

Weed Science

Rice Annual Research Report

2014

Photo. Amazon Sprangletop growing near the edge of a rice field.



Eric P. Webster, J. Caleb Fish, Benjamin M. McKnight, and Eric Bergeron
School of Plant, Environmental and Soil Sciences



Weed Science

Annual Research Report

2014

Louisiana State University Agricultural Center

**William B. Richardson
Chancellor**

**Director
Louisiana Agricultural Experiment Station**

**Director
Louisiana Cooperative Extension Service**

**The Louisiana Agricultural Experiment Station provides equal opportunities in
programs and employment.**

Research Summary: 2014-306-18911

Table of Contents

Introduction	5
C14-02 Herbicide Programs for Provisia Rice	7
C14-04 rovisia Rice Rate and Timing Study.....	24
C14-05 Provisia Rice EPOST Tank-mix Study	35
C14-06 Sharpen with EC Tank-mix Study.....	48
C14-08 Sharpen with Londax Study	53
C14-09 Sharpen and Permit Tank-mixed at Different Rates	64
C14-10 Sharpen at Different Rates Compared with Aim	75
C14-11 Sharpen PRE with Command at Different Rates	81
C14-12 AG29980 Comparison Study.....	85
C13-13 Regiment with RiceShot Interactions	92
C14-16 Strada and Halomax at Different Rates in Drill-Seeded Rice	99
C14-17 Strada with RiceBeaux or Propanil following 3 Delayed PRE Programs in Drill-Seeded Rice	106
C14-18 Strada at Different Application Timings in Water-Seeded Rice	121
C14-19 Strada, Strada Pro, and Strada XT in a Clearfield Production System.....	127
C14-20 Clincher/RiceStar HT Comparison for the control of Nealley’s Sprangletop	138
C14-21 Clincher/RiceStar HT Timing for the Control of Nealley’s Sprangletop	145
C14-22 Program Study for the Control of Nealley’s Sprangletop.....	148
C14-23 Nealley’s Sprangletop Competition Study.....	165
C14-24 Nealley’s Sprangletop Removal Study.....	167
C14-25 Propanil with Newpath for Nealley’s Sprangletop Control	170
C14-26 RiceBeaux with Newpath for Nealley’s Sprangletop Control.....	176
C14-28 Provisia Herbicide Tank-mix Study	182
C14-29 Provisia Herbicide Rate Study.....	197
C14-30 Aim/Obey Combination Study in Clearfield Rice.....	202
C14-32 Conventional Hybrid Tolerance to Sharpen	215
C14-33 Clearfield Hybrid ‘CLXL 725’ Tolerance to Sharpen.....	223
C14-34 Clearfield Medium Grain Tolerance to Sharpen.....	230
C14-36 Evaluation of Command Applied EPOST	237
C14-37 Sharpen with RiceShot Interaction.....	246
C14-38 Sharpen with SuperWham Interaction.....	252
C14-39 Sharpen with RiceBeaux Interaction	261
C14-44 GWN-10235 Application Timing in Water-Seeded Rice	266
C14-46 GWN-10235 Rate Study.....	272
C14-49 Sharpen and Duet Interactions.....	275
C14-59 Aim/Obey Combinations in Conventional Rice	282
C14-61 League Programs with Command and Bolero in Drill-Seeded Rice	286
C14-69 Londax/Halomax Combination Evaluation	291
C14-71 Evaluation of RebelEx with Newpath or Beyond Applied POST Flood.....	302
SJ14-01 Sharpen Residual Weed Control in Rice	306
SJ14-02 Provisia Rice EPOST Tank-mix Study.....	310
SJ14-03 Sharpen with Propanil Interaction	317
SJ14-04 Sharpen with RiceBeaux Interaction	322

SJ14-05 Aim/Obey Combination Study.....	325
SJ14-06 V-10387 at Different Rates in Drill-Seeded Rice.....	330
SJ14-07 Rebel Ex and Clincher Comparison.....	334
SJ14-08 Winfield Adjuvant Study with Permit.....	338
Appendix I Abbreviations	
Abbreviations Used in Rice Weed Control Research	342
Abbreviations for Common Rice Weeds of Louisiana	344
Appendix II List of Chemicals	
Herbicides.....	345
Spray Adjuvants.....	347
Appendix III Weather Data	
2014 Weather data for Rice Research Station, Crowley, LA	348

Introduction

This report summarizes the 2014 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

S. D. Linscombe, Regional Director
Southwest Region

Larry White, Dustin Harrell, John Sonnier, Elizabeth Guillen, John Lewis, Chandler White, Faulkner Webster,
Malori Lansing, Bill Leonards, Karen Bearb,
and the staff of the LSU Agricultural Center Rice Research Station

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

P. Loewer, Jr., Branch (Chairman)
C. A. Berken, Lake Arthur (Vice-Chairman)
R. B. Fontenot, Ville Platte (Secretary/Treasure)
D. J. Berken, Welsh
R. D. Bollich, Jones
Jude Doise, Elton
M. F. Fruge, Eunice
D. L. Hebert, Maurice
P. Lamartiniere, Marksville
S. J. Noel, Abbeville
R. J. Sonnier, Kinder
M. Strain, Baton Rouge
J. A. Waller, Mer Rouge
B. T. Wild, Welsh
F. C. Zaunbrecher, Duson

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

Aceto Agricultural Chemicals Corp
BASF Corporation
Bayer CropScience
Dow AgroSciences, LLC
E. I. DuPont de Nemours & Company
FMC Corporation
Gowan Co
Helena
Isagro
Nichino
Riceco
Syngenta
Valent USA Corporation
Winfield Solutions

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Herbicide Programs for Provisia Rice

Experiment number: **C14-02**
 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: CL 151, Provisia, and CLXL 745
 Planting date: 4/16/14
 Emergence date: 5/7/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	DPRE	1-2LF	1-2 Tiller
Date applied [mm/dd/yy]	5/1/14	5/12/14	5/26/14
Time [hh:mm-hh:mm]	10:10-10:15A	10:30-10:40A	3:00-3:08P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	63/60	82/79	86/87
Relative humidity [%]	42	72	51
Wind [mph, direction]	5-7, N	7-9/SSE	6-8/SE
Weather [sunny, etc]	sunny	pt. cloudy	cloudy
Soil/Leaf surface moist	wet/dry	dry/dry	wet/dry
Crop stage/Height	N/A	1-2lf/4-6"	1-2 Tiller/5-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22
Applied by	JCF	BMM	BMM

Weed Species (population)	(height/#leaves) -----		
SEBEX(3-10m ⁻²)	0.25-0.5"/cot	1-3"/cot-4lf	7-14"/7-14lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf	3-7"/9-15lf	3-7"/9-15lf
CYPES(2-5m ⁻²)		0.5-2"/1-3lf	7-12"/9-15lf
ECHCG(20-50m ⁻²)		0.5-2"/1-3lf	6-10"/1-2tiller

Flush Dates.....: 4/17, 5/1, 5/8, 5/15, 5/22, 5/29
 Permanent Flood: 6/5

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						CLXL-745	CLXL-745	CLXL 745	CLXL 745	CL 151
Rating Date						6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						7 DAT	22 DAT	34 DAT	49 DAT	7 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 Nontreated							0 c	0 c	0 b	0 b
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A DPRE	75 a	97 ab	99 a	94 a
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A 1-3LF				86 a
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A 1-3LF				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	0.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A DPRE	70 ab	97 b	99 a	97 a
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A DPRE				75 b
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A DPRE				
Agri-Dex	100 %		1 %	V/V	1 %	V/V DPRE				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	63 b	98 a	99 a	97 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A 1-3LF				75 b
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2 TIL				
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A 1-2 TIL				
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A 1-2 TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	63 b	97 ab	99 a	96 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A 1-3LF				80 ab
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						CLXL-745	CLXL-745	CLXL 745	CLXL 745	CL 151
Rating Date						6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						7 DAT	22 DAT	34 DAT	49 DAT	7 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	Rate Unit	Rate Unit	Stage				
6 Facet L	1.5 LBA/GAL	0.188 LB AI/A	16 FL OZ/A	1-3LF			69 ab	97 ab	97 a	96 a
Ricebeaux	6 LBA/GAL	4.5 LB AI/A	96 FL OZ/A	1-3LF						83 ab
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3LF						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	1-2TIL						
Permit Plus	75 %AW/W	0.035 LB AI/A	0.75 OZ WT/A	1-2TIL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2TIL						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	POSTFL						
Agri-Dex	100 %	1 % V/V	1 % V/V	POSTFL						
LSD (P=.05)						11.7	1.0	2.8	3.6	7.6
Standard Deviation						7.7	0.7	1.9	2.4	5.0
CV						13.71	0.81	2.29	2.95	7.6
Replicate F						0.666	0.613	0.859	0.220	0.804
Replicate Prob(F)						0.5857	0.6171	0.4837	0.8810	0.5110
Treatment F						52.578	14615.400	1825.282	1107.108	169.349
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

Herbicide Programs for Provisia Rice

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								CL 151 6/19/2014 CONTROL % 22 DAT 0	CL 151 7/1/2014 CONTROL % 34 DAT 0	CL 151 7/15/2014 CONTROL % 49 DAT 0	RED RICE 6/2/2014 CONTROL % 7 DAT 0	RED RICE 6/19/2014 CONTROL % 22 DAT 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1	Nontreated							0 a	0 b	0 b	0 c	0 b
2	Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	DPRE				
	Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A	1-3LF				
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A	1-3LF				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF				
	Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL				
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL				
3	Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A	DPRE	98 a	99 a	97 a	71 b
	Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A	DPRE				
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	DPRE				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	DPRE				
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL				
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL				
4	Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	99 a	98 a	75 b
	Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A	1-3LF				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF				
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2 TIL				
	Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A	1-2 TIL				
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	1-2 TIL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL				
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL				
5	Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	99 a	97 a	73 b
	Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A	1-3LF				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF				
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL				
	Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A	1-2TIL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL				
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL				
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL				

LSU AgCenter SPSS

Herbicide Programs for Provisia Rice

Trial ID: C14-02	Location: RRS-Crowley, LA	Trial Year: 2014
Protocol ID: C14-02	Investigator: Eric P. Webster	

Pest Code							CL 151	CL 151	CL 151	RED RICE	RED RICE
Rating Date							6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22 DAT	34 DAT	49 DAT	7 DAT	22 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					
6 Facet L	1.5 LBA/GAL	0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	99 a	97 a	83 a	98 a
Ricebeaux	6 LBA/GAL	4.5 LB	AI/A	96 FL	OZ/A	1-3LF					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-3LF					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL					
Permit Plus	75 %AW/W	0.035 LB	AI/A	0.75 OZ	WT/A	1-2TIL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-2TIL					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	POSTFL					
LSD (P=.05)							0.0	0.7	2.0	6.9	0.3
Standard Deviation							0.0	0.4	1.3	4.6	0.2
CV							0.0	0.54	1.64	7.11	0.25
Replicate F							0.000	1.338	0.660	1.118	1.000
Replicate Prob(F)							1.0000	0.2994	0.5891	0.3728	0.4199
Treatment F							0.000	32963.028	3573.264	196.184	153508.200
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date						7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	INJ	INJ	INJ
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	7 DAT	22 DAT	34 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 Nontreated								0 a	0 b	0 c
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	DPRE	99 a	97 a	11 a
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A	1-3LF			0 a
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A	1-3LF			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A	DPRE	99 a	98 a	10 ab
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A	DPRE			0 a
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	DPRE			0 a
Agri-Dex	100 %		1 %	V/V	1 %	V/V	DPRE			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	99 a	98 a	13 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A	1-3LF			0 a
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2 TIL			
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A	1-2 TIL			
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	1-2 TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	99 a	98 a	5 bc
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A	1-3LF			0 a
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date						7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	INJ	INJ	INJ
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	7 DAT	22 DAT	34 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				
6 Facet L	1.5 LBA/GAL	0.188 LB AI/A	16 FL OZ/A	1-3LF			99 a	98 a	5 bc	0 a
Ricebeaux	6 LBA/GAL	4.5 LB AI/A	96 FL OZ/A	1-3LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3LF						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	1-2TIL						
Permit Plus	75 %AW/W	0.035 LB AI/A	0.75 OZ WT/A	1-2TIL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2TIL						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	POSTFL						
Agri-Dex	100 %	1 % V/V	1 % V/V	POSTFL						
LSD (P=.05)						0.0	1.5	5.9	0.0	0.0
Standard Deviation						0.0	1.0	3.9	0.0	0.0
CV						0.0	1.23	53.97	0.0	0.0
Replicate F						0.000	0.702	0.247	0.000	0.000
Replicate Prob(F)						1.0000	0.5651	0.8624	1.0000	1.0000
Treatment F						0.000	6330.983	5.879	0.000	0.000
Treatment Prob(F)						1.0000	0.0001	0.0033	1.0000	1.0000

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						PROVISIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date						7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJ	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	7 DAT	22 DAT	34 DAT	49 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 Nontreated								0 a	0 b	0 b
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	DPRE	0 a	98 a	98 a
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A	1-3LF			
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A	1-3LF			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A	DPRE	0 a	98 a	98 a
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A	DPRE			
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	DPRE			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	DPRE			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	0 a	98 a	98 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A	1-3LF			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2 TIL			
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A	1-2 TIL			
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	1-2 TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	0 a	98 a	98 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A	1-3LF			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A	1-2TIL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						PROVISIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date						7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJ	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	7 DAT	22 DAT	34 DAT	49 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	Rate Unit	Rate Unit	Stage				
6 Facet L	1.5 LBA/GAL	0.188 LB AI/A	16 FL OZ/A	1-3LF			0 a	98 a	98 a	98 a
Ricebeaux	6 LBA/GAL	4.5 LB AI/A	96 FL OZ/A	1-3LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3LF						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	1-2TIL						
Permit Plus	75 %AW/W	0.035 LB AI/A	0.75 OZ WT/A	1-2TIL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2TIL						
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	POSTFL						
Agri-Dex	100 %	1 % V/V	1 % V/V	POSTFL						
LSD (P=.05)						0.0	0.7	0.6	0.6	1.2
Standard Deviation						0.0	0.4	0.4	0.4	0.8
CV						0.0	0.55	0.45	0.51	0.96
Replicate F						0.000	0.000	2.500	2.143	1.545
Replicate Prob(F)						1.0000	1.0000	0.0991	0.1375	0.2439
Treatment F						0.000	32144.333	48216.500	36773.571	10499.073
Treatment Prob(F)						1.0000	0.0001	0.0001	0.0001	0.0001

Herbicide Programs for Provisia Rice

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							BRAPP 6/2/2014 CONTROL %	BRAPP 6/19/2014 CONTROL %	BRAPP 7/1/2014 CONTROL %	BRAPP 7/15/2014 CONTROL %	SEBEX 6/2/2014 CONTROL %
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	Nontreated							0 b	0 b	0 b	0 b
2	Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	DPRE	98 a	98 a	98 a
	Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A	1-3LF			
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A	1-3LF			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
	Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
3	Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A	DPRE	98 a	98 a	98 a
	Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A	DPRE			
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	DPRE			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	DPRE			
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
	Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
4	Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	98 a	98 a
	Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A	1-3LF			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2 TIL			
	Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A	1-2 TIL			
	Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A	1-2 TIL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			
5	Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	98 a	98 a
	Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A	1-3LF			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3LF			
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL			
	Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A	1-2TIL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2TIL			
	Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL			
	Agri-Dex	100 %		1 %	V/V	1 %	V/V	POSTFL			

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02	Location: RRS-Crowley, LA	Trial Year: 2014
Protocol ID: C14-02	Investigator: Eric P. Webster	

Pest Code							BRAPP	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							7 DAT	22 DAT	34 DAT	49 DAT	7 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					
6 Facet L	1.5 LBA/GAL	0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	98 a	98 a	98 a	97 a
Ricebeaux	6 LBA/GAL	4.5 LB	AI/A	96 FL	OZ/A	1-3LF					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-3LF					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL					
Permit Plus	75 %AW/W	0.035 LB	AI/A	0.75 OZ	WT/A	1-2TIL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-2TIL					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	POSTFL					
LSD (P=.05)							0.6	0.9	0.6	0.7	1.2
Standard Deviation							0.4	0.6	0.4	0.5	0.8
CV							0.52	0.76	0.45	0.57	0.98
Replicate F							0.625	0.143	2.500	0.696	0.065
Replicate Prob(F)							0.6098	0.9327	0.0991	0.5686	0.9776
Treatment F							36162.375	16498.543	48216.500	29325.759	9989.364
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						SEBEX	SEBEX	SEBEX	CYPES	CYPES
Rating Date						6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						22 DAT	34 DAT	49 DAT	7 DAT	22 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 Nontreated							0 b	0 b	0 b	0 c
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A DPRE	98 a	98 a	98 a	41 c
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A 1-3LF				34 b
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A 1-3LF				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A DPRE	98 a	98 a	96 a	49 b
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A DPRE				45 b
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A DPRE				
Agri-Dex	100 %		1 %	V/V	1 %	V/V DPRE				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	98 a	98 a	98 a	96 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A 1-3LF				98 a
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2 TIL				
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A 1-2 TIL				
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A 1-2 TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	98 a	98 a	98 a	96 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A 1-3LF				98 a
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02	Location: RRS-Crowley, LA	Trial Year: 2014
Protocol ID: C14-02	Investigator: Eric P. Webster	

Pest Code							SEBEX	SEBEX	SEBEX	CYPES	CYPES
Rating Date							6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22 DAT	34 DAT	49 DAT	7 DAT	22 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					
6 Facet L	1.5 LBA/GAL	0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	98 a	97 a	94 a	97 a
Ricebeaux	6 LBA/GAL	4.5 LB	AI/A	96 FL	OZ/A	1-3LF					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-3LF					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL					
Permit Plus	75 %AW/W	0.035 LB	AI/A	0.75 OZ	WT/A	1-2TIL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-2TIL					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	POSTFL					
LSD (P=.05)							0.5	0.3	3.1	5.6	13.0
Standard Deviation							0.4	0.2	2.0	3.7	8.6
CV							0.44	0.25	2.51	5.98	13.88
Replicate F							4.574	25.000	0.252	1.434	0.492
Replicate Prob(F)							0.0182	0.0001	0.8590	0.2722	0.6933
Treatment F							49292.234	154449.000	1529.274	442.765	94.855
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date						7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	7 DAT	22 DAT	34 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 Nontreated							0 d	0 d	0 c	0 c
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A DPRE	45 c	43 c	91 ab	75 b
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A 1-3LF				
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A 1-3LF				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A DPRE	54 b	63 b	89 b	81 b
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A DPRE				
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A DPRE				
Agri-Dex	100 %		1 %	V/V	1 %	V/V DPRE				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	98 a	98 a	98 a	98 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A 1-3LF				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2 TIL				
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A 1-2 TIL				
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A 1-2 TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF	98 a	98 a	97 ab	98 a
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A 1-3LF				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL				
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A 1-2TIL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL				
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL				

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02	Location: RRS-Crowley, LA	Trial Year: 2014
Protocol ID: C14-02	Investigator: Eric P. Webster	

Pest Code							CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							34 DAT	49 DAT	7 DAT	22 DAT	34 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					
6 Facet L	1.5 LBA/GAL	0.188 LB	AI/A	16 FL	OZ/A	1-3LF	98 a	98 a	94 ab	98 a	98 a
Ricebeaux	6 LBA/GAL	4.5 LB	AI/A	96 FL	OZ/A	1-3LF					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-3LF					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	1-2TIL					
Permit Plus	75 %AW/W	0.035 LB	AI/A	0.75 OZ	WT/A	1-2TIL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	1-2TIL					
Provisia	0.88 LBA/GAL	0.107 LB	AI/A	15.5 FL	OZ/A	POSTFL					
Agri-Dex	100 %	1 %	V/V	1 %	V/V	POSTFL					
LSD (P=.05)							4.2	7.3	8.4	8.3	5.1
Standard Deviation							2.8	4.8	5.6	5.5	3.4
CV							4.22	7.23	7.18	7.32	4.48
Replicate F							2.446	0.783	0.942	0.469	1.351
Replicate Prob(F)							0.1041	0.5218	0.4452	0.7084	0.2957
Treatment F							842.913	277.350	187.590	192.855	503.776
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code						CYPIR
Rating Date						7/15/2014
Rating Type						CONTROL
Rating Unit						%
Trt-Eval Interval						49 DAT
Number of Decimals						0
Trt Treatment	Form	Form	Rate	Other	Other	Growth
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage
1 Nontreated						0 d
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL	OZ/A DPRE
Facet L	1.5 LBA/GAL		.375 LB	AI/A	32 FL	OZ/A 1-3LF
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	.75 FL	OZ/A 1-3LF
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF
Provisia	.88 LBA/GAL		.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL
3 Facet L	1.5 LBA/GAL		.188 LB	AI/A	16 FL	OZ/A DPRE
Prowl H2O	3.75 LBA/GAL		0.94 LB	AI/A	32 FL	OZ/A DPRE
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A DPRE
Agri-Dex	100 %		1 %	V/V	1 %	V/V DPRE
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL
Provisia	0.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL
4 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF
Permit Plus	75 %AW/W		0.035 LB	AI/A	.75 OZ	WT/A 1-3LF
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2 TIL
Basagran	4 LBA/GAL		.0234 LB	AI/A	.75 FL	OZ/A 1-2 TIL
Sharpen	2.85 LBA/GAL		0.017 LB	AI/A	0.75 FL	OZ/A 1-2 TIL
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL
5 Facet L	1.5 LBA/GAL		0.188 LB	AI/A	16 FL	OZ/A 1-3LF
Permit Plus	75 %AW/W		0.035 LB	AI/A	0.75 OZ	WT/A 1-3LF
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-3LF
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A 1-2TIL
Grasp	2 LBA/GAL		.036 LB	AI/A	2.3 FL	OZ/A 1-2TIL
Agri-Dex	100 %		1 %	V/V	1 %	V/V 1-2TIL
Provisia	.88 LBA/GAL		0.107 LB	AI/A	15.5 FL	OZ/A POSTFL
Agri-Dex	100 %		1 %	V/V	1 %	V/V POSTFL

LSU AgCenter SPESS

Herbicide Programs for Provisia Rice

Trial ID: C14-02 Location: RRS-Crowley, LA Trial Year: 2014
 Protocol ID: C14-02 Investigator: Eric P. Webster

Pest Code	CYPIR						
Rating Date	7/15/2014						
Rating Type	CONTROL						
Rating Unit	%						
Trt-Eval Interval	49 DAT						
Number of Decimals	0						
Trt Treatment	Form	Form	Rate	Other	Other	Growth	
No. Name	Conc Unit	Rate Unit	Rate	Rate	Unit Stage		
6 Facet L	1.5 LBA/GAL	0.188 LB AI/A	16 FL OZ/A	1-3LF		98 a	
Ricebeaux	6 LBA/GAL	4.5 LB AI/A	96 FL OZ/A	1-3LF			
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3LF			
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	1-2TIL			
Permit Plus	75 %AW/W	0.035 LB AI/A	0.75 OZ WT/A	1-2TIL			
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2TIL			
Provisia	0.88 LBA/GAL	0.107 LB AI/A	15.5 FL OZ/A	POSTFL			
Agri-Dex	100 %	1 % V/V	1 % V/V	POSTFL			
LSD (P=.05)	5.0						
Standard Deviation	3.3						
CV	4.36						
Replicate F	0.442						
Replicate Prob(F)	0.7264						
Treatment F	548.747						
Treatment Prob(F)	0.0001						

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Rice Rate and Timing Study

Experiment number : **C14-04**
 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 : CL 151, Provisia, and CLXL 745
 Planting date : 4/16/14
 Emergence date..... : 5/7/14
 Harvest date..... : N/A
 Uniform std. treatment..... : N/A

