89 a	93 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST							
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST							
LSD P=.05					.	.	.	4.8	6.0	4.5	4.5
Standard Deviation					0.0	0.0	0.0	3.3	4.2	3.2	3.2
CV					0.0	0.0	0.0	6.56	8.82	10.72	6.91
Analyzed as					RCB	RCB	RCB	RCB	RCB	RCB	RCB
Replicate F					0.000	0.000	0.000	2.143	2.127	4.437	3.563
Replicate Prob(F)					1.0000	1.0000	1.0000	0.1080	0.1101	0.0081	0.0214
Treatment F					0.000	0.000	0.000	185.255	123.832	255.527	235.286
Treatment Prob(F)					1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Interactions of RiceOne plus Propanil Mixtures

Trial ID: SJ18-35 Interactions of RiceOne plu Location: Saint Joseph, LA
 Trial Year: 2018
 Protocol ID: SJ18-35 Investigator: Eric P. Webster

Pest Code	LEPFA					
Rating Date	Jul/5/18					
Rating Type	CONTROL					
Rating Unit	%					
Trt-Eval Interval	41 DAT					
Number of Decimals	0					
Trt No.	Treatment Name	Form Conc	Form Unit	Rate Rate	Other Rate Unit	Growth Stage
1	No RiceOne					0 i
2	No RiceOne					14 gh
	Propanil	4 LBA/GA	L	1 lb	ai/a	32 oz/a EPOST
3	No RiceOne					13 gh
	Propanil	4 LBA/GA	L	2 lb	ai/a	64 oz/a EPOST
4	No RiceOne					16 fg
	Propanil	4 LBA/GA	L	4 lb	ai/a	128 oz/a EPOST
5	RiceOne	3.63 LB/GAL		0.68 lb	ai/a	24 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	No Propanil					
6	RiceOne	3.63 LB/GAL		0.68 lb	ai/a	24 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	Propanil	4 LBA/GA	L	1 lb	ai/a	32 oz/a EPOST
7	RiceOne	3.63 LB/GAL		0.68 lb	ai/a	24 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	Propanil	4 LBA/GA	L	2 lb	ai/a	64 oz/a EPOST
8	RiceOne	3.63 LB/GAL		0.68 lb	ai/a	24 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	Propanil	4 LBA/GA	L	4 lb	ai/a	128 oz/a EPOST
9	RiceOne	3.63 LB/GAL		1.02 lb	ai/a	36 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	No Propanil					
10	RiceOne	3.63 LB/GAL		1.02 lb	ai/a	36 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	Propanil	4 LBA/GA	L	1 lb	ai/a	32 oz/a EPOST
11	RiceOne	3.63 LB/GAL		1.02 lb	ai/a	36 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST
	Propanil	4 LBA/GA	L	2 lb	ai/a	64 oz/a EPOST
12	RiceOne	3.63 LB/GAL		1.02 lb	ai/a	36 oz/a EPOST
	Agri-Dex	100 %		1 % v/v		19.2 oz/a EPOST

Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST	
13 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	44 c
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST	
No Propanil					
14 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	38 d
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST	
Propanil	4 LBA/GA L	1 lb ai/a	32 oz/a	EPOST	
15 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	93 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST	
Propanil	4 LBA/GA L	2 lb ai/a	64 oz/a	EPOST	
16 RiceOne	3.63 LB/GAL	1.42 lb ai/a	50 oz/a	EPOST	89 a
Agri-Dex	100 %	1 % v/v	19.2 oz/a	EPOST	
Propanil	4 LBA/GA L	4 lb ai/a	128 oz/a	EPOST	
LSD P=.05					4.1
Standard Deviation					2.9
CV					9.57
Analyzed as					RCB
Replicate F					2.872
Replicate Prob(F)					0.0466
Treatment F					375.511
Treatment Prob(F)					0.0001

Appendix I

ABBREVIATIONS USED IN RICE WEED CONTROL RESEARCH

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
Cotyl	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 per 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
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
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
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>
ECLAL	eclipta	<i>Eclipta prostrata</i>
HETLI	ducksalad	<i>Heteranthera limosa</i>
LEFPA	Amazon sprangletop	<i>Leptochloa panicoides</i>
MEOCO	redweed	<i>Melochia corchorifolia</i>
ORYSA	red rice	<i>Oryza sativa</i>
POLPE	ladysthumb	<i>Polygonum aviculare</i>
ROTRA	toothcup	<i>Rotala ramosior</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	Dow AgroScience	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
Duet		Riceco	propanil (4 lb ai/gal) + bensulfuron (14 g)	3',4'-dichloropropionanilide + methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino] sulfonyl]methyl]benzoate
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	Dow AgroScience	triclopyr	3,5,6-trichloro-2-pyridinyloxyacetic acid
Grasp	2 SC	Dow AgroScience	penoxsulam	(2-(2,2-difluoroethoxy)-6-trifluoromethyl-N-(5,8-dimethoxy[1,2,4]triazolo-[1,5c]pyrimidin-2-yl)benzenesulfonamide)
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	DuPont	bensulfuron	methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino]sulfonyl]methyl]