Application type	1-3LF	1-2tiller	P.I.
Date applied [mm/dd/yy]	5/12/14	5/26/14	6/30/14
Time [hh:mm-hh:mm]	11:00-11:10A	2:10-2:40P	10:00-10:10A
Incorporation equip./Depth ..	N/A	N/A	N/A
Air/Soil temperature [F]	83/79	86/87	85/84
Relative humidity [%]	74	51	74
Wind [mph, direction]	6-9/SSE	6-8/SSE	5-7/SSW
Weather [sunny, etc]	pt. cloudy	cloudy	partly cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	flood/dry
Crop stage/Height	1-3lf/1-3"	1-2til/7-12"	PI/24"
Sprayer type/MPH	CO ₂ BkPk/3	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	AMFF/110015	FF110015	FF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/23
Applied by	BMM	BMM	BMM

Weed Species (population) ..	(height/#leaves) -----		
BRAPP(100-200m ⁻²)	0.5-3"/1-3lf	5-10"/1-2 tiller	18-24"/Tiller
ECHCG(20-50m ⁻²)	0.5-2"/1-3lf	6-10"/1-2tiller	18-24"/Tiller

Flush Dates : 4/17, 5/1, 5/8, 5/15, 5/22, 5/29

Permanent Flood..... : 6/5

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code								CLXL 745	CLXL 745	CLXL 745	CLXL 745	CL 151
Rating Date								6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								7 DAT	22 DAT	34 DAT	49 DAT	7 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						0f	0d	0e	0c	0c	
2	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	97ab	97a	99a	95ab	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
3	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	97ab	98a	94bc	96a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
4	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	97ab	98a	99a	93ab	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.143LB	AI/A	20.7FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
5	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	95abc	98a	97ab	93ab	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
6	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	98a	97ab	92bc	91ab	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
7	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	98a	97a	94bc	94ab	99a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
8	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	89bcd	96ab	99a	92ab	88b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
9	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	88cd	94ab	92bc	91ab	90b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
10	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL	81d	93ab	91c	91ab	89b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
11	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	91abc	92b	97ab	88b	97a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID: C14-04 Location: RRS-Crowley, LA
 Protocol ID: C14-04 Investigator: Eric P. Webster

Pest Code	CLXL 745	CLXL 745	CLXL 745	CLXL 745	CL 151
Rating Date	6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	7 DAT	22 DAT	34 DAT	49 DAT	7 DAT
Number of Decimals	0	0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other
No. Name	Conc	Unit	Rate	Unit	Rate
12Newpath	2LB/GAL	0.0625LB	AI/A	4FL	OZ/A
Agri-Dex	100%	1%	V/V	1%	V/V
Newpath	2LB/GAL	0.0625LB	AI/A	4FL	OZ/A
Agri-Dex	100%	1%	V/V	1%	V/V
Growth Stage	1-3	LF	1-3	LF	1-2
					TILL
LSD (P=.05)	8.6	5.5	5.2	6.5	3.9
Standard Deviation	5.9	3.8	3.6	4.5	2.7
CV	7.35	4.58	4.45	5.89	3.39
Replicate F	1.065	0.886	0.425	3.824	1.432
Replicate Prob(F)	0.3774	0.4586	0.7367	0.0187	0.2509
Treatment F	108.468	279.493	317.216	252.611	768.274
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID: C14-04 Location: RRS-Crowley, LA

Protocol ID: C14-04 Investigator: Eric P. Webster

Pest Code									CL 151	CL 151	CL-151	RED RICE	RED RICE
Rating Date									6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAT	34 DAT	49 DAT	7 DAT	22 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								0b	0b	0b	0d	0c
2	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3	LF	97a	97a	95a	98a	98a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
3	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3	LF	98a	97a	96a	98a	98ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
4	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3	LF	98a	97a	97a	98a	98ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	.143LB	AI/A	20.7FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
5	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3	LF	97a	98a	93a	98a	98a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
6	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3	LF	98a	99a	96a	98a	98a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
7	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3	LF	97a	98a	93a	98a	98ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
8	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2	TILL	97a	96a	96a	84bc	98ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	PI						
	Agri-Dex	100%	1%	V/V	1%	V/V	PI						
9	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2	TILL	97a	98a	97a	85bc	97ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	PI						
	Agri-Dex	100%	1%	V/V	1%	V/V	PI						
10	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2	TILL	97a	98a	95a	81c	97ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	PI						
	Agri-Dex	100%	1%	V/V	1%	V/V	PI						
11	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3	LF	96a	98a	97a	97a	96b
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3	LF					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-2	TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2	TILL					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	PI						
	Agri-Dex	100%	1%	V/V	1%	V/V	PI						

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
 Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code			CL 151	CL 151	CL-151	RED RICE	RED RICE
Rating Date			6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type			CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%	%
Trt-Eval Interval			22 DAT	34 DAT	49 DAT	7 DAT	22 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
12Newpath	2LB/GAL	0.0625	LB AI/A	4FL	OZ/A	1-3 LF	
Agri-Dex	100%		1% V/V	1%	V/V	1-3 LF	
Newpath	2LB/GAL	0.0625	LB AI/A	4FL	OZ/A	1-2 TILL	
Agri-Dex	100%		1% V/V	1%	V/V	1-2 TILL	
LSD (P=.05)			2.1	3.3	4.8	8.6	1.8
Standard Deviation			1.5	2.3	3.3	6.0	1.3
CV			1.83	2.78	4.16	7.0	1.41
Replicate F			0.369	1.900	1.511	0.713	1.761
Replicate Prob(F)			0.7760	0.1489	0.2298	0.5511	0.1739
Treatment F			2619.277	1128.102	504.303	85.659	1989.542
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
 Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code								RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date								7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								34 DAT	49 DAT	7 DAT	22 DAT	34 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						0c	0b	0e	0b	0b	
2	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	97b	98a	13bcd	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
3	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	99a	96a	14bc	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
4	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	99a	95a	19b	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.143LB	AI/A	20.7FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
5	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	99a	97a	15bc	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
6	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	99a	98a	10cd	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
7	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	99a	95a	14bc	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
8	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	99a	95a	11cd	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
9	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	99a	97a	13bcd	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
10	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL	98ab	95a	15bc	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						
11	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	99a	98a	6de	0b	0b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF						
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-2 TILL						
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL						
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A PI						
	Agri-Dex	100%	1%	V/V	1%	V/V PI						

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
 Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date						7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	7 DAT	22 DAT	34 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				
12Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A	1-3 LF	99a	95a	86a	96a
Agri-Dex	100%		1% V/V		1% V/V	1-3 LF				
Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A	1-2 TILL				
Agri-Dex	100%		1% V/V		1% V/V	1-2 TILL				
LSD (P=.05)							1.5	4.0	6.6	1.7
Standard Deviation							1.0	2.8	4.6	1.2
CV							1.13	3.15	25.55	14.43
Replicate F							0.133	0.852	1.922	1.000
Replicate Prob(F)							0.9400	0.4757	0.1453	0.4051
Treatment F							3087.058	400.282	92.729	2304.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
 Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code								PROVISIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date								7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type								INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	7 DAT	22 DAT	34 DAT	49 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							0b	0e	0b	0c	0c
2	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3 LF	0b	96abc	98a	98a	97a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
3	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3 LF	0b	98a	96a	98a	91b
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
4	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3 LF	0b	98a	98a	98a	97a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	.143LB	AI/A	20.7FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
5	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3 LF	0b	98a	98a	98a	94ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
6	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3 LF	0b	98a	98a	98a	95ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
7	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-3 LF	0b	97ab	98a	98a	98a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
8	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2 TILL	0b	95a-d	97a	98a	95ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	PI					
	Agri-Dex	100%	1%	V/V	1%	V/V	PI					
9	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A	1-2 TILL	0b	94bcd	98a	98a	95ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A	PI					
	Agri-Dex	100%	1%	V/V	1%	V/V	PI					
10	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	1-2 TILL	0b	93cd	98a	98a	95ab
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A	PI					
	Agri-Dex	100%	1%	V/V	1%	V/V	PI					
11	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-3 LF	0b	97ab	96a	97b	96a
	Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A	PI					
	Agri-Dex	100%	1%	V/V	1%	V/V	PI					

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA

Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code						PROVISTIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date						7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	7 DAT	22 DAT	34 DAT	49 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				
12Newpath	2LB/GAL	0.0625	LB AI/A	4FL	OZ/A	1-3 LF	98a	93d	96a	98a
Agri-Dex	100%		1% V/V	1%	V/V	1-3 LF				91b
Newpath	2LB/GAL	0.0625	LB AI/A	4FL	OZ/A	1-2 TILL				
Agri-Dex	100%		1% V/V	1%	V/V	1-2 TILL				
LSD (P=.05)						0.2	3.6	3.0	0.7	4.6
Standard Deviation						0.1	2.5	2.1	0.5	3.2
CV						1.76	2.83	2.31	0.52	3.65
Replicate F						1.000	0.251	1.132	0.379	3.307
Replicate Prob(F)						0.4051	0.8599	0.3504	0.7685	0.0321
Treatment F						154449.000	499.723	744.359	14559.069	300.258
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
 Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP
Rating Date								6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								7 DAT	22 DAT	34 DAT	49 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					
1	Nontreated						0c	0c	0a	0c	
2	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	98a	98b	98a	97a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
3	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	98a	98a	98a	93b	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
4	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	98a	98b	98a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	.143LB	AI/A	20.7FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
5	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	98a	98b	98a	97a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
6	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	98a	98b	98a	97a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
7	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-3 LF	98a	98b	98a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
8	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	93b	98b	98a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI					
	Agri-Dex	100%	1%	V/V	1%	V/V PI					
9	Provisia	106G/L	.089LB	AI/A	12.9FL	OZ/A 1-2 TILL	94b	98b	98a	97a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
	Provisia	106G/L	0.125LB	AI/A	18.1FL	OZ/A PI					
	Agri-Dex	100%	1%	V/V	1%	V/V PI					
10	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A 1-2 TILL	93b	98b	98a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
	Provisia	106G/L	.107LB	AI/A	15.5FL	OZ/A PI					
	Agri-Dex	100%	1%	V/V	1%	V/V PI					
11	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-3 LF	98a	98b	98a	98a	
	Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A 1-2 TILL					
	Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
	Provisia	106G/L	.0714LB	AI/A	10.34FL	OZ/A PI					
	Agri-Dex	100%	1%	V/V	1%	V/V PI					

LSU AgCenter SPESS

Provisia Rice Rate and Timing Study

Trial ID:C14-04 Location:RRS-Crowley, LA
Protocol ID:C14-04 Investigator:Eric P. Webster

Pest Code					BRAPP	BRAPP	BRAPP	BRAPP
Rating Date					6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					7 DAT	22 DAT	34 DAT	49 DAT
Number of Decimals					0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other			
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Growth
12Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A	1-3	LF
Agri-Dex	100%		1%	V/V	1%	V/V	1-3	LF
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A	1-2	TILL
Agri-Dex	100%		1%	V/V	1%	V/V	1-2	TILL
LSD (P=.05)					2.6	0.2	0.0	2.1
Standard Deviation					1.8	0.1	0.0	1.5
CV					2.01	0.16	0.0	1.64
Replicate F					2.168	1.000	0.000	0.850
Replicate Prob(F)					0.1104	0.4051	1.0000	0.4768
Treatment F					989.976	153736.273	0.000	1486.364
Treatment Prob(F)					0.0001	0.0001	1.0000	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Rice EPOST Tank-mix Study

Experiment number: **C14-05**
 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: CL 151, Provisia, and CLXL 745
 Planting date: 4/16/14
 Emergence date: 5/7/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	PRE	EPOST	1-2 tiller
Date applied [mm/dd/yy]	4/17/14	5/12/14	5/26/14
Time [hh:mm-hh:mm]	9:00-9:15A	10:50-11:00A	2:00-2:10P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	75/73	83/81	86/87
Relative humidity [%]	73	74	51
Wind [mph, direction]	5-8/SE	5-8/SE	5-8/SSE
Weather [sunny, etc]	sunny	cloudy	cloudy
Soil/Leaf surface moist	dry/NA	wet/dry	wet/dry
Crop stage/Height	NA	1-3lf/1-4"	1-2 til/5-9"
Sprayer type/MPH	CO ₂ BkPk/3.0	CO ₂ BkPk/3.0	CO ₂ BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/23	15/22	15/22
Applied by	BMM	BMM	BMM

Weed Species (population)	(height/#leaves)	
SEBEX(10-15m ⁻²)	1-2"/cot-3lf	7-12"/7-14lf
CYPES(2-5m ⁻²)	1-2"/1-3lf	6-15"/9-15lf
BRAPP(20-50m ⁻²)	1-3"/1-4lf	6-10"/1-2 till
ECHCG(20-50m ⁻²)	1-3"/1-4lf	6-10"/1-2 till

Flush Dates.....: 4/17, 5/1, 5/8, 5/15, 5/22, 5/29
 Permanent Flood: 6/5

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: C14-05 Location: RRS-Crowley, LA
 Protocol ID: C14-05 Investigator: Eric P. Webster

Pest Code						CLXL 745	CLXL 745	CLXL 745	CLXL 745	CL 151
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014	6/3/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	22 DAT	34 DAT	49 DAT	8 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						0c	0c	0b	0b	0c
2 Command	3 LBA/GAL	0.3 LB AI/A	12.8 FL OZ/A	PRE		97 ab	93 b	95 a	90 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
3 Command	3 LBA/GAL	0.3 LB AI/A	12.8 FL OZ/A	PRE		95 b	97 a	96 a	92 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Facet L	1.5 LBA/GAL	.375 LB AI/A	32 FL OZ/A	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
4 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		97 ab	97 a	92 a	91 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Facet L	1.5 LBA/GAL	.375 LB AI/A	32 FL OZ/A	1-3 LF						
Sharpen	2.85 LBA/GAL	.0167 LB AI/A	0.75 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
5 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		98 a	97 a	95 a	90 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Grasp	240 GA/L	.036 LB AI/A	2.3 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
6 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		97 ab	95 ab	96 a	90 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Permit	75 % AW/W	.047 LB AI/A	1 OZ WT/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
7 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		96 ab	96 ab	93 a	93 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Sharpen	2.85 LBA/GAL	.0167 LB AI/A	.75 FL OZ/A	1-3 LF						
Basagran	480 GA/L	0.5 LB AI/A	16 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						
8 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		98 ab	95 ab	93 a	91 a	98 a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
RiceBeaux	720 GA/L	6 LB AI/A	128 FL OZ/A	1-3 LF						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100 %	1 % V/V	1 % V/V	1-2 TILL						

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: C14-05 Location: RRS-Crowley, LA
 Protocol ID: C14-05 Investigator: Eric P. Webster

Pest Code						CLXL 745	CLXL 745	CLXL 745	CLXL 745	CL 151
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014	6/3/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	22 DAT	34 DAT	49 DAT	8 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	Rate Unit	Rate Unit	Stage				
9 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE			96 ab	97 a	95 a	93 a
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						98 a
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
10 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE			97 ab	96 ab	94 a	92 a
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						98 b
League	75%AW/W	.188LB AI/A	4OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
LSD (P=.05)							2.6	3.2	4.2	5.8
Standard Deviation							1.8	2.2	2.9	4.0
CV							2.09	2.59	3.39	4.9
Replicate F							0.614	3.121	13.644	15.174
Replicate Prob(F)							0.6118	0.0424	0.0001	0.0001
Treatment F							1131.020	740.076	429.348	205.919
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: C14-05 Location: RRS-Crowley, LA
 Protocol ID: C14-05 Investigator: Eric P. Webster

Pest Code						CL 151	CL 151	CL 151	RED RICE	RED RICE
Rating Date						6/19/2014	7/1/2014	7/15/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						22 DAT	34 DAT	49 DAT	8 DAT	22 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						0b	0b	0b	0c	0b
2 Command	3 LBA/GAL	0.3 LB AI/A	12.8 FL OZ/A	PRE		97a	96a	90a	98a	97a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
3 Command	3 LBA/GAL	0.3 LB AI/A	12.8 FL OZ/A	PRE		95a	95a	89a	98a	98a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Facet L	1.5 LBA/GAL	.375 LB AI/A	32 FL OZ/A	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
4 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		97a	96a	88a	98a	98a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Facet L	1.5 LBA/GAL	.375 LB AI/A	32 FL OZ/A	1-3 LF						
Sharpen	2.85 LBA/GAL	.0167 LB AI/A	0.75 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
5 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		98a	95a	90a	98a	97a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Grasp	240 GA/L	.036 LB AI/A	2.3 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
6 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		96a	94a	90a	98a	97a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Permit	75% AW/W	.047 LB AI/A	1 OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
7 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		98a	96a	91a	98a	98a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
Sharpen	2.85 LBA/GAL	.0167 LB AI/A	.75 FL OZ/A	1-3 LF						
Basagran	480 GA/L	0.5 LB AI/A	16 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
8 Command	3 LBA/GAL	.3 LB AI/A	12.8 FL OZ/A	PRE		98a	94a	88a	98a	97a
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-3 LF						
RiceBeaux	720 GA/L	6 LB AI/A	128 FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106 GA/L	.089 LB AI/A	12.9 FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						CL 151	CL 151	CL 151	RED RICE	RED RICE
Rating Date						6/19/2014	7/1/2014	7/15/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						22 DAT	34 DAT	49 DAT	8 DAT	22 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	Rate Unit	Rate Unit	Stage				
9Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE			98a	96a	94a	98a
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
10Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE			98a	95a	90a	98b
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
League	75%AW/W	.188LB AI/A	4OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
LSD (P=.05)							3.3	3.9	6.0	0.2
Standard Deviation							2.2	2.7	4.1	0.2
CV							2.56	3.13	5.11	0.18
Replicate F							0.801	12.264	17.406	1.000
Replicate Prob(F)							0.5042	0.0001	0.0001	0.4079
Treatment F							752.863	505.952	189.801	153577.889
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date						7/1/2014	7/15/2014	6/3/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	8 DAT	22 DAT	34 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					0b	0b	0c	0a	0a
2	Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	97a	92a	20ab	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
3	Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	99a	94a	15b	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
4	Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	93a	24a	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF					
	Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
5	Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	95a	24a	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Grasp	240GA/L	.036LB AI/A	2.3FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
6	Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	95a	25a	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Permit	75%AW/W	.047LB AI/A	1OZ WT/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
7	Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	99a	94a	21a	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	Sharpen	2.85LBA/GAL	.0167LB AI/A	.75FL OZ/A	1-3 LF					
	Basagran	480GA/L	0.5LB AI/A	16FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
8	Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	97a	94a	23a	0a	0a
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
	RiceBeaux	720GA/L	6LB AI/A	128FL OZ/A	1-3 LF					
	Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
	Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
	Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	PROVISIA	PROVISIA	PROVISIA
Rating Date						7/1/2014	7/15/2014	6/3/2014	6/19/2014	7/1/2014
Rating Type						CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						34 DAT	49 DAT	8 DAT	22 DAT	34 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				
9Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	99a	93a	21a	0a
Provisia	106GA/L		.089LB	AI/A	12.9FL	OZ/A 1-3 LF				
Permit Plus	75%AW/W		0.035LB	AI/A	.75OZ	WT/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
10Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98a	95a	21a	0a
Provisia	106GA/L		.089LB	AI/A	12.9FL	OZ/A 1-3 LF				
League	75%AW/W		.188LB	AI/A	4OZ	WT/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
LSD (P=.05)							3.5	4.8	6.0	0.0
Standard Deviation							2.4	3.3	4.1	0.0
CV							2.7	3.92	21.35	0.0
Replicate F							0.879	20.904	0.134	0.000
Replicate Prob(F)							0.4640	0.0001	0.9390	1.0000
Treatment F							676.220	322.017	12.605	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						PROVISIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date						7/15/2014	6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	8 DAT	22 DAT	34 DAT	49 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						
1Nontreated					0a	0b	0b	0b	0d	
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	97a	92c	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	98a	95abc	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
4Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	98a	97ab	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF						
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
5Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	98a	97ab	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Grasp	240GA/L	.036LB AI/A	2.3FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
6Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	96a	94abc	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Permit	75%AW/W	.047LB AI/A	1OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
7Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	97a	98a	97a	93bc	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Sharpen	2.85LBA/GAL	.0167LB AI/A	.75FL OZ/A	1-3 LF						
Basagran	480GA/L	0.5LB AI/A	16FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
8Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	97a	98a	98a	98a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
RiceBeaux	720GA/L	6LB AI/A	128FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA

Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code					PROVISIA	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date					7/15/2014	6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%
Trt-Eval Interval					49 DAT	8 DAT	22 DAT	34 DAT	49 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					
9Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	97a	98a	98a	97ab
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ WT/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
10Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	98a	98a	98a	97ab
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
League	75%AW/W	.188LB AI/A	4OZ WT/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
LSD (P=.05)					0.0	1.1	0.5	2.1	4.5
Standard Deviation					0.0	0.8	0.4	1.4	3.1
CV					0.0	0.89	0.41	1.65	3.6
Replicate F					0.000	0.759	0.712	0.814	0.928
Replicate Prob(F)					1.0000	0.5269	0.5532	0.4974	0.4404
Treatment F					0.000	6207.398	29798.525	1825.298	382.189
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	SEBEX	SEBEX
Rating Date						6/3/2014	6/19/2014	7/15/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	22 DAT	49 DAT	8 DAT	22 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						
1Nontreated					0a	0c	0c	0c	0c	0c
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	93b	28b	0c	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	97a	97a	97a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
4Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	97a	98a	98a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF						
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
5Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	98a	96a	98a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Grasp	240GA/L	.036LB AI/A	2.3FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
6Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	97a	96a	98a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Permit	75%AW/W	.047LB AI/A	1OZ WT/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
7Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	98b	97a	96a	98a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
Sharpen	2.85LBA/GAL	.0167LB AI/A	.75FL OZ/A	1-3 LF						
Basagran	480GA/L	0.5LB AI/A	16FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						
8Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98a	98a	98a	96a	95b	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF						
RiceBeaux	720GA/L	6LB AI/A	128FL OZ/A	1-3 LF						
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF						
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL						
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL						

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	SEBEX	SEBEX
Rating Date						6/3/2014	6/19/2014	7/15/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	22 DAT	49 DAT	8 DAT	22 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	Rate Unit	Rate Unit	Stage				
9Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 b	98 a	98 a
Provisia	106GA/L	.089LB	AI/A	12.9FL	OZ/A	1-3 LF				
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ	WT/A	1-3 LF				
Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF				
Provisia	106GA/L	.089LB	AI/A	12.9FL	OZ/A	1-2 TILL				
Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL				
10Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 b	98 a	98 a
Provisia	106GA/L	.089LB	AI/A	12.9FL	OZ/A	1-3 LF				
League	75%AW/W	.188LB	AI/A	4OZ	WT/A	1-3 LF				
Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF				
Provisia	106GA/L	.089LB	AI/A	12.9FL	OZ/A	1-2 TILL				
Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL				
LSD (P=.05)							0.0	0.2	2.2	3.4
Standard Deviation							0.0	0.2	1.5	2.3
CV							0.0	0.18	1.74	2.89
Replicate F							0.000	1.000	1.624	0.005
Replicate Prob(F)							1.0000	0.4079	0.2070	0.9995
Treatment F							0.000	153752.111	1634.671	945.990
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
 Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code						SEBEX	CYPES	CYPES	CYPES
Rating Date						7/15/2014	6/3/2014	6/19/2014	7/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						49 DAT	8 DAT	22 DAT	49 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					
1Nontreated					0b	0e	0e	0b	
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0b	0e	0e	1b	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	95a	45d	55d	88a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
4Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95a	58c	75c	90a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Facet L	1.5LBA/GAL	.375LB AI/A	32FL OZ/A	1-3 LF					
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
5Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	97a	94ab	94ab	95a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Grasp	240GA/L	.036LB AI/A	2.3FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
6Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	94a	96a	98a	94a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Permit	75%AW/W	.047LB AI/A	1OZ WT/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
7Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	96a	93ab	88b	90a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
Sharpen	2.85LBA/GAL	.0167LB AI/A	.75FL OZ/A	1-3 LF					
Basagran	480GA/L	0.5LB AI/A	16FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					
8Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	92a	84b	90ab	94a	
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF					
RiceBeaux	720GA/L	6LB AI/A	128FL OZ/A	1-3 LF					
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF					
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL					

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID:C14-05 Location:RRS-Crowley, LA
Protocol ID:C14-05 Investigator:Eric P. Webster

Pest Code			SEBEX	CYPES	CYPES	CYPES
Rating Date			7/15/2014	6/3/2014	6/19/2014	7/15/2014
Rating Type			CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%
Trt-Eval Interval			49 DAT	8 DAT	22 DAT	49 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		
9Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95 a	96 a
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF		
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ WT/A	1-3 LF		
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF		
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL		
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL		
10Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95 a	96 a
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-3 LF		
League	75%AW/W	.188LB AI/A	4OZ WT/A	1-3 LF		
Agri-Dex	100%	1% V/V	1% V/V	1-3 LF		
Provisia	106GA/L	.089LB AI/A	12.9FL OZ/A	1-2 TILL		
Agri-Dex	100%	1% V/V	1% V/V	1-2 TILL		
LSD (P=.05)			4.5	10.2	8.6	8.3
Standard Deviation			3.1	7.0	5.9	5.7
CV			4.13	10.64	8.5	7.73
Replicate F			2.089	0.326	0.999	0.554
Replicate Prob(F)			0.1251	0.8064	0.4084	0.6502
Treatment F			653.172	123.455	173.519	183.568
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen with EC Tank-mix Study

Experiment number: **C14-06**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/14/14
 Uniform std. treatment: N/A

Application type: 2-3LF
 Date applied [mm/dd/yy]: 5/12/14
 Time [hh:mm-yy:mm]: 1:00-1:20P
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 85
 Relative humidity [%]: 64
 Wind [mph, direction]: 6-9/SSE
 Weather [sunny, etc]: cloudy
 Soil/Leaf surface moist: dry/dry
 Crop stage/Height: 2-3lf
 Sprayer type/MPH: CO₂BkPk/3
 Nozzle type/Size*: AMFF/110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/22
 Applied by: BMM

Weed Species (population): - (height/#leaves) -
 BRAPP(100-200m⁻²): 0.5-4"/1-6lf
 ECHCG(40-80m⁻²): 1-3"/2-4lf
 CYPPIR(100-200m⁻²): 0.5-1"/1-3lf
 SEBEX(2-5m⁻²): 1-3"/cot-3lf
 CYPES(2-5m⁻²): 3-12"/3-12lf

Flush Dates: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen With EC Tankmix Study

Trial ID:C14-06				Location:RRS-Crowley, LA							
Protocol ID:C14-06				Investigator:Eric P. Webster							
Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							6/3/2014	6/18/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22 DAT	47 DAT	59 DAT	63 DAT	22 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							0 f	0 e	0 d	0 e
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	48 e	98 a
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
3	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	98 a	98 a
	Clincher	2.38	LBA/GAL	0.28	LB AI/A	15	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
4	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	98 a	98 a
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	0 f	96 b
	Permit	75%	AW/W	.047	LB AI/A	1	OZ WT/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
6	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	94 b	98 a
	RicePro	4.18	LBA/GAL	3.135	LB AI/A	96	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
7	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	90 c	98 a
	Command	3	LBA/GAL	.3	LB AI/A	12.8	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	0 f	91 c
	Prowl H2O	3.8	LBA/GAL	1	LB AI/A	33.6	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
9	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	85 d	95 b
	Bolero	8	LBA/GAL	2	LB AI/A	32	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
10	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	95 b	98 a
	RiceBeaux	6	LBA/GAL	4.5	LB AI/A	96	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
11	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	98 a	98 a
	Facet L	1.5	LBA/GAL	.375	LB AI/A	32	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
12	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	90 c	98 a
	Stam M4	4	LBA/GAL	3	LB AI/A	96	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
13	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	FL OZ/A	2-3	LF	98 a	98 a
	Obey	2.4	LB/GAL	0.75	LB AI/A	40	FL OZ/A	2-3	LF		
	Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
LSD (P=.05)							2.8	9.4	14.0	8.8	1.2
Standard Deviation							2.0	6.6	9.8	6.2	0.8
CV							2.88	11.99	17.4	10.71	0.91
Replicate F							0.504	2.541	1.322	0.161	0.689
Replicate Prob(F)							0.6821	0.0717	0.2822	0.9219	0.5647
Treatment F							1747.754	136.177	58.523	162.175	4345.536
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen With EC Tankmix Study

Trial ID:C14-06 Location:RRS-Crowley, LA
 Protocol ID:C14-06 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	SEBEX	SEBEX
Rating Date						6/18/2014	6/30/2014	7/14/2014	6/18/2014	6/30/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						47 DAT	59 DAT	63 DAT	47 DAT	59 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		
1Nontreated									0e	0b
2Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	90cd	96ab
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	93cd	97b
3Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	96abc	97ab
Clincher	2.38LBA/GAL		0.28LB	AI/A	15FL	OZ/A	2-3	LF	97ab	98ab
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98ab	98a
4Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	98a	98a
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A	2-3	LF	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
5Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	91bcd	98a
Permit	75%AW/W		.047LB	AI/A	1OZ	WT/A	2-3	LF	91d	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
6Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	90cd	94b
RicePro	4.18LBA/GAL		3.135LB	AI/A	96FL	OZ/A	2-3	LF	96abc	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
7Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	93a-d	98a
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	2-3	LF	95a-d	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
8Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	89d	98a
Prowl H2O	3.8LBA/GAL		1LB	AI/A	33.6FL	OZ/A	2-3	LF	93cd	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
9Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	91bcd	98a
Bolero	8LBA/GAL		2LB	AI/A	32FL	OZ/A	2-3	LF	93cd	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
10Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	91bcd	98a
RiceBeaux	6LBA/GAL		4.5LB	AI/A	96FL	OZ/A	2-3	LF	94bcd	98a
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98a	98a
11Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	97ab	98a
Facet L	1.5LBA/GAL		.375LB	AI/A	32FL	OZ/A	2-3	LF	98a	98ab
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98ab	98a
12Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	89d	98a
Stam M4	4LBA/GAL		3LB	AI/A	96FL	OZ/A	2-3	LF	96abc	98ab
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98ab	98a
13Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF	98a	98a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	2-3	LF	98a	98ab
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF	98ab	98a
LSD (P=.05)									6.0	3.9
Standard Deviation									4.2	2.8
CV									4.94	3.07
Replicate F									0.024	1.150
Replicate Prob(F)									0.9949	0.3423
Treatment F									150.783	385.243
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter SPESS

Sharpen With EC Tankmix Study

Trial ID:C14-06 Location:RRS-Crowley, LA
Protocol ID:C14-06 Investigator:Eric P. Webster

Pest Code						SEBEX	RICE	RICE	RICE	RICE
Rating Date						7/14/2014	6/3/2014	6/18/2014	6/30/2014	7/14/2014
Rating Type						CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						63 DAT	22 DAT	47 DAT	59 DAT	63 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		
1Nontreated										
2Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
3Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Clincher	2.38LBA/GAL		0.28LB	AI/A	15FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
4Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
5Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Permit	75%AW/W		.047LB	AI/A	1OZ	WT/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
6Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
RicePro	4.18LBA/GAL		3.135LB	AI/A	96FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
7Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
8Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Prowl H2O	3.8LBA/GAL		1LB	AI/A	33.6FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
9Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Bolero	8LBA/GAL		2LB	AI/A	32FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
10Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
RiceBeaux	6LBA/GAL		4.5LB	AI/A	96FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
11Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Facet L	1.5LBA/GAL		.375LB	AI/A	32FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
12Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Stam M4	4LBA/GAL		3LB	AI/A	96FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
13Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A	2-3	LF		
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	2-3	LF		
Agri-Dex	100%		1%	V/V	1%	V/V	2-3	LF		
LSD (P=.05)						0.8	2.1	2.2	0.0	0.0
Standard Deviation						0.5	1.5	1.6	0.0	0.0
CV						0.6	519.26	543.42	0.0	0.0
Replicate F						3.316	1.929	0.717	0.000	0.000
Replicate Prob(F)						0.0306	0.1424	0.5481	1.0000	1.0000
Treatment F						10075.735	1.000	0.913	0.000	0.000
Treatment Prob(F)						0.0001	0.4685	0.5438	1.0000	1.0000

LSU AgCenter SPESS

Sharpen With EC Tankmix Study

Trial ID:C14-06 Location:RRS-Crowley, LA
Protocol ID:C14-06 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type								AVG HT	MOISTURE	YIELD	YIELD
Rating Unit								cm	%	LB	kg/ha
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	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					
1Nontreated							80d	20a	2151e	2411e	
2Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	85bcd	20a	2846e	3190e	
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
3Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	101a	20a	6029ab	6758ab	
Clincher	2.38LBA/GAL		0.28LB	AI/A	15FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
4Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	99a	20a	6178a	6924a	
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
5Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	83cd	20a	1960e	2196e	
Permit	75%AW/W		.047LB	AI/A	1OZ	WT/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
6Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	100a	20a	6594a	7391a	
RicePro	4.18LBA/GAL		3.135LB	AI/A	96FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
7Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	95a	20a	4930cd	5526cd	
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
8Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	91abc	20a	3892d	4363d	
Prowl H2O	3.8LBA/GAL		1LB	AI/A	33.6FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
9Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	93ab	20a	4004d	4488d	
Bolero	8LBA/GAL		2LB	AI/A	32FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
10Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	100a	20a	5118bc	5737bc	
RiceBeaux	6LBA/GAL		4.5LB	AI/A	96FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
11Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	100a	20a	6600a	7397a	
Facet L	1.5LBA/GAL		.375LB	AI/A	32FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
12Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	97a	20a	4755cd	5329cd	
Stam M4	4LBA/GAL		3LB	AI/A	96FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
13Sharpen	2.85LBA/GAL		.0223LB	AI/A	1FL	OZ/A 2-3 LF	99a	20a	5590abc	6265abc	
Obeys	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 2-3 LF					
Agri-Dex	100%		1%	V/V	1%	V/V 2-3 LF					
LSD (P=.05)							9.5	0.0	1039.6	1165.2	
Standard Deviation							6.7	0.0	727.4	815.4	
CV							7.09	0.14	15.59	15.59	
Replicate F							0.956	3834.917	0.459	0.458	
Replicate Prob(F)							0.4238	0.0001	0.7130	0.7130	
Treatment F							4.463	1.000	19.360	19.360	
Treatment Prob(F)							0.0002	0.4685	0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen and Londax Study

Experiment number: **C14-08**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/2014
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:55-4:00P	10:55-11:15A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	72/68
Relative humidity [%]	73	54
Wind [mph, direction]	5-8/S	7-9/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	JCF	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-10m ⁻²)	1-3"/2-5lf
CYPES(10-20m ⁻²)	3-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf
CNPPA(3-5m ⁻²)	1-3"/cot-5lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 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
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage
1 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
2 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
3 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
4 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST
No Sharpen						
5 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
6 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
7 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
8 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST
No Sharpen						
9 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
10 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
11 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
12 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST
No Sharpen						

Sharpen and Londax Rate Study

Protocol ID:C14-08 Investigator:Eric P. Webster

56

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 Investigator:Eric P. Webster

Pest Code						SEBEX	ALRPH	ALRPH	ALRPH	CNPFA
Rating Date						6/19/2014	5/20/2014	6/3/2014	6/19/2014	5/20/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						45 DAT	15 DAT	29 DAT	45 DAT	15 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 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	85ab	90a-d	91abc
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
2 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	83abc	97a	93ab
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
3 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	88a	88bcd	90a-d
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
4 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	75cd	90a-d	88a-d
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST				
No Sharpen										
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	85ab	85d	90a-d
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	78bcd	90a-d	90a-d
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
7 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	78bcd	96ab	91abc
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
8 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	94b	78bcd	86cd	83d
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST				
No Sharpen										
9 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	70d	87cd	93ab
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
10 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	80abc	93a-d	91abc
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
11 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	85ab	95ab	92ab
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST				
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST				
Agri-Dex	100%		1%	V/V	1%	V/V MPOST				
12 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	83abc	91a-d	90a-d
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST				
No Sharpen										

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 Investigator:Eric P. Webster

Pest Code						SEBEX	ALRPH	ALRPH	ALRPH	CNPPA
Rating Date						6/19/2014	5/20/2014	6/3/2014	6/19/2014	5/20/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						45 DAT	15 DAT	29 DAT	45 DAT	15 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			
13Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98 a	78bcd	86cd
No Londax										
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST				
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST				
14Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98 a	78bcd	91a-d
No Londax										
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST				
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST				
15Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98 a	76bcd	94abc
No Londax										
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST				
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST				
16Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		0 c	0 e	0 e
No Londax										
No Sharpen										
LSD (P=.05)								3.7	9.3	8.4
Standard Deviation								2.6	6.5	5.9
CV								2.87	8.74	6.94
Replicate F								0.110	0.375	0.634
Replicate Prob(F)								0.9540	0.7713	0.5967
Treatment F								346.421	39.209	60.545
Treatment Prob(F)								0.0001	0.0001	0.0001

Sharpen and Londax Rate Study

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals									CNPPA 6/3/2014 CONTROL % 29 DAT 0	CNPPA 6/19/2014 CONTROL % 45 DAT 0	CYPES 5/20/2014 CONTROL % 15 DAT 0	CYPES 6/3/2014 CONTROL % 29 DAT 0	CYPES 6/19/2014 CONTROL % 45 DAT 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth						
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage					
1	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	83 a	96 a	
	Londax	60%		.0188LB	AI/A	0.5OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
2	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	68 cde	90 ab	
	Londax	60%		.0188LB	AI/A	0.5OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
3	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	75 abc	95 a	
	Londax	60%		.0188LB	AI/A	0.5OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
4	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	75 abc	97 a	
	Londax	60%		.0188LB	AI/A	0.5OZ	WT/A	MPOST					
	No Sharpen												
5	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	65 de	96 a	
	Londax	60%		0.028LB	AI/A	0.75OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
6	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	73 bcd	87 b	
	Londax	60%		0.028LB	AI/A	0.75OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
7	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	75 abc	93 ab	
	Londax	60%		0.028LB	AI/A	0.75OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
8	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	83 a	96 a	
	Londax	60%		0.028LB	AI/A	0.75OZ	WT/A	MPOST					
	No Sharpen												
9	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	70 b-e	96 a	
	Londax	60%		.0375LB	AI/A	1.0OZ	WT/A	MPOST					
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A	MPOST					
	Agri-Dex	100%		1% V/V		1% V/V		MPOST					
10	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98 ab	98 a	71 b-e	97 a	
	Londax	60%		.0375LB	AI/A	1.0OZ	WT/A	MPOST					

Sharpen and Londax Rate Study

Pest Code						CNPPA	CNPPA	CYPES	CYPES	CYPES
Rating Date						6/3/2014	6/19/2014	5/20/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						29 DAT	45 DAT	15 DAT	29 DAT	45 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				
13Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98b	98a	65de	93ab
No Londax										
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST				
Agri-Dex	100%		1% V/V		1% V/V	MPOST				
14Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98ab	98a	63e	91ab
No Londax										
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST				
Agri-Dex	100%		1% V/V		1% V/V	MPOST				
15Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	98a	98a	75abc	54c
No Londax										
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST				
Agri-Dex	100%		1% V/V		1% V/V	MPOST				
16Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	0c	0b	0f	0d
No Londax										
No Sharpen										
LSD (P=.05)							0.6	0.7	9.8	8.5
Standard Deviation							0.4	0.5	6.9	5.9
CV							0.48	0.54	10.05	6.93
Replicate F							4.856	0.407	0.652	4.185
Replicate Prob(F)							0.0052	0.7490	0.5858	0.0107
Treatment F							12395.547	9914.700	31.055	71.461
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 Investigator:Eric P. Webster

Pest Code						AESIN	AESIN	RICE	RICE
Rating Date						5/20/2014	6/3/2014	5/14/2014	8/13/2014
Rating Type						CONTROL	CONTROL	AVG HT	AVG HT
Rating Unit						%	%	cm	cm
Trt-Eval Interval						15 DAT	29 DAT	8 DAT	HARVEST
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 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	20a
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
2 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98a	21a
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
3 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	22a
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
4 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	21a
Londax	60%		.0188LB	AI/A	0.5OZ	WT/A MPOST			
No Sharpen									
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	24a
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98a	22a
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
7 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98a	21a
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
8 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	88b	98ab	21a
Londax	60%		0.028LB	AI/A	0.75OZ	WT/A MPOST			
No Sharpen									
9 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	23a
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
10 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98ab	21a
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
11 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	98a	23a
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST			
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A MPOST			
Agri-Dex	100%		1%	V/V	1%	V/V MPOST			
12 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	91a	96b	21a
Londax	60%		.0375LB	AI/A	1.0OZ	WT/A MPOST			
No Sharpen									

Sharpen and Londax Rate Study

Pest Code	AESIN	AESIN	RICE	RICE		
Rating Date	5/20/2014	6/3/2014	5/14/2014	8/13/2014		
Rating Type	CONTROL	CONTROL	AVG HT	AVG HT		
Rating Unit	%	%	cm	cm		
Trt-Eval Interval	15 DAT	29 DAT	8 DAT	HARVEST		
Number of Decimals	0	0	0	0		
Trt Treatment	Form	Form	Rate	Other	Other	Growth
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage
13Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
No Londax						
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
14Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
No Londax						
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
15Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
No Londax						
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST
16Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE
No Londax						
No Sharpen						
LSD (P=.05)	3.1	2.1	2.7	6.2		
Standard Deviation	2.2	1.5	1.9	4.3		
CV	2.55	1.59	8.8	4.26		
Replicate F	1.354	1.168	1.834	1.449		
Replicate Prob(F)	0.2690	0.3325	0.1546	0.2411		
Treatment F	438.891	1125.541	1.275	0.828		
Treatment Prob(F)	0.0001	0.0001	0.2571	0.642		

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE
Rating Date						8/13/2014	8/13/2014	8/13/2014
Rating Type						MOISTURE	YIELD	YIELD
Rating Unit						%	LB/A	kg/ha
Trt-Eval Interval						HARVEST	HARVEST	HARVEST
Number of Decimals						0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage		
1 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7183abc
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
2 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7057a-d
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
3 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7441a
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
4 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7301ab
Londax	60%	.0188LB	AI/A	0.5OZ	WT/A	MPOST		
No Sharpen								
5 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	6224de
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
6 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	6889a-d
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
7 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	5967e
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
8 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	6475b-e
Londax	60%	0.028LB	AI/A	0.75OZ	WT/A	MPOST		
No Sharpen								
9 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7214ab
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
10 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	7242ab
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
11 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	6315cde
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST		
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0FL	OZ/A	MPOST		
Agri-Dex	100%	1%	V/V	1%	V/V	MPOST		
12 Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	19a	6465b-e
Londax	60%	.0375LB	AI/A	1.0OZ	WT/A	MPOST		
No Sharpen								

LSU AgCenter SPESS

Sharpen and Londax Rate Study

Trial ID:C14-08 Location:RRS-Crowley, LA
Protocol ID:C14-08 Investigator:Eric P. Webster

Pest Code								RICE				
Rating Date								8/13/2014	8/13/2014	8/13/2014		
Rating Type								MOISTURE	YIELD	YIELD		
Rating Unit								%	LB/A	kg/ha		
Trt-Eval Interval								HARVEST	HARVEST	HARVEST		
Number of Decimals								0	0	0		
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage				
13Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		19a	6596a-e	7393a-e	
No Londax												
Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5FL	OZ/A	MPOST					
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
14Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		19a	7353ab	8241ab	
No Londax												
Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75FL	OZ/A	MPOST					
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
15Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		19a	6929a-d	7766a-d	
No Londax												
Sharpen	2.85LBA/GAL		.0223LB	AI/A	1.0FL	OZ/A	MPOST					
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
16Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		19a	6532b-e	7322b-e	
No Londax												
No Sharpen												
LSD (P=.05)								0.0	890.7	998.3		
Standard Deviation								0.0	623.3	698.6		
CV								0.0	9.13	9.13		
Replicate F								0.000	3.449	3.449		
Replicate Prob(F)								1.0000	0.0243	0.0243		
Treatment F								0.000	2.165	2.165		
Treatment Prob(F)								1.0000	0.0233	0.0233		

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen and Permit Tank-mixed at Different Rates

Experiment number: **C14-09**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/14
 Uniform std. treatment: PRE - Command at 12.8 oz/A (clomazone at 0.3 lb ai/A)

Application type	PRE	3-4LF
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:50-3:55P	1:45-2:05P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	79/69
Relative humidity [%]	73	50
Wind [mph, direction]	5-8/S	6-9/SW
Weather [sunny, etc]	pt. cloudy	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf/4-7"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	JCF	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-10m ⁻²)	1-3"/2-5lf
CYPES(10-20m ⁻²)	3-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf
CNPPA(3-5m ⁻²)	1-3"/cot-5lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID:C14-09	Location:RRS-Crowley, LA
Protocol ID:C14-09	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	ALRPH
Rating Date							5/14/2014	5/16/2014	6/3/2014	6/19/2014	5/16/2014
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							8 DAT	10 DAT	29 DAT	45 DAT	10 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	No Sharpen									0e	0a
	No Permit										0a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		0d
2	No Sharpen									1de	0a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4	LEAF		4a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		3a
3	No Sharpen									1de	0a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4	LEAF		0a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		0a
4	No Sharpen									0e	0a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4	LEAF		1a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		3a
5	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4	LEAF	3cde	0a
	No Permit										0a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		0a
6	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4	LEAF	4b-e	0a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4	LEAF		5a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		3a
7	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4	LEAF	1de	1a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4	LEAF		0a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		1a
8	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4	LEAF	3cde	0a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4	LEAF		1a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		1a
9	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4	LEAF	4b-e	0a
	No Permit										1a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		3a
10	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4	LEAF	3cde	0a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4	LEAF		3a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		3a
11	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4	LEAF	5a-d	0a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4	LEAF		3a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		1a
12	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4	LEAF	8ab	1a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4	LEAF		1a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		0a
13	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4	LEAF	2de	1a
	No Permit										4a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		4a
14	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4	LEAF	4b-e	4a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4	LEAF		5a
	Agri-Dex	100%		1%	V/V			3-4	LEAF		4a

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID:C14-09 Location:RRS-Crowley,LA
 Protocol ID:C14-09 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	ALRPH
Rating Date						5/14/2014	5/16/2014	6/3/2014	6/19/2014	5/16/2014
Rating Type						INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	10 DAT	29 DAT	45 DAT	10 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	Rate Unit	Rate Unit	Stage				
15Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A		3-4 LEAF	9a	0a	3a	4a
Permit	75%	.0234LB	AI/A	0.5OZ/A		3-4 LEAF				88bc
Agri-Dex	100%	1%	V/V			3-4 LEAF				
16Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A		3-4 LEAF	7abc	1a	4a	1a
Permit	75%	0.035LB	AI/A	0.75OZ/A		3-4 LEAF				90ab
Agri-Dex	100%	1%	V/V			3-4 LEAF				
LSD (P=.05)						5.0	2.5	5.6	3.3	4.3
Standard Deviation						3.5	1.7	3.9	2.3	3.0
CV						106.77	318.27	185.14	134.98	3.55
Replicate F						1.033	0.817	0.435	4.355	1.166
Replicate Prob(F)						0.3871	0.4915	0.7287	0.0089	0.3333
Treatment F						2.225	1.367	0.804	1.219	227.503
Treatment Prob(F)						0.0197	0.2053	0.6670	0.2932	0.0001

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID: C14-09 Location: RRS-Crowley, LA
 Protocol ID: C14-09 Investigator: Eric P. Webster