Trade Name	Formulation	Company	Common Name	Chemical Name
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
Newpath	2 SC	BASF	imazethapyr	2-[4,5-dihydro-4-methyl-4-(1-methylethyl-5-oxo-1 <i>H</i> -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- <i>H</i> -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- <i>H</i> -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(<i>R</i>)-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	RiceCo	propanil + thiobencarb	3',4'-dichloropropionanilide + S-[(4-chlorophenyl)methyl] diethylcarbamothioate
RiceOne	3.69 AS	RiceCo	pendimethalin + clomazone	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine + 2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone
RicePro	4 L	RiceCo	propanil + quinclorac	3',4'-dichloropropionanilide + 3,7-dichloro-8-quinolinecarboxylic acid
Riceshot	4 EC	RiceCo	propanil	3',4'-dichloropropionanilide
Ricestar HT	0.58 EC	Bayer	fenoxaprop-p-ethyl	(±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl) oxy]phenoxy] propanoate
Rogue Plus	79% DF	Gowan	benzobicyclon + halosulfuron	[3-(2-chloro-4-mesylbenzoyl)-2-phenylthiobicyclo[3.2.1]oct-2-en-4-one] + methyl 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl]-3-chloro-1-methyl-1- <i>H</i> -pyrazole-4-carboxylate
Roundup Weathermax	5.5 SL	Monsanto	glyphosate	N-(phosphonomethyl)glycine

Trade Name	Formulation	Company	Common Name	Chemical Name
Stam M4/SC	4 EC/4 SC	RiceCo	propanil	3',4'-dichloropropionanilide
Strada	50	Nichino	orthosulfamuron	N/A
Strada Pro	50	Nichino	orthosulfamuron + halosulfuron	N/A + methyl 5-[[[4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl]-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate
Strada XT	50	Nichino	orthosulfamuron + quinclorac	N/A + 3,7-dichloro-8-quinolinecarboxylic acid
Superwham	4 EC	RiceCo	propanil	3',4'-dichloropropionanilide

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

Weather Data

Crowley

Day	April			May			June			July			August		
	Hig h	Lo w	Rain	Hig h	Lo w	Rain	Hig h	Lo w	Rain	Hig h	Lo w	Rain	Hig h	Lo w	Rain
	F	F	Inche s	F	F	Inche s	F	F	Inche s	F	F	Inche s	F	F	Inche s
1	77	59	0	81	64	0	93	75	0	94	76	0	91	73	0
2	82	64	0	84	72	0	94	75	0	95	73	0.39	92	71	0
3	83	69	0.06	84	72	0	92	75	0	84	74	1.14	92	71	0.65
4	69	54	0.22	84	66	0	92	74	0.09	88	73	0	85	72	0.01
5	71	48	0.13	78	67	0	88	70	0.55	89	73	1	91	72	0.02
6	76	59	0	85	61	0	89	69	0	90	73	0.08	92	73	0.02
7	74	55	0	88	63	0	92	70	0	89	74	0.02	86	74	0.26
8	71	42	1.45	90	67	0	92	71	0	84	74	0.43	91	71	0.64
9	66	54	0	90	67	0	89	69	0	84	74	0.59	90	73	0.28
10	72	54	0	87	64	0	83	73	0	91	73	0	87	72	0.85
11	75	48	0	86	69	0	92	76	0	90	71	1.05	84	72	0.76
12	78	54	0	89	69	0	93	74	0	91	73	0	91	73	0
13	82	68	0	90	73	0	88	72	0.15	91	75	0	92	72	0
14	79	52	0	91	67	0	90	72	0	92	76	0	92	74	0
15	75	46	1.26	93	73	0	89	72	0.08	91	76	0	93	75	0
16	72	43	0	93	72	0	90	74	0.49	93	81	0.46	93	76	0
17	77	52	0	93	73		86	74	0.14	93	78	0	89	76	0.88
18	80	64	0	90	74	0	78	73	0.15	92	79	0	92	76	0.05
19	71	57	0	90	73	0	85	74	0.02	92	79	0	89	76	0.14
20	67	49	0	91	73	0	89	75	0	95	78	0	91	77	0.62
21	77	55	0	92	71	0	83	73	0.25	94	77	0	94	77	0.21
22	75	57	1.07	90	71	0.05	90	76	0	97	79	0	92	75	0
23	74	54	0	92	71	0	91	75	0	95	77	0.26	90	71	0
24	80	55	0	89	71	0	92	76	0.01	90	75	0	92	71	0
25	82	57	0	87	71	0	93	80	0	92	70	0	93	73	0
26	73	55	0.02	85	72	0.17	93	75	0	95	71	0	91	75	1.41
27	75	52	0	90	70	0	93	76	0.05	98	71	0	90	75	0.23
28	81	55	0	93	73	0	94	76	0	97	74	0.9	87	74	1.01
29	84	59	0	96	73	0	93	76	0	94	73	0.51	88	73	0.01
30	83	60	0	92	75	0	95	76	0	92	73	0.13	91	73	0.01
31				91	74	0				83	75	0	91	72	0