Pest Code							ALRPH	ALRPH	CYPES	CYPES	CYPES
Rating Date							6/3/2014	6/19/2014	5/16/2014	6/3/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							29 DAT	45 DAT	10 DAT	29 DAT	45 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					
1No Sharpen							0e	0c	0c	0b	0c
No Permit											
Agri-Dex	100%		1%	V/V		3-4 LEAF					
2No Sharpen							92a-d	89ab	88ab	98a	98a
Permit	75%		.0117LB	AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
3No Sharpen							93abc	92ab	90ab	98a	98a
Permit	75%		.0234LB	AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
4No Sharpen							91a-d	91ab	92a	98a	98a
Permit	75%		0.035LB	AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
5Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4 LEAF	85d	92ab	89ab	92a	92b
No Permit											
Agri-Dex	100%		1%	V/V		3-4 LEAF					
6Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4 LEAF	88bcd	86b	88ab	98a	97a
Permit	75%		.0117LB	AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
7Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4 LEAF	95ab	89ab	90ab	98a	98a
Permit	75%		.0234LB	AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
8Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4 LEAF	92a-d	96a	89ab	97a	98a
Permit	75%		0.035LB	AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
9Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4 LEAF	97a	91ab	85b	95a	93b
No Permit											
Agri-Dex	100%		1%	V/V		3-4 LEAF					
10Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4 LEAF	88cd	92ab	92a	94a	98a
Permit	75%		.0117LB	AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
11Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4 LEAF	91a-d	92ab	90ab	98a	98a
Permit	75%		.0234LB	AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
12Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4 LEAF	94abc	91ab	90ab	94a	98a
Permit	75%		0.035LB	AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					
13Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A	3-4 LEAF	92a-d	91ab	87ab	92a	94b
No Permit											
Agri-Dex	100%		1%	V/V		3-4 LEAF					
14Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A	3-4 LEAF	97a	90ab	90ab	98a	98a
Permit	75%		.0117LB	AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%		1%	V/V		3-4 LEAF					

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID: C14-09 Location: RRS-Crowley, LA
 Protocol ID: C14-09 Investigator: Eric P. Webster

Pest Code						ALRPH	ALRPH	CYPES	CYPES	CYPES
Rating Date						6/3/2014	6/19/2014	5/16/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						29 DAT	45 DAT	10 DAT	29 DAT	45 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	Rate Unit	Rate Unit	Stage				
15Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A		3-4 LEAF	90a-d	96a	88ab	98a
Permit	75%	.0234LB	AI/A	0.5OZ/A		3-4 LEAF				
Agri-Dex	100%	1%	V/V			3-4 LEAF				
16Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A		3-4 LEAF	91a-d	94ab	91ab	94a
Permit	75%	0.035LB	AI/A	0.75OZ/A		3-4 LEAF				
Agri-Dex	100%	1%	V/V			3-4 LEAF				
LSD (P=.05)							7.3	7.8	6.6	7.2
Standard Deviation							5.1	5.4	4.7	5.0
CV							5.93	6.34	5.57	5.61
Replicate F							5.470	0.557	0.572	0.453
Replicate Prob(F)							0.0027	0.6460	0.6361	0.7162
Treatment F							82.383	71.601	92.311	91.205
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID: C14-09 Location: RRS-Crowley, LA
 Protocol ID: C14-09 Investigator: Eric P. Webster

Pest Code							CNPPA	CNPPA	CNPPA	SEBEX	SEBEX
Rating Date							5/16/2014	6/3/2014	6/19/2014	6/3/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							10 DAT	29 DAT	45 DAT	29 DAT	45 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 Sharpen								0b	0d	0b
	No Permit										
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
2	No Sharpen								98a	98ab	98a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
3	No Sharpen								98a	98ab	98a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
4	No Sharpen								96a	98a	99a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
5	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	98a	98a	98a
	No Permit										
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
6	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	98a	98ab	98a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
7	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	96a	98a	98a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
8	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	98a	96c	98a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
9	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	96a	98ab	98a
	No Permit										
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
10	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	98a	98ab	98a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
11	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	98a	98ab	98a
	Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
12	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	98a	98abc	98a
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
13	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4 LEAF	98a	98ab	98a
	No Permit										
	Agri-Dex	100%		1%	V/V			3-4 LEAF			
14	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4 LEAF	98a	98ab	98a
	Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF			
	Agri-Dex	100%		1%	V/V			3-4 LEAF			

Sharpen and Permit Tank-mixed at Different Rates

Pest Code								CNPPA	CNPPA	CNPPA	SEBEX	SEBEX
Rating Date								5/16/2014	6/3/2014	6/19/2014	6/3/2014	6/19/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								10 DAT	29 DAT	45 DAT	29 DAT	45 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				
15	Sharpen	2.85	LB/GAL	.0223	LB AI/A	1.0	Z/A	3-4 LEAF	96a	98ab	98a	98a
	Permit	75%		.0234	LB AI/A	0.5	OZ/A	3-4 LEAF				
	Agri-Dex	100%		1%	V/V			3-4 LEAF				
16	Sharpen	2.85	LB/GAL	.0223	LB AI/A	1.0	Z/A	3-4 LEAF	98a	96bc	98a	98a
	Permit	75%		0.035	LB AI/A	0.7	OZ/A	3-4 LEAF				
	Agri-Dex	100%		1%	V/V			3-4 LEAF				
LSD (P=.05)								2.8	2.0	0.6	0.5	0.5
Standard Deviation								1.9	1.4	0.4	0.4	0.4
CV								2.11	1.55	0.45	0.38	0.39
Replicate F								2.335	0.817	0.340	0.462	0.319
Replicate Prob(F)								0.0865	0.4911	0.7963	0.7101	0.8115
Treatment F								639.605	1188.819	14311.367	19429.773	18441.191
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID: C14-09 Location: RRS-Crowley, LA
 Protocol ID: C14-09 Investigator: Eric P. Webster

Pest Code		CYPIR		CYPIR		RICE		RICE	
Rating Date		6/3/2014		6/19/2014		5/14/2014		8/13/2014	
Rating Type		CONTROL		CONTROL		AVG HT		AVG HT	
Rating Unit		%		%		cm		cm	
Trt-Eval Interval		29 DAT		45 DAT		8 DAT		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					
1No Sharpen					0b	0b	20a	99a	
No Permit									
Agri-Dex	100%	1% V/V		3-4 LEAF					
2No Sharpen					98a	98a	20a	100a	
Permit	75%	.0117LB AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
3No Sharpen					98a	98a	21a	98a	
Permit	75%	.0234LB AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
4No Sharpen					98a	98a	26a	100a	
Permit	75%	0.035LB AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
5Sharpen	2.85LB/GAL	.0111LB AI/A	0.5OZ/A	3-4 LEAF	98a	98a	21a	102a	
No Permit									
Agri-Dex	100%	1% V/V		3-4 LEAF					
6Sharpen	2.85LB/GAL	.0111LB AI/A	0.5OZ/A	3-4 LEAF	98a	98a	22a	103a	
Permit	75%	.0117LB AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
7Sharpen	2.85LB/GAL	.0111LB AI/A	0.5OZ/A	3-4 LEAF	98a	98a	20a	103a	
Permit	75%	.0234LB AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
8Sharpen	2.85LB/GAL	.0111LB AI/A	0.5OZ/A	3-4 LEAF	98a	98a	20a	102a	
Permit	75%	0.035LB AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
9Sharpen	2.85LB/GAL	.0167LB AI/A	0.75OZ/A	3-4 LEAF	98a	98a	20a	100a	
No Permit									
Agri-Dex	100%	1% V/V		3-4 LEAF					
10Sharpen	2.85LB/GAL	.0167LB AI/A	0.75OZ/A	3-4 LEAF	98a	98a	22a	102a	
Permit	75%	.0117LB AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
11Sharpen	2.85LB/GAL	.0167LB AI/A	0.75OZ/A	3-4 LEAF	98a	98a	21a	101a	
Permit	75%	.0234LB AI/A	0.5OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
12Sharpen	2.85LB/GAL	.0167LB AI/A	0.75OZ/A	3-4 LEAF	98a	98a	20a	98a	
Permit	75%	0.035LB AI/A	0.75OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					
13Sharpen	2.85LB/GAL	.0223LB AI/A	1OZ/A	3-4 LEAF	98a	98a	20a	100a	
No Permit									
Agri-Dex	100%	1% V/V		3-4 LEAF					
14Sharpen	2.85LB/GAL	.0223LB AI/A	1OZ/A	3-4 LEAF	98a	98a	19a	100a	
Permit	75%	.0117LB AI/A	0.25OZ/A	3-4 LEAF					
Agri-Dex	100%	1% V/V		3-4 LEAF					

Sharpen and Permit Tank-mixed at Different Rates

Pest Code	CYP1R	CYP1R	RICE	RICE									
Rating Date	6/3/2014	6/19/2014	5/14/2014	8/13/2014									
Rating Type	CONTROL	CONTROL	AVG HT	AVG HT									
Rating Unit	%	%	cm	cm									
Trt-Eval Interval	29 DAT	45 DAT	8 DAT	HARVEST									
Number of Decimals	0	0	0	0									
Trt Treatment	Form	Form	Rate	Other	Other	Growth							
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage					
15	Sharpen	2.85	LB/GAL	.0223	LB AI/A	1	OZ/A	3-4	LEAF	98a	98a	20a	98a
	Permit	75%		.0234	LB AI/A	0.5	OZ/A	3-4	LEAF				
	Agri-Dex	100%		1%	V/V			3-4	LEAF				
16	Sharpen	2.85	LB/GAL	.0223	LB AI/A	1	OZ/A	3-4	LEAF	98a	98a	18a	102a
	Permit	75%		0.035	LB AI/A	0.75	OZ/A	3-4	LEAF				
	Agri-Dex	100%		1%	V/V			3-4	LEAF			20a	
LSD (P=.05)								0.5	0.5	5.4	5.4		
Standard Deviation								0.4	0.4	3.8	3.8		
CV								0.42	0.42	18.52	3.76		
Replicate F								0.392	0.392	2.378	1.633		
Replicate Prob(F)								0.7594	0.7594	0.0823	0.1951		
Treatment F								16442.615	16475.622	0.721	0.773		
Treatment Prob(F)								0.0001	0.0001	0.7511	0.6999		

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID: C14-09 Location: RRS-Crowley, LA
 Protocol ID: C14-09 Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							8/13/2014	8/13/2014	8/13/2014
Rating Type							MOISTURE	YIELD	YIELD
Rating Unit							%	LB	KG
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth			
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1No Sharpen								22 a	3656 e
No Permit									4098 e
Agri-Dex	100%		1%	V/V			3-4 LEAF		
2No Sharpen								22 a	6957 a-d
Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF		7798 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
3No Sharpen								22 a	6274 a-d
Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF		7033 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
4No Sharpen								22 a	7432 a
Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF		8330 a
Agri-Dex	100%		1%	V/V			3-4 LEAF		
5Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	22 a	6435 a-d
No Permit									7212 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
6Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	22 a	7406 ab
Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF		8301 ab
Agri-Dex	100%		1%	V/V			3-4 LEAF		
7Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	22 a	5861 cd
Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF		6569 cd
Agri-Dex	100%		1%	V/V			3-4 LEAF		
8Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A		3-4 LEAF	22 a	7082 abc
Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF		7937 abc
Agri-Dex	100%		1%	V/V			3-4 LEAF		
9Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	22 a	6216 a-d
No Permit									6967 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
10Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	22 a	7107 abc
Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF		7966 abc
Agri-Dex	100%		1%	V/V			3-4 LEAF		
11Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	22 a	6012 bcd
Permit	75%		.0234LB	AI/A	0.5OZ/A		3-4 LEAF		6739 bcd
Agri-Dex	100%		1%	V/V			3-4 LEAF		
12Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A		3-4 LEAF	22 a	6565 a-d
Permit	75%		0.035LB	AI/A	0.75OZ/A		3-4 LEAF		7358 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
13Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4 LEAF	22 a	6256 a-d
No Permit									7012 a-d
Agri-Dex	100%		1%	V/V			3-4 LEAF		
14Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-4 LEAF	22 a	7359 ab
Permit	75%		.0117LB	AI/A	0.25OZ/A		3-4 LEAF		8249 ab
Agri-Dex	100%		1%	V/V			3-4 LEAF		

LSU AgCenter SPESS

Sharpen and Permit Tank-mixed at Different Rates

Trial ID:C14-09 Location:RRS-Crowley,LA
 Protocol ID:C14-09 Investigator:Eric P. Webster

Pest Code								RICE		RICE		RICE
Rating Date								8/13/2014		8/13/2014		8/13/2014
Rating Type								MOISTURE		YIELD		YIELD
Rating Unit								%		LB		KG
Trt-Eval Interval								HARVEST		HARVEST		HARVEST
Number of Decimals								0		0		0
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage				
15Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A			3-4 LEAF				
Permit	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF	23 a	5625 d		6304 d
Agri-Dex	100%		1%	V/V				3-4 LEAF				
16Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A			3-4 LEAF	22 a	6443 a-d		7222 a-d
Permit	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF				
Agri-Dex	100%		1%	V/V				3-4 LEAF				
LSD (P=.05)								0.6		1413.3		1584.1
Standard Deviation								0.4		989.0		1108.5
CV								2.07		15.41		15.41
Replicate F								166.432		9.731		9.731
Replicate Prob(F)								0.0001		0.0001		0.0001
Treatment F								1.000		3.528		3.528
Treatment Prob(F)								0.4718		0.0005		0.0005

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen at Different Rates Compared with Aim

Experiment number: **C14-10**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/14
 Uniform std. treatment: PRE - Command at 12.8 oz/A (clomazone at 0.3 lb ai/A)

Application type	PRE	3-4LF
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-yy:mm]	3:45-3:50P	9:55-10:00A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	72/70
Relative humidity [%]	73	62
Wind [mph, direction]	5-8/S	7-9/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	EAB	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-10m ⁻²)	1-3"/2-5lf
CYPES(10-20m ⁻²)	3-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf
CNPPA(3-5m ⁻²)	1-3"/cot-5lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Sharpen at Different Rates Compared with Aim

Trial ID:C14-10	Location:RRS-Crowley, LA
Protocol ID:C14-10	Investigator:Eric P. Webster

Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date							5/16/2014	6/2/2014	6/18/2014	5/16/2014	6/2/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							10 DAT	28 DAT	44 DAT	10 DAT	28 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							0e	0e	0d	0c
2	Sharpen	2.85LB/GAL	.0111LB	AI/A	0.5OZ/A	3-4	LEAF	59d	74d	83ab	95ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
3	Sharpen	2.85LB/GAL	.0167LB	AI/A	0.75OZ/A	3-4	LEAF	56d	75cd	85ab	95ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
4	Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A	3-4	LEAF	63cd	74d	83ab	95ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
5	Sharpen	2.85LB/GAL	.0445LB	AI/A	2OZ/A	3-4	LEAF	84a	86ab	83ab	95ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
6	Aim	2LB/GAL	.0078LB	AI/A	0.5OZ/A	3-4	LEAF	76ab	79bcd	80b	94ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
7	Aim	2LB/GAL	.0117LB	AI/A	0.75OZ/A	3-4	LEAF	75ab	84bc	63c	94ab
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
8	Aim	2LB/GAL	.0156LB	AI/A	1OZ/A	3-4	LEAF	73bc	93a	92a	93b
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
9	Aim	2LB/GAL	0.025LB	AI/A	1.6OZ/A	3-4	LEAF	74ab	78bcd	79b	96a
	Agri-Dex	100%	1%	V/V		3-4	LEAF				
LSD (P=.05)								10.9	8.9	9.0	3.6
Standard Deviation								7.4	6.1	6.2	2.5
CV								11.99	8.51	8.61	2.94
Replicate F								0.380	1.069	0.898	1.818
Replicate Prob(F)								0.7683	0.3806	0.4566	0.1708
Treatment F								44.925	82.063	82.212	650.086
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen at Different Rates Compared with Aim

Trial ID:C14-10 Location:RRS-Crowley, LA
 Protocol ID:C14-10 Investigator:Eric P. Webster

Pest Code						CYPIR	ALRPH	ALRPH	ALRPH	AESIN
Rating Date						6/18/2014	5/16/2014	6/2/2014	6/18/2014	5/16/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						44 DAT	10 DAT	28 DAT	44 DAT	10 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		
1Nontreated										
						0e	0c	0c	0c	0c
2Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						76cd	84a	85ab	65b	96ab
3Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						83bcd	74b	86ab	96a	96ab
4Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						90ab	89a	90ab	96a	96ab
5Sharpen	2.85LB/GAL		.0445LB	AI/A	2OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						86abc	91a	89ab	97a	98a
6Aim	2LB/GAL		.0078LB	AI/A	0.5OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						81bcd	86a	89ab	96a	93b
7Aim	2LB/GAL		.0117LB	AI/A	0.75OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						82bcd	91a	89ab	96a	95ab
8Aim	2LB/GAL		.0156LB	AI/A	1OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						94a	86a	93a	98a	97a
9Aim	2LB/GAL		0.025LB	AI/A	1.6OZ/A	3-4	LEAF			
Agri-Dex	100%		1%	V/V		3-4	LEAF			
						75d	89a	84b	98a	97a
LSD (P=.05)						10.7	8.7	8.7	5.0	3.4
Standard Deviation						7.3	5.9	6.0	3.4	2.3
CV						9.86	7.76	7.65	4.15	2.72
Replicate F						2.006	0.542	0.473	1.901	0.697
Replicate Prob(F)						0.1399	0.6579	0.7042	0.1563	0.5629
Treatment F						60.629	96.587	96.866	363.672	761.661
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

Sharpen at Different Rates Compared with Aim

Pest Code								AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date								6/2/2014	6/18/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAT	44 DAT	10 DAT	28 DAT	44 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	Nontreated								0b	0b	0c	0c
2	Sharpen	2.85LB/GAL		.0111LB	AI/A	0.5OZ/A	3-4	LEAF	98a	98a	95ab	97a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				94a
3	Sharpen	2.85LB/GAL		.0167LB	AI/A	0.75OZ/A	3-4	LEAF	98a	98a	97ab	98a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				92a
4	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A	3-4	LEAF	98a	98a	94ab	98a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				98a
5	Sharpen	2.85LB/GAL		.0445LB	AI/A	2OZ/A	3-4	LEAF	98a	98a	95ab	98a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				98a
6	Aim	2LB/GAL		.0078LB	AI/A	0.5OZ/A	3-4	LEAF	98a	98a	93b	92b
	Agri-Dex	100%		1%	V/V		3-4	LEAF				94a
7	Aim	2LB/GAL		.0117LB	AI/A	0.75OZ/A	3-4	LEAF	98a	98a	96ab	98a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				94a
8	Aim	2LB/GAL		.0156LB	AI/A	1OZ/A	3-4	LEAF	98a	98a	98a	96ab
	Agri-Dex	100%		1%	V/V		3-4	LEAF				96a
9	Aim	2LB/GAL		0.025LB	AI/A	1.6OZ/A	3-4	LEAF	98a	98a	98ab	98a
	Agri-Dex	100%		1%	V/V		3-4	LEAF				98a
LSD (P=.05)								0.6	0.5	5.1	4.9	8.0
Standard Deviation								0.4	0.4	3.5	3.3	5.5
CV								0.46	0.42	4.15	3.87	6.5
Replicate F								1.127	1.310	0.253	0.590	3.061
Replicate Prob(F)								0.3580	0.2940	0.8584	0.6273	0.0475
Treatment F								26071.141	31894.448	327.234	377.067	133.874
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

Sharpen at Different Rates Compared with Aim

Trial ID:C14-10	Location:RRS-Crowley, LA
Protocol ID:C14-10	Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								5/14/2014	5/16/2014	6/2/2014	6/18/2014	5/14/2014
Rating Type								INJURY	INJURY	INJURY	INJURY	AVG HT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								8 DAT	10 DAT	28 DAT	44 DAT	8 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	Non							0a	0c	0a	0a	24a
2	Sharpen	2.85LB/GAL	.0111LB	AI/A	0.5OZ/A	3-4	LEAF	3a	4abc	1a	0a	22a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
3	Sharpen	2.85LB/GAL	.0167LB	AI/A	0.75OZ/A	3-4	LEAF	4a	8a	0a	0a	23a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
4	Sharpen	2.85LB/GAL	.0223LB	AI/A	1OZ/A	3-4	LEAF	4a	5ab	0a	0a	23a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
5	Sharpen	2.85LB/GAL	.0445LB	AI/A	2OZ/A	3-4	LEAF	8a	8a	3a	0a	26a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
6	Aim	2LB/GAL	.0078LB	AI/A	0.5OZ/A	3-4	LEAF	4a	1bc	1a	0a	22a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
7	Aim	2LB/GAL	.0117LB	AI/A	0.75OZ/A	3-4	LEAF	3a	4abc	0a	0a	24a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
8	Aim	2LB/GAL	.0156LB	AI/A	1OZ/A	3-4	LEAF	4a	1bc	3a	0a	23a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
9	Aim	2LB/GAL	0.025LB	AI/A	1.6OZ/A	3-4	LEAF	6a	4abc	0a	0a	23a
	Agri-Dex	100%	1%	V/V		3-4	LEAF					
LSD (P=.05)								5.0	4.9	2.6	0.0	4.1
Standard Deviation								3.4	3.4	1.8	0.0	2.8
CV								87.61	89.35	210.16	0.0	11.96
Replicate F								1.280	2.206	1.509	0.000	1.534
Replicate Prob(F)								0.3039	0.1134	0.2375	1.0000	0.2313
Treatment F								1.773	2.505	1.528	0.000	0.662
Treatment Prob(F)								0.1326	0.0390	0.1997	1.0000	0.7188

LSU AgCenter SPESS

Sharpen at Different Rates Compared with Aim

Trial ID:C14-10 Location:RRS-Crowley, LA
 Protocol ID:C14-10 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE	RICE
Rating Date									8/13/2014	8/13/2014	8/13/2014	8/13/2014
Rating Type									AVG HT	MOISTURE	YIELD	YIELD
Rating Unit									cm	%	LB	kg/ha
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	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				
1Nontreated									100 a	19 a	6384 c	7155 c
2Sharpen	2.85LB/GAL		.0111LB	AI/A	0.50Z/A		3-4	LEAF	99 a	19 a	7698 ab	8628 ab
Agri-Dex	100%		1%	V/V			3-4	LEAF				
3Sharpen	2.85LB/GAL		.0167LB	AI/A	0.750Z/A		3-4	LEAF	104 a	19 a	7286 abc	8166 abc
Agri-Dex	100%		1%	V/V			3-4	LEAF				
4Sharpen	2.85LB/GAL		.0223LB	AI/A	10Z/A		3-4	LEAF	99 a	19 a	7892 a	8846 a
Agri-Dex	100%		1%	V/V			3-4	LEAF				
5Sharpen	2.85LB/GAL		.0445LB	AI/A	20Z/A		3-4	LEAF	103 a	19 a	6492 c	7277 c
Agri-Dex	100%		1%	V/V			3-4	LEAF				
6Aim	2LB/GAL		.0078LB	AI/A	0.50Z/A		3-4	LEAF	102 a	19 a	7388 abc	8281 abc
Agri-Dex	100%		1%	V/V			3-4	LEAF				
7Aim	2LB/GAL		.0117LB	AI/A	0.750Z/A		3-4	LEAF	102 a	19 a	6370 c	7140 c
Agri-Dex	100%		1%	V/V			3-4	LEAF				
8Aim	2LB/GAL		.0156LB	AI/A	10Z/A		3-4	LEAF	103 a	19 a	7436 abc	8334 abc
Agri-Dex	100%		1%	V/V			3-4	LEAF				
9Aim	2LB/GAL		0.025LB	AI/A	1.60Z/A		3-4	LEAF	100 a	19 a	6721 bc	7533 bc
Agri-Dex	100%		1%	V/V			3-4	LEAF				
LSD (P=.05)									6.3	0.0	1086.1	1217.3
Standard Deviation									4.3	0.0	744.2	834.1
CV									4.23	0.0	10.52	10.52
Replicate F									2.086	0.000	0.815	0.815
Replicate Prob(F)									0.1287	1.0000	0.4984	0.4984
Treatment F									0.837	0.000	2.499	2.499
Treatment Prob(F)									0.5797	1.0000	0.0395	0.0395

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen PRE with Command at Different Rates

Experiment number: **C14-11**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/14/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/2/14	5/19/14
Time [hh:mm-hh:mm]	9:30-9:40A	10:50-10:55
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	70/63	79/77
Relative humidity [%]	88	59
Wind [mph, direction]	5-8/SE	6-9/SSE
Weather [sunny, etc]	cloudy	sunny
Soil/Leaf surface moist	dry/dry	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-10m ⁻²)	1-3"/2-5lf
BRAPP(50-150m ⁻²)	0.5-3"/1-5lf
ECHCG(50-150m ⁻²)	0.5-3"/1-5lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Sharpen PRE with Command at Different Rates

Trial ID:C14-11	Location:RRS-Crowley, LA
Protocol ID:C14-11	Investigator:Eric P. Webster

Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	SEBEX	SEBEX
Rating Date							6/3/2014	6/18/2014	6/3/2014	6/18/2014	6/3/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							15 DAT	30 DAT	15 DAT	30 DAT	15 DAT	30 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			
1	No Sharpen									0 c	0 d	0 c
	No Command											
2	No Sharpen									94 a	91 ab	98 a
	Command	3 LB/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	PRE				
3	Sharpen	2.85 LB/GAL		.0223 LB	AI/A	1 FL	OZ/A	PRE		0 c	0 d	0 c
	No Command											
4	Sharpen	2.85 LB/GAL		.0223 LB	AI/A	1 FL	OZ/A	PRE		98 a	93 ab	98 a
	Command	3 LB/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	PRE				
5	Sharpen	2.85 LB/GAL		.0445 LB	AI/A	2 FL	OZ/A	PRE		0 c	0 d	0 c
	No Command											
6	Sharpen	2.85 LB/GAL		.0445 LB	AI/A	2 FL	OZ/A	PRE		98 a	94 a	98 a
	Command	3 LB/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	PRE				
7	Sharpen	2.85 LB/GAL		.089 LB	AI/A	4 FL	OZ/A	PRE		28 b	14 c	44 b
	No Command											
8	Sharpen	2.85 LB/GAL		.089 LB	AI/A	4 FL	OZ/A	PRE		98 a	94 a	98 a
	Command	3 LB/GAL		0.3 LB	AI/A	12.8 FL	OZ/A	PRE				
9	Propanil	4 LB/GAL		3 LB	AI/A	3 QT/A		MIDPOST		93 a	86 b	98 a
	Permit	75 %		.047 LB	AI/A	1 OZ/A		MIDPOST				
LSD (P=.05)							7.4	6.6	3.7	7.0	5.6	6.7
Standard Deviation							5.1	4.5	2.5	4.8	3.8	4.6
CV							8.97	8.6	4.27	7.88	4.51	5.37
Replicate F							1.890	1.256	0.932	0.986	2.646	1.299
Replicate Prob(F)							0.1582	0.3116	0.4405	0.4158	0.0720	0.2976
Treatment F							356.645	429.209	1427.309	346.541	277.576	196.883
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

Sharpen PRE with Command at Different Rates

Trial ID:C14-11	Location:RRS-Crowley, LA
Protocol ID:C14-11	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/3/2014	6/18/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type							INJURY	INJURY	AVG HT	MOISTURE	YIELD
Rating Unit							%	%	cm	%	LB
Trt-Eval Interval							15 DAT	30 DAT	HARVEST	HARVEST	HARVEST
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	No Sharpen										
	No Command										
2	No Sharpen										
	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE			
3	Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	PRE			
	No Command										
4	Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	PRE			
	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE			
5	Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE			
	No Command										
6	Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE			
	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE			
7	Sharpen	2.85LB/GAL		.089LB	AI/A	4FL	OZ/A	PRE			
	No Command										
8	Sharpen	2.85LB/GAL		.089LB	AI/A	4FL	OZ/A	PRE			
	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE			
9	Propanil	4LB/GAL		3LB	AI/A	3QT/A		MIDPOST			
	Permit	75%		.047LB	AI/A	1OZ/A		MIDPOST			
LSD (P=.05)							9.5	7.4	8.1	0.0	1031.0
Standard Deviation							6.5	5.1	5.5	0.0	706.4
CV							129.81	262.45	5.76	0.0	15.38
Replicate F							5.846	3.520	2.622	0.000	0.074
Replicate Prob(F)							0.0038	0.0303	0.0739	1.0000	0.9735
Treatment F							0.593	0.787	6.314	0.000	40.671
Treatment Prob(F)							0.7737	0.6190	0.0002	1.0000	0.0000

LSU AgCenter SPESS

Sharpen PRE with Command at Different Rates

Trial ID:C14-11 Location:RRS-Crowley, LA
 Protocol ID:C14-11 Investigator:Eric P. Webster

Pest Code	RICE						
Rating Date	8/14/2014						
Rating Type	YIELD						
Rating Unit	kg/ha						
Trt-Eval Interval	HARVEST						
Number of Decimals	0						
Trt Treatment	Form	Form	Rate	Other	Other	Growth	
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit Stage
1No Sharpen							1556d
No Command							
2No Sharpen							5929b
Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE
3Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	PRE
No Command							2937c
4Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	PRE
Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE
5Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE
No Command							3045c
6Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE
Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE
7Sharpen	2.85LB/GAL		.089LB	AI/A	4FL	OZ/A	PRE
No Command							3100c
8Sharpen	2.85LB/GAL		.089LB	AI/A	4FL	OZ/A	PRE
Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE
9Propanil	4LB/GAL		3LB	AI/A	3QT/A		MIDPOST
Permit	75%		.047LB	AI/A	1OZ/A		MIDPOST
LSD (P=.05)	1155.6						
Standard Deviation	791.8						
CV	15.38						
Replicate F	0.074						
Replicate Prob(F)	0.9735						
Treatment F	40.671						
Treatment Prob(F)	0.0001						

LSU AgCenter

School of Plant, Environmental and Soil Sciences

AG29980 Comparison Study

Experiment number: **C14-12**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:35-3:40P	10:05-10:10A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	72/68
Relative humidity [%]	73	62
Wind [mph, direction]	5-8/S	6-8/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	JCF	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-10m ⁻²)	1-3"/2-5lf
CYPES(10-20m ⁻²)	3-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf
AESIN(2-5m ⁻²)	1-3"/cot-3lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

AG29980 Comparison Study

Trial ID:C14-12 Location:RRS-Crowley, LA
 Protocol ID:C14-12 Investigator:Eric P. Webster

Pest Code						CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date						5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						10 DAT	28 DAT	44 DAT	56 DAT	10 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						
1Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0c	0b	0a	0b	0b
Nontreated										
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		94a	98a	98a	93a	98a
Halomax	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		86b	98a	98a	90a	97a
Permit Plus	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
4Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		91ab	97a	98a	93a	97a
AG29980	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
5Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		93ab	98a	98a	92a	95a
Strada Pro	54%	0.13LB AI/A	2.08OZ AI/A	MPOST						
LSD (P=.05)						6.4	1.2	0.0	8.3	4.6
Standard Deviation						4.2	0.7	0.0	5.4	3.0
CV						5.72	0.96	0.0	7.38	3.85
Replicate F						1.180	1.075	0.000	4.284	0.864
Replicate Prob(F)						0.3582	0.3966	1.0000	0.0284	0.4864
Treatment F						383.730	13656.403	0.000	229.656	842.273
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPSS

AG29980 Comparison Study

Trial ID:C14-12	Location:RRS-Crowley, LA
Protocol ID:C14-12	Investigator:Eric P. Webster

Pest Code						CYPIR	CYPIR	CYPIR	ALRPH	ALRPH
Rating Date						6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						28 DAT	56 DAT	56 DAT	10 DAT	28 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				
1Command	3LBA/GAL		0.3LB AI/A	12.8FL	OZ/A	PRE	0b	0a	0c	0b
Nontreated										
2Command	3LBA/GAL		0.3LB AI/A	12.8FL	OZ/A	PRE	98a	98a	95ab	98a
Halomax	75%AW/W		.047LB AI/A	.75OZ	AI/A	MPOST				93a
3Command	3LBA/GAL		0.3LB AI/A	12.8FL	OZ/A	PRE	98a	98a	93b	98a
Permit Plus	75%AW/W		.047LB AI/A	.75OZ	AI/A	MPOST				93a
4Command	3LBA/GAL		0.3LB AI/A	12.8FL	OZ/A	PRE	98a	98a	98a	97a
AG29980	75%AW/W		.047LB AI/A	.75OZ	AI/A	MPOST				93a
5Command	3LBA/GAL		0.3LB AI/A	12.8FL	OZ/A	PRE	98a	98a	96ab	98a
Strada Pro	54%		0.13LB AI/A	2.08OZ	AI/A	MPOST				90a
LSD (P=.05)						0.6	0.0	4.5	1.1	7.0
Standard Deviation						0.4	0.0	2.9	0.7	4.5
CV						0.53	0.0	3.8	0.91	6.17
Replicate F						0.762	0.000	1.069	1.410	0.183
Replicate Prob(F)						0.5368	1.0000	0.3985	0.2880	0.9061
Treatment F						43681.000	0.000	868.952	15018.836	328.768
Treatment Prob(F)						0.0001	1.0000	0.0001	0.0001	0.0000

LSU AgCenter SPESS

AG29980 Comparison Study

Trial ID:C14-12 Location:RRS-Crowley, LA
 Protocol ID:C14-12 Investigator:Eric P. Webster

Pest Code						ALRPH	ALRPH	AESIN	AESIN	AESIN
Rating Date						6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						44 DAT	56 DAT	10 DAT	28 DAT	44 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						
1Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0b	0b	0b	0b	0b
Nontreated										
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		86a	80a	98a	98a	98a
Halomax	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		94a	89a	97a	98a	98a
Permit Plus	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
4Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		90a	86a	96a	98a	98a
AG29980	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
5Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		94a	91a	98a	98a	98a
Strada Pro	54%	0.13LB AI/A	2.08OZ AI/A	MPOST						
LSD (P=.05)						9.8	13.1	2.7	0.8	0.6
Standard Deviation						6.3	8.5	1.8	0.5	0.4
CV						8.7	12.28	2.26	0.65	0.49
Replicate F						2.049	0.274	2.092	0.194	2.667
Replicate Prob(F)						0.1607	0.8427	0.1548	0.8988	0.0951
Treatment F						165.991	83.837	2441.539	29552.226	51483.000
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

AG29980 Comparison Study

Trial ID:C14-12 Location:RRS-Crowley, LA
 Protocol ID:C14-12 Investigator:Eric P. Webster

Pest Code						AESIN	SEBEX	SEBEX	SEBEX	RICE
Rating Date						6/30/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						56 DAT	28 DAT	44 DAT	56 DAT	10 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						
1Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0b	0b	0a	0b	0a
Nontreated										
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		98a	98a	98a	96a	0a
Halomax	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		98a	98a	98a	96a	0a
Permit Plus	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
4Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		96a	98a	98a	97a	0a
AG29980	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
5Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		98a	97a	98a	98a	0a
Strada Pro	54%	0.13LB AI/A	2.08OZ AI/A	MPOST						
LSD (P=.05)						2.7	1.1	0.0	4.1	0.0
Standard Deviation						1.8	0.7	0.0	2.6	0.0
CV						2.29	0.88	0.0	3.41	0.0
Replicate F						1.105	1.263	0.000	0.905	0.000
Replicate Prob(F)						0.3852	0.3309	1.0000	0.4675	1.0000
Treatment F						2393.105	16052.789	0.000	1074.136	0.000
Treatment Prob(F)						0.0001	0.0001	1.0000	0.0001	1.0000

LSU AgCenter SPESS

AG29980 Comparison Study

Trial ID:C14-12 Location:RRS-Crowley, LA
 Protocol ID:C14-12 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						6/18/2014	6/2/2014	6/30/2014	8/13/2014	8/13/2014
Rating Type						INJURY	INJURY	INJURY	AVG HT	MOISTURE
Rating Unit						%	%	%	cm	%
Trt-Eval Interval						28 DAT	44 DAT	56 DAT	HARVEST	HARVEST
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						
1Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0a	0a	0a	105a	20a
Nontreated										
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0a	0a	0a	104a	20a
Halomax	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0a	0a	0a	104a	20a
Permit Plus	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
4Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0a	0a	0a	106a	20a
AG29980	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST						
5Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		0a	0a	0a	104a	20a
Strada Pro	54%	0.13LB AI/A	2.08OZ AI/A	MPOST						
LSD (P=.05)						0.0	0.0	0.0	3.2	0.0
Standard Deviation						0.0	0.0	0.0	2.1	0.0
CV						0.0	0.0	0.0	1.98	0.0
Replicate F						0.000	0.000	0.000	4.055	0.000
Replicate Prob(F)						1.0000	1.0000	1.0000	0.0333	1.0000
Treatment F						0.000	0.000	0.000	1.025	0.000
Treatment Prob(F)						1.0000	1.0000	1.0000	0.4333	1.0000

LSU AgCenter SPESS

AG29980 Comparison Study

Trial ID:C14-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C14-12 Investigator:Eric P. Webster

Pest Code						RICE	RICE
Rating Date						8/13/2014	8/13/2014
Rating Type						YIELD	YIELD
Rating Unit						LB/A	kg/ha
Trt-Eval Interval						HARVEST	HARVEST
Number of Decimals						0	0
Trt Treatment	Form Form	Rate	Other	Other	Growth		
No. Name	Conc Unit	Rate Unit	Rate	Rate Unit	Stage		
1Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		5636b	6317b
Nontreated							
2Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		7143a	8006a
Halomax	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST			
3Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		7882a	8834a
Permit Plus	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST			
4Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		7024a	7872a
AG29980	75%AW/W	.047LB AI/A	.75OZ AI/A	MPOST			
5Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		7475a	8378a
Strada Pro	54%	0.13LB AI/A	2.08OZ AI/A	MPOST			
LSD (P=.05)						1033.1	1158.0
Standard Deviation						670.5	751.6
CV						9.54	9.54
Replicate F						2.253	2.253
Replicate Prob(F)						0.1345	0.1345
Treatment F						6.407	6.407
Treatment Prob(F)						0.0054	0.0054

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Regiment with RiceShot Interactions

Experiment number: **C14-13**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/14
 Uniform std. treatment: N/A

Application type: MPOST
 Date applied [mm/dd/yy]: 5/5/14
 Time [hh:mm-hh:mm]: 1:45-2:00P
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 80/78
 Relative humidity [%]: 45
 Wind [mph, direction]: 9-12, SW
 Weather [sunny, etc]: sunny
 Soil/Leaf surface moist: wet/dry
 Crop stage/Height: N/A
 Sprayer type/MPH: CO₂BkPk/3
 Nozzle type/Size*: AMFF/110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/22
 Applied by: EPW

Weed Species (population): (height/#leaves) -
 CYPES(50-75m⁻²): 2-8"/3-9lf
 BRAPP(100-150m⁻²): 1-4"/1-5lf
 CNPPA(5-10m⁻²): 0.25-1"/cot
 ECHCG(10-30m⁻²): 0.5-2"/1-3lf
 ALRPH(15-30m⁻²): 1-7"/4-8lf

Flush Dates: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	BRAPP
Rating Date						5/15/2014	6/2/2014	6/18/2014	6/30/2014	5/15/2014
Rating Type						INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						10 DAT	32 DAT	48 DAT	60 DAT	10 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						
1Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	1a	0a	0a	0a	95abc
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
2Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	0a	0a	0a	0a	97abc
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
3Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	0a	0a	0a	0a	97ab
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
4Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	0a	0a	0a	0a	98a
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
5Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	0a	0a	0a	0a	89d
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
6No Herbicide						0a	0a	0a	0a	93bcd
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
7No Herbicide						0a	0a	0a	0a	93cd
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
8No Herbicide						0a	0a	0a	0a	96abc
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
9No Herbicide						0a	0a	0a	0a	95abc
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
10No Herbicide						0a	0a	0a	0a	0e
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
LSD (P=.05)						1.1	0.0	0.0	0.0	4.3
Standard Deviation						0.8	0.0	0.0	0.0	3.0
CV						632.46	0.0	0.0	0.0	3.52
Replicate F						1.000	0.000	0.000	0.000	2.349
Replicate Prob(F)						0.4079	1.0000	1.0000	1.0000	0.0948
Treatment F						1.000	0.000	0.000	0.000	402.217
Treatment Prob(F)						0.4635	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date						6/2/2014	6/18/2014	6/30/2014	5/15/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						32 DAT	48 DAT	60 DAT	10 DAT	32 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					
1Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	75cde	98a	91a	96a	73bc
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
2Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	81ab	98a	91a	96a	81a
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
3Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	84a	97a	92a	95a	83a
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
4Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	80abc	98a	93a	96a	81a
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
5Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	78bcd	97a	92a	90b	78ab
Dyne-A-Pak	100%	1%	V/V	1%V/V	MPOST					
6No Herbicide						71e	97a	85b	96a	69c
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
7No Herbicide						73de	98a	92a	95a	73bc
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
8No Herbicide						78bcd	97a	92a	96a	78ab
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
9No Herbicide						75cde	98a	93a	97a	81a
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
10No Herbicide						0f	0b	0c	0c	0d
Dyne-A-Pak	100%	1%	V/V	1%V/V	MPOST					
LSD (P=.05)						6.0	1.3	4.9	3.5	5.5
Standard Deviation						4.2	0.9	3.4	2.4	3.8
CV						6.01	1.04	4.14	2.82	5.42
Replicate F						1.186	3.314	1.689	0.216	1.021
Replicate Prob(F)						0.3335	0.0349	0.1928	0.8843	0.3988
Treatment F						140.153	4597.939	289.841	621.588	173.661
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code							ECHCG	ECHCG	CYPES	CYPES	CYPES
Rating Date							6/18/2014	6/30/2014	5/15/2014	6/2/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							48 DAT	60 DAT	10 DAT	32 DAT	48 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								
1Regiment	80%	0.025LB AI/A	0.5OZ/A	MPOST			98 a	85 c	76 cd	65 bc	89 cd
Propanil	4 LBA/GAL	1LB AI/A	1QT/A	MPOST							
2Regiment	80%	0.025LB AI/A	0.5OZ/A	MPOST			97 a	90 abc	79 bc	78 a	90 bcd
Propanil	4 LBA/GAL	2LB AI/A	2QT/A	MPOST							
3Regiment	80%	0.025LB AI/A	0.5OZ/A	MPOST			98 a	89 abc	88 a	78 a	98 a
Propanil	4 LBA/GAL	3LB AI/A	3QT/A	MPOST							
4Regiment	80%	0.025LB AI/A	0.5OZ/A	MPOST			98 a	92 a	89 a	78 a	96 ab
Propanil	4 LBA/GAL	4LB AI/A	4QT/A	MPOST							
5Regiment	80%	0.025LB AI/A	0.5OZ/A	MPOST			98 a	89 abc	71 de	70 abc	89 cd
Dyne-A-Pak	100%	1% V/V	1%V/V	MPOST							
6No Herbicide							95 b	76 d	66 e	63 c	88 d
Propanil	4 LBA/GAL	1LB AI/A	1QT/A	MPOST							
7No Herbicide							98 a	89 abc	70 e	74 ab	88 cd
Propanil	4 LBA/GAL	2LB AI/A	2QT/A	MPOST							
8No Herbicide							96 ab	86 bc	86 a	73 ab	95 abc
Propanil	4 LBA/GAL	3LB AI/A	3QT/A	MPOST							
9No Herbicide							98 a	91 ab	84 ab	73 ab	91 bcd
Propanil	4 LBA/GAL	4LB AI/A	4QT/A	MPOST							
10No Herbicide							0 c	0 e	0 f	0 d	0 e
Dyne-A-Pak	100%	1% V/V	1%V/V	MPOST							
LSD (P=.05)							2.7	5.6	5.5	9.6	7.2
Standard Deviation							1.8	3.9	3.8	6.6	5.0
CV							2.09	4.94	5.32	10.18	6.04
Replicate F							0.945	0.656	1.683	0.320	0.656
Replicate Prob(F)							0.4329	0.5862	0.1942	0.8106	0.5864
Treatment F							1134.468	207.770	191.517	50.105	137.437
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code						CYPES	CNPPA	CNPPA	CNPPA	CNPPA
Rating Date						6/30/2014	5/15/2014	6/2/2014	6/18/2014	6/30/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						60 DAT	10 DAT	32 DAT	48 DAT	60 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						
1Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	86 ab	90 ab	85bc	97ab	93 a
Propanil	4 LBA/GAL	1LB	AI/A	1QT/A	MPOST					
2Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	92 a	90 ab	91ab	97ab	92 ab
Propanil	4 LBA/GAL	2LB	AI/A	2QT/A	MPOST					
3Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	89 a	95 a	91 a	94ab	92 ab
Propanil	4 LBA/GAL	3LB	AI/A	3QT/A	MPOST					
4Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	88 a	88 ab	83 c	98 a	92 ab
Propanil	4 LBA/GAL	4LB	AI/A	4QT/A	MPOST					
5Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	87 ab	91 ab	91ab	98 a	92 ab
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
6No Herbicide						87 ab	85b	75d	92b	88bc
Propanil	4 LBA/GAL	1LB	AI/A	1QT/A	MPOST					
7No Herbicide						81 b	86b	81 c	95ab	78 d
Propanil	4 LBA/GAL	2LB	AI/A	2QT/A	MPOST					
8No Herbicide						86 ab	88 ab	85bc	95ab	86 c
Propanil	4 LBA/GAL	3LB	AI/A	3QT/A	MPOST					
9No Herbicide						86 ab	89ab	85bc	98 a	91 ab
Propanil	4 LBA/GAL	4LB	AI/A	4QT/A	MPOST					
10No Herbicide						0 c	0 c	0e	0 c	0e
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
LSD (P=.05)						6.2	8.0	6.2	6.3	4.5
Standard Deviation						4.3	5.5	4.2	4.4	3.1
CV						5.45	6.9	5.54	5.06	3.9
Replicate F						1.434	0.718	0.719	0.785	0.317
Replicate Prob(F)						0.2548	0.5501	0.5495	0.5128	0.8127
Treatment F						167.985	104.761	166.371	193.887	333.334
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code						ALRPH	ALRPH	ALRPH	ALRPH	RICE
Rating Date						5/15/2014	6/2/2014	6/18/2014	6/30/2014	8/13/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	AVG HT
Rating Unit						%	%	%	%	cm
Trt-Eval Interval						10 DAT	32 DAT	48 DAT	60 DAT	HARVEST
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						
1Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	84b	85a	92ab	85a	96a
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
2Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	91ab	83a	95ab	79ab	99a
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
3Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	94a	85a	90ab	83a	99a
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
4Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	91ab	85a	94ab	81a	99a
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
5Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	88ab	85a	98a	88a	99a
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
6No Herbicide						69c	73b	71c	68c	99a
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST					
7No Herbicide						86ab	78ab	92ab	71bc	96a
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
8No Herbicide						88ab	80ab	87b	79ab	100a
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
9No Herbicide						88ab	73b	93ab	82a	98a
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST					
10No Herbicide						0d	0c	0d	0d	97a
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST					
LSD (P=.05)						8.6	7.5	9.0	9.8	5.5
Standard Deviation						5.9	5.2	6.2	6.7	3.8
CV						7.6	7.17	7.67	9.43	3.87
Replicate F						0.913	4.562	3.403	3.050	1.215
Replicate Prob(F)						0.4480	0.0104	0.0319	0.0456	0.3233
Treatment F						90.996	99.658	89.510	58.695	0.561
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.8166

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C14-13 Location:RRS-Crowley, LA
 Protocol ID:C14-13 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							8/13/2014	8/13/2014	8/13/2014
Rating Type							MOISTURE	YIELD	YIELD
Rating Unit							%	LB/A	kg/ha
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt Treatment	Form Form	Rate	Other	Other	Growth				
No. Name	Conc Unit	Rate Unit	Rate	Rate Unit	Stage				
1Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	18 a	8103abc	9083abc	
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST				
2Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	18 a	7907a-d	8862a-d	
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
3Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	18 a	8253ab	9250 ab	
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
4Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	18 a	7263d	8141 d	
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST				
5Regiment	80%	0.025LB	AI/A	0.5OZ/A	MPOST	18 a	7359cd	8248 cd	
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST				
6No Herbicide						18 a	8057abc	9031abc	
Propanil	4LBA/GAL	1LB	AI/A	1QT/A	MPOST				
7No Herbicide						18 a	6479e	7262 e	
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
8No Herbicide						18 a	8340a	9348 a	
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
9No Herbicide						18 a	7555bcd	8468bcd	
Propanil	4LBA/GAL	4LB	AI/A	4QT/A	MPOST				
10No Herbicide						18 a	5113f	5731 f	
Dyne-A-Pak	100%	1% V/V		1%V/V	MPOST				
LSD (P=.05)						0.0	751.3	842.1	
Standard Deviation						0.0	517.8	580.3	
CV						0.0	6.96	6.96	
Replicate F						0.000	0.241	0.241	
Replicate Prob(F)						1.0000	0.8668	0.8668	
Treatment F						0.000	14.751	14.751	
Treatment Prob(F)						1.0000	0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Strada and Halomax at Different Rates in Drill-Seeded Rice

Experiment number: **C14-16**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/13/14
 Uniform std. treatment: N/A

Application type	PRE	3-4LF
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:40-3:45P	10:20-10:35A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	72/68
Relative humidity [%]	73	54
Wind [mph, direction]	5-8/S	6-8/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	EB	BM

Weed Species (population)	----- (height/#leaves) -----
BRAPP(100-150m ⁻²)	0.5-3"/1-4lf
SEBEX(5-10m ⁻²)	1-3"/cot-4lf
CNPPA(5-10m ⁻²)	1-3"/cot-5lf
CYPES(15-30m ⁻²)	2-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf
COMDI(1-3m ⁻²)	1-3"/2-4lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID:C14-16	Location:RRS-Crowley, LA
Protocol ID:C14-16	Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date								5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								10 DAT	26 DAT	42 DAT	54 DAT	10 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	No Strada											
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
2	No Strada											
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
3	No Strada											
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
4	No Strada											
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
5	No Strada											
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
6	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
7	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
8	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
9	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
10	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
LSD (P=.05)								6.1	0.5	0.5	0.5	5.5
Standard Deviation								4.2	0.3	0.4	0.3	3.8
CV								5.58	0.38	0.41	0.38	4.55
Replicate F								0.406	1.976	0.712	1.976	8.683
Replicate Prob(F)								0.7496	0.1414	0.5532	0.1414	0.0003
Treatment F								160.339	33789.488	29933.547	33827.341	239.608
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0000

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID: C14-16	Location: RRS-Crowley, LA
Protocol ID: C14-16	Investigator: Eric P. Webster

Pest Code							CYPIR	CYPIR	CYPIR	ALRPH	ALRPH	ALRPH
Rating Date							6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							26 DAT	42 DAT	54 DAT	10 DAT	26 DAT	42 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	No Strada											
	No Halomax											
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
2	No Strada											
	Halomax	75%		.0117	LB AI/A	0.25	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
3	No Strada											
	Halomax	75%		.0234	LB AI/A	0.5	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
4	No Strada											
	Halomax	75%		0.035	LB AI/A	0.75	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
5	No Strada											
	Halomax	75%		.047	LB AI/A	1	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
6	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	No Halomax											
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
7	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.0117	LB AI/A	0.25	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
8	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.0234	LB AI/A	0.5	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
9	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		0.035	LB AI/A	0.75	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
10	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.047	LB AI/A	1	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
LSD (P=.05)							0.3	0.5	0.5	7.4	13.3	5.8
Standard Deviation							0.2	0.3	0.3	5.1	9.2	4.0
CV							0.26	0.39	0.36	6.93	11.42	4.87
Replicate F							0.643	1.305	3.617	2.303	1.316	3.966
Replicate Prob(F)							0.5941	0.2930	0.0258	0.0995	0.2896	0.0183
Treatment F							74004.857	31761.550	38885.636	106.895	41.201	213.792
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID:C14-16	Location:RRS-Crowley, LA
Protocol ID:C14-16	Investigator:Eric P. Webster

Pest Code							ALRPH	CNPPA	CNPPA	CNPPA	CNPPA	AESIN
Rating Date							6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							54 DAT	10 DAT	26 DAT	42 DAT	54 DAT	10 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			
1	No Strada											
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
2	No Strada											
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
3	No Strada											
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
4	No Strada											
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
5	No Strada											
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
6	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
7	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
8	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
9	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
10	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF			
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
LSD (P=.05)							6.2	8.3	4.6	1.9	1.9	6.1
Standard Deviation							4.3	5.7	3.2	1.3	1.3	4.2
CV							5.38	7.03	3.65	1.45	1.52	4.92
Replicate F							1.476	8.357	0.899	1.519	1.351	5.351
Replicate Prob(F)							0.2434	0.0004	0.4544	0.2320	0.2789	0.0050
Treatment F							173.576	100.572	371.941	2339.873	2136.893	205.290
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID:C14-16	Location:RRS-Crowley, LA
Protocol ID:C14-16	Investigator:Eric P. Webster

Pest Code							AESIN	AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date							6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							26 DAT	42 DAT	54 DAT	10 DAT	26 DAT	42 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			
1	No Strada											
	No Halomax											
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
2	No Strada											
	Halomax	75%		.0117	LB AI/A	0.25	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
3	No Strada											
	Halomax	75%		.0234	LB AI/A	0.5	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
4	No Strada											
	Halomax	75%		0.035	LB AI/A	0.75	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
5	No Strada											
	Halomax	75%		.047	LB AI/A	1	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
6	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	No Halomax											
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
7	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.0117	LB AI/A	0.25	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
8	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.0234	LB AI/A	0.5	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
9	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		0.035	LB AI/A	0.75	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
10	Strada	50%		.072	LB AI/A	2.3	OZ/A	3-4	LEAF			
	Halomax	75%		.047	LB AI/A	1	OZ/A	3-4	LEAF			
	Agri-Dex	100%		1%	V/V			3-4	LEAF			
LSD (P=.05)							0.0	0.5	2.1	5.0	0.5	0.5
Standard Deviation							0.0	0.4	1.4	3.5	0.3	0.3
CV							0.0	0.41	1.62	4.04	0.38	0.35
Replicate F							0.000	1.286	1.535	1.809	2.613	1.385
Replicate Prob(F)							1.0000	0.2993	0.2280	0.1694	0.0717	0.2688
Treatment F							0.000	29736.943	1879.334	303.962	33573.968	39984.692
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID:C14-16 Location:RRS-Crowley,LA
Protocol ID:C14-16 Investigator:Eric P. Webster

Pest Code							SEBEX	RICE	RICE	RICE	RICE	RICE
Rating Date							6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014	8/14/2014
Rating Type							CONTROL	INJURY	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	%	cm
Trt-Eval Interval							54 DAT	10 DAT	26 DAT	42 DAT	54 DAT	HARVEST
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			
1	No Strada									0b	0a	100a
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
2	No Strada									98a	0a	101a
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
3	No Strada									98a	0a	101a
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
4	No Strada									98a	0a	103a
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
5	No Strada									98a	0a	101a
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
6	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	98a	0a	105a
	No Halomax											
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
7	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	98a	0a	100a
	Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
8	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	98a	0a	103a
	Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
9	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	98a	0a	101a
	Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
10	Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	98a	0a	104a
	Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
	Agri-Dex	100%		1%	V/V				3-4 LEAF			
LSD (P=.05)							0.5	0.0	0.0	0.0	0.0	6.7
Standard Deviation							0.4	0.0	0.0	0.0	0.0	4.7
CV							0.42	0.0	0.0	0.0	0.0	4.57
Replicate F							0.184	0.000	0.000	0.000	0.000	0.131
Replicate Prob(F)							0.9066	1.0000	1.0000	1.0000	1.0000	0.9406
Treatment F							28304.510	0.000	0.000	0.000	0.000	0.577
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000	1.0000	0.8037

LSU AgCenter SPESS

Strada + Halomax at Different Rates in Drill-Seeded Rice

Trial ID:C14-16 Location:RRS-Crowley, LA
Protocol ID:C14-16 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									8/14/2014	8/14/2014	8/14/2014
Rating Type									MOISTURE	YIELD	YIELD
Rating Unit									%	LB	kg/ha
Trt-Eval Interval									HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1No Strada									19a	6181e	6928e
No Halomax											
Agri-Dex	100%		1%	V/V				3-4 LEAF			
2No Strada									19a	7032a-d	7882a-d
Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
3No Strada									20a	7622a	8542a
Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
4No Strada									20a	6329de	7094de
Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
5No Strada									20a	7211abc	8082abc
Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
6Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	20a	7676a	8604a
No Halomax											
Agri-Dex	100%		1%	V/V				3-4 LEAF			
7Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	20a	6731b-e	7544b-e
Halomax	75%		.0117LB	AI/A	0.25OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
8Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	20a	6723b-e	7536b-e
Halomax	75%		.0234LB	AI/A	0.5OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
9Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	20a	6416cde	7192cde
Halomax	75%		0.035LB	AI/A	0.75OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
10Strada	50%		.072LB	AI/A	2.3OZ/A			3-4 LEAF	20a	7332ab	8218ab
Halomax	75%		.047LB	AI/A	1OZ/A			3-4 LEAF			
Agri-Dex	100%		1%	V/V				3-4 LEAF			
LSD (P=.05)									0.3	824.0	923.5
Standard Deviation									0.2	567.9	636.5
CV									1.08	8.2	8.2
Replicate F									62.250	0.369	0.369
Replicate Prob(F)									0.0001	0.7763	0.7763
Treatment F									1.000	3.520	3.520
Treatment Prob(F)									0.4635	0.0053	0.0053

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Strada with RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Experiment number: **C14-17**
 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: CL151
 Planting date: 4/1/14
 Emergence date: 4/15/14
 Harvest date: 8/11/14
 Uniform std. treatment: N/A

Application type	DPRE	3-4LF
Date applied [mm/dd/yy]	4/8/14	5/5/14
Time [hh:mm-hh:mm].....	10:40-10:55A	3:10-3:30P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F].....	62/60	83/81
Relative humidity [%]	72	42
Wind [mph, direction]	8-10/W	5-9, SW
Weather [sunny, etc].....	sunny	sunny
Soil/Leaf surface moist	dry	dry/dry
Crop stage/Height.....	N/A	3-4lf/5-7"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*.....	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing.....	15/5/15	15/5/15
GPA/PSI.....	15/22	15/22
Applied by	EAB	EPW

Weed Species (population)	----- (height/#leaves) -----
BRAPP(50-150m ⁻²).....	0.5-3"/2-6lf
CYPES(50-100m ⁻²).....	0.5-8"/3-10lf
CYPIR(50-100m ⁻²)...	0.5-1"/1-3lf
CNPPA(2-5m ⁻²).....	0.5-1"/cot-3lf
SEBEX(2-5m ⁻²).....	0.5-2"/cot-3lf

Flush Dates.....: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date								5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								11 DAT	28 DAT	44 DAT	56 DAT	11 DAT	28 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	Rate Unit	Stage								
1Command	3LB/GAL	0.3LB AI/A	12.8FL OZ/A	DPRE				0c	0e	0d	0c	0c	0d
2Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE				97ab	96d	95bc	98a	98ab	96c
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
3Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE				98ab	97cd	97ab	99a	98ab	98ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF									
4Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE				98ab	97bcd	97ab	99a	98ab	97bc
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
5Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE				98ab	97a-d	98ab	99a	98ab	97bc
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF									
6Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				98ab	96cd	93c	94b	99a	97bc
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
7Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				98ab	98abc	98ab	98a	98ab	98ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF									
8Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				97b	98abc	98ab	99a	97b	98ab
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
9Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				99a	98abc	98a	98a	99a	98ab
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF									
10Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				98ab	97bcd	97ab	99a	97b	98ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE									
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
11Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				99a	99ab	99a	98a	99ab	98ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE									
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF									
12Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				97ab	97cd	98ab	99a	98ab	97bc
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE									
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
13Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE				98ab	97a-d	98ab	99a	99ab	98ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE									
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF									
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF									

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 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			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE	98ab	99a	98a
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF			
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF			
LSD (P=.05)					2.2	1.8	3.7
Standard Deviation					1.5	1.3	2.6
CV					1.68	1.43	2.88
Replicate F					0.183	0.570	1.008
Replicate Prob(F)					0.9071	0.6380	0.3997
Treatment F					1170.289	1616.421	401.784
Treatment Prob(F)					0.0001	0.0001	0.0001

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice
--

Pest Code							ECHCG	ECHCG	CYPES	CYPES	CYPES
Rating Date							6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							44 DAT	56 DAT	11 DAT	28 DAT	44 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	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	DPRE	0c	0d	0e
2	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		DPRE	93b	97ab	50cd
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			50de
3	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		DPRE	97a	98ab	45d
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			69bc
	Strada	50%		.072LB	AI/A	2.3OZ/A		3-4 LEAF			85ab
4	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		DPRE	97a	99a	59abc
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			43e
5	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		DPRE	98a	99a	51cd
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			80b
	Strada	50%		.072LB	AI/A	2.3OZ/A		3-4 LEAF			79bc
6	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	91b	90c	54bcd
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			54de
7	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	95ab	95b	64ab
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			74b
	Strada	50%		.072LB	AI/A	2.3OZ/A		3-4 LEAF			76bcd
8	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	98a	98ab	58abc
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			53de
9	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	98a	98ab	59abc
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			78b
	Strada	50%		0.072LB	AI/A	2.3OZ/A		3-4 LEAF			79bc
10	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	97a	99a	58abc
	Facet L	1.5LB/GAL		0.375LB	AI/A	32OZ/A		DPRE			58cd
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			63de
11	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	99a	98a	68a
	Facet L	1.5LB/GAL		0.375LB	AI/A	32OZ/A		DPRE			78b
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		3-4 LEAF			86ab
	Strada	50%		0.072LB	AI/A	2.3OZ/A		3-4 LEAF			
12	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	98a	99a	48cd
	Facet L	1.5LB/GAL		0.375LB	AI/A	32OZ/A		DPRE			53de
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			56e
13	Prowl H2O	3.8LB/GAL		1LB	AI/A	33.7OZ/A		DPRE	98a	99a	58abc
	Facet L	1.5LB/GAL		0.375LB	AI/A	32OZ/A		DPRE			80b
	RiceBeaux	6LB/GAL		4.5LB	AI/A	3QT/A		3-4 LEAF			89ab
	Strada	50%		0.072LB	AI/A	2.3OZ/A					

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code	ECHCG	ECHCG	CYPES	CYPES	CYPES
Rating Date	6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	44 DAT	56 DAT	11 DAT	28 DAT	44 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	
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE	
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF	
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF	
LSD (P=.05)	4.0	3.3	11.7	11.4	15.2
Standard Deviation	2.8	2.3	8.2	8.0	10.6
CV	3.13	2.53	15.5	12.88	15.92
Replicate F	2.146	2.583	0.257	3.436	1.047
Replicate Prob(F)	0.1101	0.0671	0.8556	0.0260	0.3828
Treatment F	341.013	521.015	16.555	35.172	22.065
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 Investigator:Eric P. Webster

Pest Code						CYPES	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date						6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						56 DAT	11 DAT	28 DAT	44 DAT	56 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	Rate Unit	Stage					
1Command	3LB/GAL	0.3LB AI/A	12.8FL OZ/A	DPRE		0g	0c	0d	0e	0d
2Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		43f	97ab	95c	96d	98bc
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
3Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		60de	98ab	98ab	97c	99ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF						
4Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		43f	96b	97ab	98abc	99abc
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
5Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		73cd	98ab	98ab	99a	98c
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF						
6Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		33f	98ab	96bc	97c	99abc
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
7Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		78c	98ab	96bc	98abc	99ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF						
8Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		39f	98ab	98ab	98abc	99abc
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
9Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		91ab	98ab	99a	98abc	99ab
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF						
10Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		59e	98ab	98ab	98abc	99a
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE						
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
11Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		85bc	98ab	99a	99ab	99a
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE						
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF						
12Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		38f	99a	98ab	97bc	99ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE						
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
13Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		91ab	97ab	99a	98abc	98bc
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE						
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF						

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code		CYPES	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date		6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014
Rating Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%
Trt-Eval Interval		56 DAT	11 DAT	28 DAT	44 DAT	56 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			
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF		
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF		
LSD (P=.05)		12.7	2.1	2.3	1.3	0.6
Standard Deviation		8.9	1.5	1.6	0.9	0.4
CV		15.05	1.61	1.79	1.03	0.48
Replicate F		0.919	3.973	0.224	1.147	1.066
Replicate Prob(F)		0.4408	0.0146	0.8790	0.3422	0.3748
Treatment F		40.224	1284.034	1038.060	3136.273	14196.878
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 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						
No. Name	Conc Unit	Rate Unit	Rate Unit	Rate Unit	Stage						
1Command	3LB/GAL	0.3LB AI/A	12.8FL OZ/A	DPRE		0e	0e	0c	0c	0e	0d
2Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		35d	56d	95b	83b	73c	93ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
3Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		64c	79bc	98a	98a	78bc	86ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF							
4Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		79abc	97a	99a	98a	93a	97a
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
5Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		69c	99a	98a	99a	83abc	98a
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF							
6Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		58cd	70cd	97a	96a	30d	51c
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
7Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		74abc	88ab	99a	98a	85ab	94ab
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB AI/A	2.3OZ/A	3-4 LEAF							
8Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		93ab	96a	98a	98a	88ab	80b
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
9Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		70bc	99a	98a	98a	83abc	94ab
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF							
10Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		78abc	96a	97a	99a	80bc	94ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE							
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
11Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		94a	99a	99a	99a	83abc	90ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE							
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF							
12Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		93ab	98a	98a	99a	76bc	87ab
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE							
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
13Prowl H2O	3.8LB/GAL	1LB AI/A	33.7OZ/A	DPRE		93ab	99a	98a	99a	84abc	99a
Facet L	1.5LB/GAL	0.375LB AI/A	32OZ/A	DPRE							
RiceBeaux	6LB/GAL	4.5LB AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB AI/A	2.3OZ/A	3-4 LEAF							

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code	CNPPA	CNPPA	CNPPA	CNPPA	COMDI	COMDI
Rating Date	5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	11 DAT	28 DAT	44 DAT	56 DAT	11 DAT	28 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		
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE		
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF		
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF		
LSD (P=.05)	23.7	15.3	1.8	3.8	12.3	16.7
Standard Deviation	16.6	10.7	1.3	2.7	8.6	11.7
CV	23.39	12.8	1.42	2.95	11.91	14.07
Replicate F	4.332	1.169	0.784	1.452	2.740	2.668
Replicate Prob(F)	0.0099	0.3341	0.5101	0.2426	0.0562	0.0610
Treatment F	10.271	26.205	1648.324	391.063	34.949	21.092
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 Investigator:Eric P. Webster

Pest Code							COMDI	ALRPH	ALRPH	ALRPH	ALRPH	ECLAL
Rating Date							6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014	6/2/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							56 DAT	11 DAT	28 DAT	44 DAT	56 DAT	28 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	Rate Unit	Unit Stage							
1Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A DPRE	0c	0d	0a	0a	0d	0d	
2Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	97ab	25bc	0a	0a	0d	94a	
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
3Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	98ab	18bcd	0a	0a	5d	98a	
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF							
4Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	99ab	45a	0a	0a	3d	97a	
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
5Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	99ab	29abc	0a	0a	0d	99a	
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF							
6Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	96b	13cd	0a	0a	0d	38c	
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
7Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	99ab	20bc	0a	0a	0d	85b	
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF							
8Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	99a	18bcd	0a	0a	0d	92ab	
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
9Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	99a	25bc	0a	0a	0d	99a	
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF							
10Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	33ab	0a	0a	5d	98a	
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE							
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
11Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	97ab	35ab	0a	0a	48b	98a	
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE							
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF							
12Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	99a	33ab	0a	0a	5d	98a	
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE							
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
13Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	99a	29abc	0a	0a	60a	99a	
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE							
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF							
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF							

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code				COMDI	ALRPH	ALRPH	ALRPH	ALRPH	ECLAL
Rating Date				6/30/2014	5/16/2014	6/2/2014	6/18/2014	6/30/2014	6/2/2014
Rating Type				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit				%	%	%	%	%	%
Trt-Eval Interval				56 DAT	11 DAT	28 DAT	44 DAT	56 DAT	28 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					
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE	99a	21bc	0a	0a	25c
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF					
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF					
LSD (P=.05)				2.6	18.6	0.0	0.0	9.7	7.9
Standard Deviation				1.8	13.0	0.0	0.0	6.8	5.5
CV				1.96	53.4	0.0	0.0	63.53	6.47
Replicate F				0.663	5.553	0.000	0.000	1.028	2.472
Replicate Prob(F)				0.5798	0.0028	1.0000	1.0000	0.3909	0.0761
Treatment F				861.670	2.847	0.000	0.000	32.905	113.598
Treatment Prob(F)				0.0001	0.0058	1.0000	1.0000	0.0001	0.0000

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17 Location:RRS-Crowley, LA
Protocol ID:C14-17 Investigator:Eric P. Webster

Pest Code							ECLAL	ECLAL	RICE	RICE	RICE
Rating Date							6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							44 DAT	56 DAT	11 DAT	28 DAT	44 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						
1Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A DPRE	0c	0c	0a	0a	0a	0a
2Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	97b	93ab	0a	0a	0a	0a
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
3Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	98ab	98a	0a	0a	0a	0a
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF						
4Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	99a	98a	0a	0a	0a	0a
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
5Command	3LB/GAL	0.3LB	AI/A	12.8OZ/A	DPRE	98ab	99a	0a	0a	0a	0a
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF						
6Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98b	86b	0a	0a	0a	0a
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
7Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	99a	0a	0a	0a	0a
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	.072LB	AI/A	2.3OZ/A	3-4 LEAF						
8Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	99a	0a	0a	0a	0a
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
9Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	99a	1a	0a	0a	0a
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF						
10Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	97b	98a	0a	0a	0a	0a
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE						
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
11Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	99a	0a	0a	0a	0a
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE						
Propanil	4LB/GAL	3LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF						
12Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98b	99a	0a	0a	0a	0a
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE						
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
13Prowl H2O	3.8LB/GAL	1LB	AI/A	33.7OZ/A	DPRE	98ab	99a	0a	0a	0a	0a
Facet L	1.5LB/GAL	0.375LB	AI/A	32OZ/A	DPRE						
RiceBeaux	6LB/GAL	4.5LB	AI/A	3QT/A	3-4 LEAF						
Strada	50%	0.072LB	AI/A	2.3OZ/A	3-4 LEAF						

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code	ECLAL	ECLAL	RICE	RICE	RICE
Rating Date	6/18/2014	6/30/2014	5/16/2014	6/2/2014	6/18/2014
Rating Type	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit	%	%	%	%	%
Trt-Eval Interval	44 DAT	56 DAT	11 DAT	28 DAT	44 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	
14Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	DPRE	
Propanil	4LB/GAL	3LB AI/A	3QT/A	3-4 LEAF	
Halomax	75%	.047LB AI/A	1OZ/A	3-4 LEAF	
LSD (P=.05)	1.4	9.2	1.0	0.0	0.0
Standard Deviation	1.0	6.4	0.7	0.0	0.0
CV	1.09	7.14	748.33	0.0	0.0
Replicate F	1.431	1.191	1.000	0.000	0.000
Replicate Prob(F)	0.2484	0.3256	0.4031	1.0000	1.0000
Treatment F	2794.366	66.184	1.000	0.000	0.000
Treatment Prob(F)	0.0001	0.0001	0.4697	1.0000	1.0000

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice
--

Pest Code	Rating Date	Rating Type	Rating Unit	Trt-Eval Interval	Number of Decimals	RICE 6/30/2014 INJURY % 56 DAT 0	RICE 8/4/2014 AVG HT cm HARVEST 0	RICE 8/11/2014 MOISTURE % HARVEST 0	RICE 8/11/2014 YIELD LB/A HARVEST 0	RICE 8/11/2014 YIELD kg/ha HARVEST 0		
Trt	Treatment	Form	Form	Rate	Other	Other	Growth					
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage				
1	Command	3LB/GAL	0.3LB AI/A	12.8	FL OZ/A	DPRE		0a	103a	20a	5635e	6316e
2	Command	3LB/GAL	0.3LB AI/A	12.8	OZ/A	DPRE		0a	103a	20a	8152bcd	9137bcd
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
3	Command	3LB/GAL	0.3LB AI/A	12.8	OZ/A	DPRE		0a	103a	20a	9640a	10805a
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	.072LB AI/A	2.3	OZ/A	3-4	LEAF					
4	Command	3LB/GAL	0.3LB AI/A	12.8	OZ/A	DPRE		0a	101a	20a	7709d	8640d
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
5	Command	3LB/GAL	0.3LB AI/A	12.8	OZ/A	DPRE		0a	104a	20a	7770cd	8709cd
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	.072LB AI/A	2.3	OZ/A	3-4	LEAF					
6	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	101a	20a	7860cd	8810cd
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
7	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	104a	20a	7930cd	8888cd
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	.072LB AI/A	2.3	OZ/A	3-4	LEAF					
8	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	101a	20a	8186bcd	9175bcd
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
9	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	100a	20a	7813cd	8757cd
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	0.072LB AI/A	2.3	OZ/A	3-4	LEAF					
10	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	101a	20a	9000abc	10088abc
	Facet L	1.5LB/GAL	0.375LB AI/A	32	OZ/A	DPRE						
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
11	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	103a	20a	9244ab	10361ab
	Facet L	1.5LB/GAL	0.375LB AI/A	32	OZ/A	DPRE						
	Propanil	4LB/GAL	3LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	0.072LB AI/A	2.3	OZ/A	3-4	LEAF					
12	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	102a	20a	8515a-d	9544a-d
	Facet L	1.5LB/GAL	0.375LB AI/A	32	OZ/A	DPRE						
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
13	Prowl H2O	3.8LB/GAL	1LB AI/A	33.7	OZ/A	DPRE		0a	103a	20a	7254d	8131d
	Facet L	1.5LB/GAL	0.375LB AI/A	32	OZ/A	DPRE						
	RiceBeaux	6LB/GAL	4.5LB AI/A	3	QT/A	3-4	LEAF					
	Strada	50%	0.072LB AI/A	2.3	OZ/A	3-4	LEAF					

LSU AgCenter SPESS

Strada + RiceBeaux or Propanil Following 3 Delayed-PRE Programs in Drill-Seeded Rice

Trial ID:C14-17	Location:RRS-Crowley, LA
Protocol ID:C14-17	Investigator:Eric P. Webster

Pest Code		RICE	RICE	RICE	RICE	RICE
Rating Date		6/30/2014	8/4/2014	8/11/2014	8/11/2014	8/11/2014
Rating Type		INJURY	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit		%	cm	%	LB/A	kg/ha
Trt-Eval Interval		56 DAT	HARVEST	HARVEST	HARVEST	HARVEST
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						
14Command 3LB/GAL 0.3LB AI/A 12.8OZ/A DPRE	0a	103a	20a	9332ab	10460ab	
Propanil 4LB/GAL 3LB AI/A 3QT/A 3-4 LEAF						
Halomax 75% .047LB AI/A 1OZ/A 3-4 LEAF						
LSD (P=.05)	0.0	5.7	0.0	1272.3	1426.1	
Standard Deviation	0.0	4.0	0.0	890.3	997.9	
CV	0.0	3.91	0.0	10.93	10.93	
Replicate F	0.000	10.082	0.000	1.538	1.538	
Replicate Prob(F)	1.0000	0.0001	1.0000	0.2198	0.2198	
Treatment F	0.000	0.409	0.000	5.195	5.195	
Treatment Prob(F)	1.0000	0.9578	1.0000	0.0001	0.0001	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Strada at Different Application Timings in Water-Seeded Rice

Experiment number: **C14-18**
 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: CL151
 Planting date: 4/8/14; Replanted 4/17/14
 Emergence date: 4/25/14
 Harvest date: 8/11/14
 Uniform std. treatment: N/A

Application type	PRE	24hr POST SFL	PEGGING	POSTFL
Date applied [mm/dd/yy]	4/7/13	4/10/14	4/24/14	5/1/14
Time [hh:mm-hh:mm]	1:40-1:45P	9:24-9:25A	8:53-8:55A	10:30-10:45A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	80/65	64/60	70/60	64/65
Relative humidity [%]	68%	56	95	42
Wind [mph, direction]	8-12/SSE	6-10/S	1-3/SE	5-8/N
Weather [sunny, etc]	pt. cloudy	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/N/A	wet/wet	flood/dry
Crop stage/Height	N/A	N/A	peg	1-3lf/1-3"
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	15/23	15/23	15/23	15/23
Applied by	EPW	CF	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----		
CYPES(5-8m ⁻²)		2-4"/2-4lf	4-8"/3-9lf
ECHCG(15-25m ⁻²)		0.5-1"/1-2lf	0.5-3"/1-3lf
HETLI(100-150m ⁻²)			0.25-0.5"/cot

Flush Dates.....: Seeding flood 4/7, 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Strada at Different Application Timings in Water-Seeded Rice

Experiment number: **C14-18**
 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: CL151
 Planting date: 4/8/14; Replanted 4/17/14
 Emergence date: 4/25/14
 Harvest date: 8/11/14
 Uniform std. treatment: N/A

Application type	3-4LF	4-5LF	1-2TILL
Date applied [mm/dd/yy]	5/13/14	5/19/14	5/26/14
Time [hh:mm-hh:mm]	9:30-9:40A	11:12-11:16A	11:20-11:25A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	78/75	79/	85/86
Relative humidity [%]	91	59	53
Wind [mph, direction]	5-7/S	6-9/SSE	5-8/SSE
Weather [sunny, etc]	sunny	sunny	pt. cloudy
Soil/Leaf surface moist	flood/dry	wet/dry	wet/dry
Crop stage/Height	4-5lf/5-7"	4-5lf	1-2til
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF110015	FF110015	FF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/23	15/23	15/21
Applied by	BMM	BMM	BMM

Weed Species (population)	(height/#leaves)		
CYPES(5-10m ⁻²)	5-10"/3-12lf	6-12"/3-12lf	6-12"/3-12lf
ECHCG(15-25m ⁻²)	2-5"/1-4lf	3-6"/1-4lf	3-6"/1-4lf
HETLI(100-150m ⁻²)	1-3"/cot-2lf	cot-spoon/1-4"	cot-spoon/1-4"

Flush Dates: 4/17, 5/1, 5/9, 5/15, 5/22
 Permanent Flood: 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Strada at Different Application Timings in Water-Seeded Rice

Trial ID:C14-18	Location:RRS-Crowley, LA
Protocol ID:C14-18	Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	ECHCG	ECHCG
Rating Date								6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type								INJURY	INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								6 DAT	25 DAT	36 DAT	50 DAT	6 DAT	25 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					
1	Nontreated								0a	0a	0a	0a	0c
2	Strada	50%	0.072LB	AI/A	2.3OZ/A			PREPLANT	0a	0a	0a	0a	73b
	Agri-Dex	100%	1%	V/V				PREPLANT					
3	Strada	50%	0.072LB	AI/A	2.3OZ/A			24PSFLOO	0a	0a	0a	0a	90a
	Agri-Dex	100%	1%	V/V				24PSFLOO					
4	Strada	50%	0.072LB	AI/A	2.3OZ/A			PEGGING	0a	0a	0a	0a	98a
	Agri-Dex	100%	1%	V/V				PEGGING					
5	Strada	50%	0.072LB	AI/A	2.3OZ/A			POSTFLOO	0a	0a	0a	0a	98a
	Agri-Dex	100%	1%	V/V				POSTFLOO					
6	Strada	50%	0.072LB	AI/A	2.3OZ/A			3-4 LEAF	0a	0a	0a	0a	93a
	Agri-Dex	100%	1%	V/V				3-4 LEAF					
7	Strada	50%	0.072LB	AI/A	2.3OZ/A			4-5 LEAF	0a	0a	0a	0a	96a
	Agri-Dex	100%	1%	V/V				4-5 LEAF					
8	Strada	50%	0.072LB	AI/A	2.3OZ/A			1 TILLER	0a	0a	0a	0a	95a
	Agri-Dex	100%	1%	V/V				1 TILLER					
LSD (P=.05)								0.0	0.0	0.0	0.0	2.0	8.2
Standard Deviation								0.0	0.0	0.0	0.0	1.4	5.6
CV								0.0	0.0	0.0	0.0	1.6	6.95
Replicate F								0.000	0.000	0.000	0.000	2.956	0.817
Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0559	0.4991
Treatment F								0.000	0.000	0.000	0.000	2560.676	143.825
Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0001	0.0000

LSU AgCenter SPSS

Strada at Different Application Timings in Water-Seeded Rice

Trial ID:C14-18	Location:RRS-Crowley, LA
Protocol ID:C14-18	Investigator:Eric P. Webster

Pest Code	ECHCG	ECHCG	CYPES	CYPES	CYPES	CYPES
Rating Date	7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	36 DAT	50 DAT	6 DAT	25 DAT	36 DAT	50 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						
1Nonreated	0c	0c	0b	0c	0c	0b
2Strada 50% 0.072LB AI/A 2.3OZ/A PREPLANT	95b	97b	95a	95b	97b	98a
Agri-Dex 100% 1% V/V PREPLANT						
3Strada 50% 0.072LB AI/A 2.3OZ/A 24PSFLOO	97ab	98a	96a	97ab	98ab	98a
Agri-Dex 100% 1% V/V 24PSFLOO						
4Strada 50% 0.072LB AI/A 2.3OZ/A PEGGING	99a	98ab	99a	98a	99a	98a
Agri-Dex 100% 1% V/V PEGGING						
5Strada 50% 0.072LB AI/A 2.3OZ/A POSTFLOO	99a	98a	96a	98a	98a	99a
Agri-Dex 100% 1% V/V POSTFLOO						
6Strada 50% 0.072LB AI/A 2.3OZ/A 3-4 LEAF	96ab	99a	99a	97ab	99a	99a
Agri-Dex 100% 1% V/V 3-4 LEAF						
7Strada 50% 0.072LB AI/A 2.3OZ/A 4-5 LEAF	97ab	99a	99a	98a	98a	98a
Agri-Dex 100% 1% V/V 4-5 LEAF						
8Strada 50% 0.072LB AI/A 2.3OZ/A 1 TILLER	98ab	98ab	96a	97ab	99a	98a
Agri-Dex 100% 1% V/V 1 TILLER						
LSD (P=.05)	3.3	1.6	4.0	2.8	1.3	1.3
Standard Deviation	2.2	1.1	2.8	1.9	0.9	0.9
CV	2.61	1.24	3.24	2.25	1.01	1.03
Replicate F	0.995	0.704	5.557	0.482	1.064	2.067
Replicate Prob(F)	0.4144	0.5604	0.0057	0.6983	0.3855	0.1353
Treatment F	960.273	4264.238	622.185	1293.187	6465.960	6151.720
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Strada at Different Application Timings in Water-Seeded Rice

Trial ID:C14-18 Location:RRS-Crowley, LA
Protocol ID:C14-18 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					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1Nontreated									0e	0b	0b
2Strada	50%		0.072LB	AI/A	2.3OZ/A			PREPLANT	55d	98a	96a
Agri-Dex	100%		1% V/V					PREPLANT		98a	98a
3Strada	50%		0.072LB	AI/A	2.3OZ/A			24PSFLOO	74c	99a	98a
Agri-Dex	100%		1% V/V					24PSFLOO		99a	99a
4Strada	50%		0.072LB	AI/A	2.3OZ/A			PEGGING	94ab	98a	99a
Agri-Dex	100%		1% V/V					PEGGING		98a	98a
5Strada	50%		0.072LB	AI/A	2.3OZ/A			POSTFLOO	97a	96a	98a
Agri-Dex	100%		1% V/V					POSTFLOO		99a	99a
6Strada	50%		0.072LB	AI/A	2.3OZ/A			3-4 LEAF	99a	97a	98a
Agri-Dex	100%		1% V/V					3-4 LEAF		98a	98a
7Strada	50%		0.072LB	AI/A	2.3OZ/A			4-5 LEAF	99a	99a	97a
Agri-Dex	100%		1% V/V					4-5 LEAF		98a	98a
8Strada	50%		0.072LB	AI/A	2.3OZ/A			1 TILLER	86b	96a	97a
Agri-Dex	100%		1% V/V					1 TILLER		98a	98a
LSD (P=.05)									8.1	3.2	3.7
Standard Deviation									5.5	2.2	2.5
CV									7.32	2.59	2.95
Replicate F									3.032	1.167	0.782
Replicate Prob(F)									0.0520	0.3460	0.5174
Treatment F									152.088	978.029	753.237
Treatment Prob(F)									0.0001	0.0001	0.0001
										0.425	0.7373
										0.0391	0.272
										0.9579	0.4586

LSU AgCenter SPESS

Strada at Different Application Timings in Water-Seeded Rice

Trial ID:C14-18 Location:RRS-Crowley, LA
 Protocol ID:C14-18 Investigator:Eric P. Webster

Pest Code									RICE	RICE
Rating Date									8/11/2014	8/11/2014
Rating Type									YIELD	YIELD
Rating Unit									LB	kg/ha
Trt-Eval Interval									HARVEST	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	Nontreated								6863a	7692a
2	Strada	50%	0.072	LB AI/A	2.3	0Z/A		PREPLANT	8498a	9525a
	Agri-Dex	100%	1%	V/V				PREPLANT		
3	Strada	50%	0.072	LB AI/A	2.3	0Z/A		24PSFLOO	9021a	10111a
	Agri-Dex	100%	1%	V/V				24PSFLOO		
4	Strada	50%	0.072	LB AI/A	2.3	0Z/A		PEGGING	10012a	11222a
	Agri-Dex	100%	1%	V/V				PEGGING		
5	Strada	50%	0.072	LB AI/A	2.3	0Z/A		POSTFLOO	8848a	9917a
	Agri-Dex	100%	1%	V/V				POSTFLOO		
6	Strada	50%	0.072	LB AI/A	2.3	0Z/A		3-4 LEAF	9024a	10115a
	Agri-Dex	100%	1%	V/V				3-4 LEAF		
7	Strada	50%	0.072	LB AI/A	2.3	0Z/A		4-5 LEAF	8952a	10034a
	Agri-Dex	100%	1%	V/V				4-5 LEAF		
8	Strada	50%	0.072	LB AI/A	2.3	0Z/A		1 TILLER	9604a	10765a
	Agri-Dex	100%	1%	V/V				1 TILLER		
LSD (P=.05)									1874.6	2101.1
Standard Deviation									1274.6	1428.6
CV									14.4	14.4
Replicate F									2.438	2.438
Replicate Prob(F)									0.0930	0.0930
Treatment F									2.132	2.132
Treatment Prob(F)									0.0848	0.0848

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Strada, Strada Pro, and Strada XT in a Clearfield Production System

Experiment number: **C14-19**
 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: CL151
 Planting date: 4/16/14
 Emergence date: 5/5/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	1-2LF	3-5LF
Date applied [mm/dd/yy]	5/13/14	5/26/14
Time [hh:mm-hh:mm]	9:10-9:20A	3:15-3:25P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	76/72	86/87
Relative humidity [%]	91	51
Wind [mph, direction]	3/W	6-8/SE
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet/dry
Crop stage/Height	2-3lf	3-5lf/5-7"
Sprayer type/MPH	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----	
BRAPP(20-50m ⁻²)	0.5-1"/1-2lf	5-8"/4-8lf
ECHCG(20-50m ⁻²)	1-2"/1-2lf	6-10"/4-6lf
CYPIR(1-3m ⁻²)	1-2"/1-3lf	6-10"/6-12lf
ORYSA(10-20m ⁻²)	0.5-2"/1-2lf	6-10"/4-5lf

Flush Dates.....: 4/17, 5/1, 5/8, 5/15, 5/22, 5/29
 Permanent Flood: 6/5

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Strada, Strada Pro, and STRada XT in a Clearfield Production System

Trial ID: C14-19 Location: RRS-Crowley, LA
 Protocol ID: C14-19 Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	BRAPP
Rating Date							6/3/2014	6/19/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type							INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							7 DAT	25 DAT	35 DAT	49 DAT	7 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	Unit Stage						
1 Command	3LB/GAL	0.3LB AI/A	12.8FL OZ/A		PRE	0b	0a	0a	0a	0a	0c
2 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	0b	0a	0a	0a	0a	98ab
Newpath	2LB/GAL	.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Strada	50%	.072LB AI/A	2.3OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						
3 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	0b	0a	0a	0a	0a	98ab
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Strada Pro	54%	.084LB AI/A	2.5OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						
4 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	0b	0a	0a	0a	0a	98ab
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Strada XT	70%	.46LB AI/A	10.5OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						
5 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	0b	0a	0a	0a	0a	98a
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Permit	75%	0.035LB AI/A	0.75OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						
6 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	0b	0a	0a	0a	0a	97b
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Permit Plus	75%	0.035LB AI/A	0.75OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						
7 Command	3LB/GAL	0.3LB AI/A	12.8OZ/A		PRE	19a	0a	0a	0a	0a	98a
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A		1-2 LEAF						
Agri-Dex	100%	1% V/V			1-2 LEAF						
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A		3-5 LEAF						
Sharpen	2.85LB/GAL	.0223LB AI/A	1OZ/A		3-5 LEAF						
Agri-Dex	100%	1% V/V			3-5 LEAF						

LSU AgCenter SPESS

Strada, Strada Pro, and STrada XT in a Clearfield Production System

Trial ID:C14-19	Location:RRS-Crowley, LA
Protocol ID:C14-19	Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	BRAPP
Rating Date						6/3/2014	6/19/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type						INJURY	INJURY	INJURY	INJURY	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						7 DAT	25 DAT	35 DAT	49 DAT	7 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		
8Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE			
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2	LEAF		
Agri-Dex	100%		1%	V/V			1-2	LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5	LEAF		
Agri-Dex	100%		1%	V/V			3-5	LEAF		
LSD (P=.05)						1.3	0.0	0.0	0.0	0.9
Standard Deviation						0.9	0.0	0.0	0.0	0.6
CV						37.71	0.0	0.0	0.0	0.72
Replicate F						1.000	0.000	0.000	0.000	3.500
Replicate Prob(F)						0.4123	1.0000	1.0000	1.0000	0.0335
Treatment F						225.000	0.000	0.000	0.000	12606.750
Treatment Prob(F)						0.0001	1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Strada, Strada Pro, and Strada XT in a Clearfield Production System

Trial ID:C14-19 Location:RRS-Crowley, LA
 Protocol ID:C14-19 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	ECHCG	ECHCG	ECHCG
Rating Date						6/30/2014	7/14/2014	6/3/2014	6/30/2014	7/14/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						35 DAT	49 DAT	7 DAT	35 DAT	49 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	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		
2	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0b	0b
	Newpath	2LB/GAL		.094LB	AI/A	6OZ/A		1-2 LEAF	96a	97ab
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada	50%		.072LB	AI/A	2.3OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
3	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	95a
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF		
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada Pro	54%		.084LB	AI/A	2.5OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
4	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	95a	95a
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF		
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada XT	70%		.46LB	AI/A	10.5OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
5	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	95a
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF		
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
6	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97a	95a
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF		
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Permit Plus	75%		0.035LB	AI/A	0.75OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
7	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	96a
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF		
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		

LSU AgCenter SPESS

Strada, Strada Pro, and STrada XT in a Clearfield Production System

Trial ID:C14-19	Location:RRS-Crowley, LA
Protocol ID:C14-19	Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	ECHCG	ECHCG	ECHCG
Rating Date						6/30/2014	7/14/2014	6/3/2014	6/30/2014	7/14/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						35 DAT	49 DAT	7 DAT	35 DAT	49 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		
8Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A			PRE		
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A			1-2	LEAF	
Agri-Dex	100%		1%	V/V				1-2	LEAF	
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A			3-5	LEAF	
Agri-Dex	100%		1%	V/V				3-5	LEAF	
LSD (P=.05)						2.4	1.8	2.8	2.1	1.2
Standard Deviation						1.6	1.2	1.9	1.4	0.8
CV						1.96	1.48	2.25	1.71	1.01
Replicate F						0.973	1.791	1.306	1.547	0.866
Replicate Prob(F)						0.4239	0.1798	0.2989	0.2320	0.4743
Treatment F						1707.003	2965.349	1287.495	2231.093	6464.547
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

Strada, Strada Pro, and STrada XT in a Clearfield Production System

Trial ID:C14-19	Location:RRS-Crowley, LA
Protocol ID:C14-19	Investigator:Eric P. Webster

Pest Code							CYPIR	CYPIR	CYPIR	CYPIR	SEBEX
Rating Date							6/3/2014	6/19/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							7 DAT	25 DAT	35 DAT	49 DAT	7 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Form	Form Unit	Rate	Other Rate	Other Unit	Growth Stage				
1	Command	3LB/GAL		0.3LB AI/A	12.8FL OZ/A		PRE	0c	0c	0b	0c
2	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	98ab	97ab	96a	96b
	Newpath	2LB/GAL		.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Strada	50%		.072LB AI/A	2.3OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				
3	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	99a	97ab	95a	97a
	Newpath	2LB/GAL		0.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Strada Pro	54%		.084LB AI/A	2.5OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				
4	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	98ab	96ab	95a	95b
	Newpath	2LB/GAL		0.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Strada XT	70%		.46LB AI/A	10.5OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				
5	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	98ab	95b	97a	96ab
	Newpath	2LB/GAL		0.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Permit	75%		0.035LB AI/A	0.75OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				
6	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	98ab	97a	97a	96b
	Newpath	2LB/GAL		0.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Permit Plus	75%		0.035LB AI/A	0.75OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				
7	Command	3LB/GAL		0.3LB AI/A	12.8OZ/A		PRE	99a	97ab	94a	96ab
	Newpath	2LB/GAL		0.094LB AI/A	6OZ/A		1-2 LEAF				
	Agri-Dex	100%		1% V/V			1-2 LEAF				
	Newpath	2LB/GAL		0.0625LB AI/A	4OZ/A		3-5 LEAF				
	Sharpen	2.85LB/GAL		.0223LB AI/A	1OZ/A		3-5 LEAF				
	Agri-Dex	100%		1% V/V			3-5 LEAF				

LSU AgCenter SPESS

Strada, Strada Pro, and STrada XT in a Clearfield Production System

Trial ID:C14-19	Location:RRS-Crowley, LA
Protocol ID:C14-19	Investigator:Eric P. Webster

Pest Code							CYPIR	CYPIR	CYPIR	CYPIR	SEBEX
Rating Date							6/3/2014	6/19/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							7 DAT	25 DAT	35 DAT	49 DAT	7 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					
8Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	97b	96ab	97a	96ab	33c
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF					
Agri-Dex	100%		1%	V/V		1-2 LEAF					
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF					
Agri-Dex	100%		1%	V/V		3-5 LEAF					
LSD (P=.05)							1.4	2.0	2.9	1.4	10.8
Standard Deviation							1.0	1.3	2.0	0.9	7.3
CV							1.13	1.59	2.39	1.13	12.26
Replicate F							0.648	1.372	0.590	1.715	0.118
Replicate Prob(F)							0.5927	0.2787	0.6283	0.1945	0.9485
Treatment F							5070.928	2591.990	1142.989	5105.384	64.401
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Strada, Strada Pro, and Strada XT in a Clearfield Production System

Trial ID: C14-19 Location: RRS-Crowley, LA
 Protocol ID: C14-19 Investigator: Eric P. Webster

Pest Code						SEBEX	SEBEX	SEBEX	ORYZA	ORYZA
Rating Date						6/19/2014	6/30/2014	7/14/2014	6/3/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						25 DAT	35 DAT	49 DAT	7 DAT	25 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	Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	0c	
2	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	95a	96a
	Newpath	2LB/GAL		.094LB	AI/A	6OZ/A		1-2 LEAF	95a	79a
	Agri-Dex	100%		1%	V/V			1-2 LEAF		
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada	50%		.072LB	AI/A	2.3OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
3	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	95a	95ab
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF	97a	68b
	Agri-Dex	100%		1%	V/V			1-2 LEAF		97ab
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada Pro	54%		.084LB	AI/A	2.5OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
4	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	96ab
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF	97a	71ab
	Agri-Dex	100%		1%	V/V			1-2 LEAF		96b
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Strada XT	70%		.46LB	AI/A	10.5OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
5	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	94ab
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF	96a	74ab
	Agri-Dex	100%		1%	V/V			1-2 LEAF		96b
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Permit	75%		0.035LB	AI/A	0.75OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
6	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91a	96ab
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF	94a	70ab
	Agri-Dex	100%		1%	V/V			1-2 LEAF		97ab
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Permit Plus	75%		0.035LB	AI/A	0.75OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		
7	Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91a	90b
	Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A		1-2 LEAF	86b	73ab
	Agri-Dex	100%		1%	V/V			1-2 LEAF		97ab
	Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A		3-5 LEAF		
	Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A		3-5 LEAF		
	Agri-Dex	100%		1%	V/V			3-5 LEAF		

LSU AgCenter SPESS

Strada, Strada Pro, and STrada XT in a Clearfield Production System

Trial ID:C14-19	Location:RRS-Crowley, LA
Protocol ID:C14-19	Investigator:Eric P. Webster

Pest Code		SEBEX	SEBEX	SEBEX	ORYZA	ORYZA
Rating Date		6/19/2014	6/30/2014	7/14/2014	6/3/2014	6/19/2014
Rating Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%
Trt-Eval Interval		25 DAT	35 DAT	49 DAT	7 DAT	25 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		
8Command	3LB/GAL	0.3LB AI/A	12.8OZ/A	PRE	45b	36c
Newpath	2LB/GAL	0.094LB AI/A	6OZ/A	1-2 LEAF	28c	65b
Agri-Dex	100%	1% V/V		1-2 LEAF		97a
Newpath	2LB/GAL	0.0625LB AI/A	4OZ/A	3-5 LEAF		
Agri-Dex	100%	1% V/V		3-5 LEAF		
LSD (P=.05)		9.5	6.6	5.6	10.9	1.4
Standard Deviation		6.5	4.5	3.8	7.4	1.0
CV		8.51	5.93	5.19	11.89	1.15
Replicate F		2.012	1.174	1.904	0.621	0.121
Replicate Prob(F)		0.1431	0.3433	0.1599	0.6093	0.9468
Treatment F		118.504	269.491	392.794	47.429	4917.207
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Strada, Strada Pro, and STRada XT in a Clearfield Production System

Trial ID:C14-19 Location:RRS-Crowley, LA
 Protocol ID:C14-19 Investigator:Eric P. Webster

Pest Code							ORYZA	ORYZA
Rating Date							6/30/2014	7/14/2014
Rating Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							35 DAT	49 DAT
Number of Decimals							0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage		
1Command	3LB/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	0b	0c
2Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	95a	95ab
Newpath	2LB/GAL		.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Strada	50%		.072LB	AI/A	2.3OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		
3Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	95a	97a
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Strada Pro	54%		.084LB	AI/A	2.5OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		
4Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	95a	96ab
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Strada XT	70%		.46LB	AI/A	10.5OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		
5Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	93a	96ab
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Permit	75%		0.035LB	AI/A	0.75OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		
6Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	94a	94b
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Permit Plus	75%		0.035LB	AI/A	0.75OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		
7Command	3LB/GAL		0.3LB	AI/A	12.8OZ/A	PRE	95a	95ab
Newpath	2LB/GAL		0.094LB	AI/A	6OZ/A	1-2 LEAF		
Agri-Dex	100%		1%	V/V		1-2 LEAF		
Newpath	2LB/GAL		0.0625LB	AI/A	4OZ/A	3-5 LEAF		
Sharpen	2.85LB/GAL		.0223LB	AI/A	1OZ/A	3-5 LEAF		
Agri-Dex	100%		1%	V/V		3-5 LEAF		

LSU AgCenter SPESS

Strada, Strada Pro, and STRada XT in a Clearfield Production System

Trial ID:C14-19 Location:RRS-Crowley, LA
 Protocol ID:C14-19 Investigator:Eric P. Webster

Pest Code	ORYZA	
Rating Date	6/30/2014	7/14/2014
Rating Type	CONTROL	CONTROL
Rating Unit	%	%
Trt-Eval Interval	35 DAT	49 DAT
Number of Decimals	0	0
Trt Treatment Form Form Rate Other Other Growth		
No. Name Conc Unit Rate Unit Rate Rate Unit Stage		
8 Command 3LB/GAL 0.3LB AI/A 12.8OZ/A PRE	96a	96ab
Newpath 2LB/GAL 0.094LB AI/A 6OZ/A 1-2 LEAF		
Agri-Dex 100% 1% V/V 1-2 LEAF		
Newpath 2LB/GAL 0.0625LB AI/A 4OZ/A 3-5 LEAF		
Agri-Dex 100% 1% V/V 3-5 LEAF		
LSD (P=.05)	3.3	2.3
Standard Deviation	2.2	1.6
CV	2.68	1.87
Replicate F	0.666	0.251
Replicate Prob(F)	0.5820	0.8597
Treatment F	909.410	1862.617
Treatment Prob(F)	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Clincher/RiceStar Comparison for the Control of Nealley's Sprangletop

Experiment number	C14-20		
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	CL 151		
Planting date	04/01/14		
Emergence date	04/15/14		
Harvest date	N/A		
Uniform std. treatment	N/A		
Application type	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	4/3/14	04/29/14	05/12/14
Time [hh:mm-yy:mm]	4:45-5:00P	9:45-10:00A	12:10-12:15P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	79/65	74/63	83/82
Relative humidity [%]	72	95	71
Wind [mph, direction]	7-12/SSE	2-4/SSW	7-9/SSE
Weather [sunny, etc]	pt. cloudy	cloudy	cloudy
Soil/Leaf surface moist	dry/dry	dry/dry	dry/dry
Crop stage/Height	N/A	2-3lf/2-3"	3-4lf/4-6"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/23
Applied by	EAB	EAB	BMM
Weed Species (population)	----- (height/#leaves) -----		
BRAPP(20-40m ⁻²)	0.5-1"/1-3lf	0.5-1"/1-2lf	
ECHCG(10-25m ⁻²)	0.5-1"/1-3lf	2-5"/2-6lf	
Flush Dates	04/17, 05/01, 05/08, 05/15, 05/22		
Permanent Flood	05/28		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20 Location:RRS-Crowley, LA
Protocol ID:C14-20 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date						5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						4 DAT	21 DAT	37 DAT	49 DAT	4 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						
1Nontreated						0c	0d	0c	0d	0d
2Facet DF	75%	.375LB	AI/A	8OZ/A	PRE	90a	97a	95a	90c	87a
Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
3Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	79b	96abc	90b	93abc	84ab
Clincher	2.38LBA/GAL	0.28LB	AI/A	15FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
4Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	92a	97a	93ab	91bc	88a
Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
Clincher	2.38LBA/GAL	0.28LB	AI/A	15FL OZ/A	LPOST					
Agri-Dex	100%	1% V/V		1% V/V	LPOST					
5Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	80b	94bc	92ab	93abc	83ab
Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	LPOST					
Agri-Dex	100%	1% V/V		1% V/V	LPOST					
6Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	73b	95abc	95a	94abc	73c
Clincher	2.38LBA/GAL	.372LB	AI/A	20FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
7Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	73b	96ab	92ab	95ab	78bc
Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
8Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	75b	95abc	92ab	92bc	80abc
Ricestar HT	.58LBA/GAL	.077LB	AI/A	17FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
9Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	75b	95abc	94ab	96a	80abc
Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
Ricestar HT	.58LBA/GAL	.077LB	AI/A	17FL OZ/A	LPOST					
Agri-Dex	100%	1% V/V		1% V/V	LPOST					
10Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	80b	96ab	94ab	94abc	83ab
Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST					
Agri-Dex	100%	1% V/V		1% V/V	EPOST					
Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	LPOST					
Agri-Dex	100%	1% V/V		1% V/V	LPOST					

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20	Location:RRS-Crowley, LA
Protocol ID:C14-20	Investigator:Eric P. Webster

Pest Code		BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date		5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%
Trt-Eval Interval		4 DAT	21 DAT	37 DAT	49 DAT	4 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		
11Facet DF	75%	0.375LB AI/A	8OZ/A	PRE		
Ricestar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A	EPOST		
Agri-Dex	100%	1% V/V	1% V/V	EPOST		
LSD (P=.05)		7.9	2.1	4.1	4.0	9.1
Standard Deviation		5.5	1.5	2.8	2.8	6.3
CV		7.55	1.69	3.33	3.31	8.51
Replicate F		3.206	1.162	1.034	12.933	1.405
Replicate Prob(F)		0.0371	0.3404	0.3917	0.0001	0.2607
Treatment F		82.551	1536.539	398.659	403.984	62.778
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20 Location:RRS-Crowley, LA
 Protocol ID:C14-20 Investigator:Eric P. Webster

Pest Code						ECHCG	ECHCG	ECHCG	RICE	RICE
Rating Date						6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	INJ	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						21 DAT	37 DAT	49 DAT	4 DAT	21 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									
2	Facet DF	75%	.375LB	AI/A	8OZ/A	PRE				
	Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST	96a	73a	73a	0a
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
3	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	96a	78a	76a	0a
	Clincher	2.38LBA/GAL	0.28LB	AI/A	15FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
4	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	96a	75a	78a	0a
	Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
	Clincher	2.38LBA/GAL	0.28LB	AI/A	15FL OZ/A	LPOST				
	Agri-Dex	100%	1% V/V		1% V/V	LPOST				
5	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	95a	75a	78a	0a
	Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
	Clincher	2.38LBA/GAL	.186LB	AI/A	10FL OZ/A	LPOST				
	Agri-Dex	100%	1% V/V		1% V/V	LPOST				
6	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	97a	78a	78a	0a
	Clincher	2.38LBA/GAL	.372LB	AI/A	20FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
7	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	94a	78a	75a	0a
	Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
8	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	96a	75a	78a	0a
	Ricestar HT	.58LBA/GAL	.077LB	AI/A	17FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
9	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	96a	75a	79a	0a
	Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
	Ricestar HT	.58LBA/GAL	.077LB	AI/A	17FL OZ/A	LPOST				
	Agri-Dex	100%	1% V/V		1% V/V	LPOST				
10	Facet DF	75%	0.375LB	AI/A	8OZ/A	PRE	96a	75a	74a	0a
	Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	EPOST				
	Agri-Dex	100%	1% V/V		1% V/V	EPOST				
	Ricestar HT	.58LBA/GAL	.059LB	AI/A	13FL OZ/A	LPOST				
	Agri-Dex	100%	1% V/V		1% V/V	LPOST				

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20	Location:RRS-Crowley, LA
Protocol ID:C14-20	Investigator:Eric P. Webster

Pest Code		ECHCG	ECHCG	ECHCG	RICE	RICE
Rating Date		6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type		CONTROL	CONTROL	CONTROL	INJ	INJURY
Rating Unit		%	%	%	%	%
Trt-Eval Interval		21 DAT	37 DAT	49 DAT	4 DAT	21 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		
11Facet DF	75%	0.375LB AI/A	8OZ/A	PRE		
Ricestar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A	EPOST		
Agri-Dex	100%	1% V/V	1% V/V	EPOST		
LSD (P=.05)		2.5	8.6	8.0	0.0	0.0
Standard Deviation		1.7	6.0	5.6	0.0	0.0
CV		1.96	8.71	8.01	0.0	0.0
Replicate F		0.302	0.254	2.432	0.000	0.000
Replicate Prob(F)		0.8239	0.8577	0.0844	1.0000	1.0000
Treatment F		1148.244	58.220	69.015	0.000	0.000
Treatment Prob(F)		0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20 Location:RRS-Crowley, LA
 Protocol ID:C14-20 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									6/18/2014	6/30/2014	8/13/2014
Rating Type									INJURY	INJURY	AVG
Rating Unit									%	%	HEIGHT
Trt-Eval Interval									37 DAT	49 DAT	cm
Number of Decimals									0	0	HARVEST
Trt Treatment	Form Form	Rate	Other Other	Growth							
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage							
1Nontreated									0 a	0 a	103 a
2Facet DF	75%	.375LB AI/A	8OZ/A	PRE					0 a	0 a	98 a
Clincher	2.38LBA/GAL	.186LB AI/A	10FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
3Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	98 a
Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
4Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	102 a
Clincher	2.38LBA/GAL	.186LB AI/A	10FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
5Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	101 a
Clincher	2.38LBA/GAL	.186LB AI/A	10FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Clincher	2.38LBA/GAL	.186LB AI/A	10FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
6Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	103 a
Clincher	2.38LBA/GAL	.372LB AI/A	20FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
7Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	103 a
Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
8Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	103 a
Ricestar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
9Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	102 a
Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Ricestar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
10Facet DF	75%	0.375LB AI/A	8OZ/A	PRE					0 a	0 a	101 a
Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A	EPOST							
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							

LSU AgCenter SPESS

Clincher/ RiceStar Comparison for the Control of Nealley's Sprangletop

Trial ID:C14-20 Location:RRS-Crowley, LA
 Protocol ID:C14-20 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							6/18/2014	6/30/2014	8/13/2014
Rating Type							INJURY	INJURY	AVG
Rating Unit							%	%	HEIGHT
Trt-Eval Interval							37 DAT	49 DAT	cm
Number of Decimals							0	0	HARVEST
Trt Treatment	Form	Form	Rate	Other	Other	Growth			
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage			
11Facet DF	75%		0.375LB	AI/A	8OZ/A	PRE	0a	0a	100a
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL OZ/A	EPOST			
Agri-Dex	100%		1%	V/V	1%	V/V			
LSD (P=.05)							0.0	0.0	4.7
Standard Deviation							0.0	0.0	3.2
CV							0.0	0.0	3.19
Replicate F							0.000	0.000	14.105
Replicate Prob(F)							1.0000	1.0000	0.0001
Treatment F							0.000	0.000	1.162
Treatment Prob(F)							1.0000	1.0000	0.3529

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Clincher/RiceStar HT Timing for the Control of Nealley's Sprangletop

Experiment number: **C14-21**
 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: CL151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	PRE	PREFL	POSTFL
Date applied [mm/dd/yy]	4/3/14	5/21/14	5/26/15
Time [hh:mm-yy:mm]	5:00-5:15P	12:30-12:45P	10:30-10:50A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	79/65	84/80	84/82
Relative humidity [%]	72	51	56
Wind [mph, direction]	7-12/SE	7-9/S	5-8/SSE
Weather [sunny, etc]	pt. cloudy	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry	flood/dry
Crop stage/Height	N/A	1-2tiller/6-12"	1-2 tiller/8-12"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22
Applied by	EAB	EAB	EAB

Weed Species (population)	----- (height/#leaves) -----		
BRAPP(50-100m ⁻²)	2-6"/3-7lf	4-6"/4-8lf	6-8"/9-12lf
ECHCG(20-50m ⁻²)	6-12"/3-9lf	8-14"/4-10lf	10-14"/5-12lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

Note: No Nealley's sprangletop infested the research area.

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Cincher/ RiceStar HT Timing for the control of Nealley's Sprangletop

Trial ID:C14-21 Location:RRS-Crowley, LA
Protocol ID:C14-21 Investigator:Eric P. Webster

Pest Code					BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date					6/2/2014	6/19/2014	6/30/2014	6/2/2014	6/19/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%
Trt-Eval Interval					7 DAT	24 DAT	35 DAT	7 DAT	24 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					
1Clincher	2.38LBA/GAL	.242LB AI/A	13FL OZ/A		73a	76ab	89ab	85a	85a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
2Clincher	2.38LBA/GAL	.242LB AI/A	13FL OZ/A		69a	71b	85abc	70bc	85a
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
3Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A		75a	75ab	90ab	85a	83a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
4Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A		70a	83a	92a	70bc	80ab
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
5Clincher	2.38LBA/GAL	.372LB AI/A	20FL OZ/A		70a	76ab	91a	73abc	88a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
6Clincher	2.38LBA/GAL	.372LB AI/A	20FL OZ/A		70a	80ab	92a	73abc	78abc
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
7Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A		75a	80ab	64e	80abc	58d
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
8Ricestar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A		70a	76ab	74cde	68c	65cd
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
9Ricestar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A		73a	84a	76cde	83ab	64d
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
10Ricestar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A		70a	76ab	78bcd	73abc	63d
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
11Ricestar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A		73a	78ab	74cde	78abc	68bcd
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
12Ricestar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A		71a	75ab	70de	68c	63d
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
13No Herbicide					0b	0c	0f	0d	0e
Agri-Dex	100%	1% V/V	1% V/V	PreFlo					
14No Herbicide					0b	0c	0f	0d	0e
Agri-Dex	100%	1% V/V	1% V/V	PostFl					
15Propanil	4LBA/GAL	3LB AI/A	96FL OZ/A	PreFlo	71a	76ab	65de	70bc	63d
16RiceBeaux	6LB/GAL	4.5LB AI/A	96FL OZ/A	PostFl	73a	73b	68de	70bc	63d
LSD (P=.05)					11.7	9.0	13.3	13.8	12.5
Standard Deviation					8.2	6.3	9.3	9.7	8.8
CV					13.13	9.35	13.49	14.84	14.0
Replicate F					0.330	2.236	2.484	0.418	3.424
Replicate Prob(F)					0.8039	0.0970	0.0728	0.7411	0.0250
Treatment F					35.526	70.737	37.920	29.141	36.256
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Cincher/ RiceStar HT Timing for the control of Nealley's Sprangletop

Trial ID:C14-21 Location:RRS-Crowley, LA
Protocol ID:C14-21 Investigator:Eric P. Webster

Pest Code						ECHCG	RICE	RICE	RICE	RICE
Rating Date						6/30/2014	6/2/2014	6/19/2014	6/30/2014	8/13/2014
Rating Type						CONTROL	INJURY	INJURY	INJURY	AVG
Rating Unit						%	%	%	%	HEIGHT
Trt-Eval Interval						35 DAT	7 DAT	24 DAT	35 DAT	cm
Number of Decimals						0	0	0	0	HARVEST
Trt Treatment	Form Form	Rate	Other Other	Growth						
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage						
1Clincher	2.38LBA/GAL	.242LB AI/A	13FL OZ/A		75a	0a	0a	0a	0a	100a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
2Clincher	2.38LBA/GAL	.242LB AI/A	13FL OZ/A		74a	0a	0a	0a	0a	100a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
3Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A		76a	0a	0a	0a	0a	99a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
4Clincher	2.38LBA/GAL	0.28LB AI/A	15FL OZ/A		75a	0a	0a	0a	0a	98a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
5Clincher	2.38LBA/GAL	.372LB AI/A	20FL OZ/A		74a	0a	0a	0a	0a	101a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
6Clincher	2.38LBA/GAL	.372LB AI/A	20FL OZ/A		75a	0a	0a	0a	0a	87a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
7RiceStar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A		66a	0a	0a	0a	0a	99a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
8RiceStar HT	.58LBA/GAL	.059LB AI/A	13FL OZ/A		66a	0a	0a	0a	0a	97a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
9RiceStar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A		66a	0a	0a	0a	0a	91a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
10RiceStar HT	.58LBA/GAL	.077LB AI/A	17FL OZ/A		66a	0a	0a	0a	0a	99a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
11RiceStar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A		68a	0a	0a	0a	0a	100a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
12RiceStar HT	.58LBA/GAL	.109LB AI/A	24FL OZ/A		70a	0a	0a	0a	0a	95a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
13No Herbicide					0b	0a	0a	0a	0a	91a
Agri-Dex	100%	1% V/V	1% V/V	PreFlo						
14No Herbicide					0b	0a	0a	0a	0a	77a
Agri-Dex	100%	1% V/V	1% V/V	PostFl						
15Propanil	4LBA/GAL	3LB AI/A	96FL OZ/A	Preflo	70a	0a	0a	0a	0a	99a
16RiceBeaux	6LB/GAL	4.5LB AI/A	96FL OZ/A	PostFl	66a	0a	0a	0a	0a	101a
LSD (P=.05)					11.4	0.0	0.0	0.0	0.0	16.2
Standard Deviation					8.0	0.0	0.0	0.0	0.0	11.3
CV					12.93	0.0	0.0	0.0	0.0	11.81
Replicate F					0.564	0.000	0.000	0.000	0.000	5.902
Replicate Prob(F)					0.6415	1.0000	1.0000	1.0000	1.0000	0.0017
Treatment F					37.339	0.000	0.000	0.000	0.000	1.341
Treatment Prob(F)					0.0001	1.0000	1.0000	1.0000	1.0000	0.2188

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Program Study for the Control of Nealley's Sprangletop

Experiment number: **C14-22**
 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: CL151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	DPRE	EPOST	PREFL	POSTFL
Date applied [mm/dd/yy]	4/8/14	4/29/14	5/21/14	5/26/14
Time [hh:mm-hh:mm]	9:45-10:00A	9:30-9:45A	10:40-10:50A	10:00-10:30A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	58/57	74/63	82/78	83/82
Relative humidity [%]	73	95	60	61
Wind [mph, direction]	5-7/W	2-4/SSW	2-4/SSW	5-8/SSE
Weather [sunny, etc]	pt. cloudy	cloudy	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	wet	dry/dry	dry/dry	flood/dry
Crop stage/Height	N/A	1-3lf/2-3"	2-3tiller/6-10"	1-2tiller/8-12"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/23	15/22	15/22
Applied by	EAB	EAB	EAB	EAB

Weed Species (population)	(height/#leaves)		
BRAPP(10-25m ⁻²)	0.5-1"/1-3lf	4-8"/4-6lf	6-10"/6-10lf
ECHCG(10-25m ⁻²)	0.5-1"/1-3lf	4-8"/4-6lf	6-10"/6-10lf
CYPES(10-15m ⁻²)	2-6"/3-9lf	4-8"/3-6lf	6-12"/4-10lf
CYPIR(10-15m ⁻²)	1-3"/3-12lf	4-8"/3-15lf	4-10"/3-15lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

Note: No Nealley's sprangletop infested the research area.

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code							BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date							5/30/2014	6/18/2014	6/30/2014	5/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							4 DAT	23 DAT	35 DAT	4 DAT	23 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	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	90a	97a	93bc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				96abc
	Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL				
	Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
2	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	91a	96a	92bc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				97abc
	Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL				
	Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
3	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	93a	97a	94abc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				97ab
	Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A PREFL				
	Agri-Dex	100%		1%	V/V	1%	V/V PREFL				
	Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
4	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	90a	97a	93abc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				97abc
	Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A PREFL				
	Agri-Dex	100%		1%	V/V	1%	V/V PREFL				
	Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
5	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	91a	96a	93abc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				96bc
	RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL				
	Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code							BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date							5/30/2014	6/18/2014	6/30/2014	5/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							4 DAT	23 DAT	35 DAT	4 DAT	23 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				
6	Command	3LB	A/GAL	0.3LB	AI/A	12.8FL	OZ/A DPRE	91a	97a	94abc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				96abc
	RiceBeaux	6LB	A/GAL	3LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB	A/GAL	0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LB	A/GAL	.00152LB	AI/A	5FL	OZ/A POSTFL				
	Clincher	2.38LB	A/GAL	.372LB	AI/A	20FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
7	Command	3LB	A/GAL	0.3LB	AI/A	12.8FL	OZ/A DPRE	93a	96a	93bc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				97abc
	RiceBeaux	6LB	A/GAL	3LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB	A/GAL	0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Ricestar HT	.58LB	A/GAL	.109LB	AI/A	24FL	OZ/A PREFL				
	Agri-Dex	100%		1%	V/V	1%	V/V PREFL				
	Beyond	0.039LB	A/GAL	.00152LB	AI/A	5FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
8	Command	3LB	A/GAL	0.3LB	AI/A	12.8FL	OZ/A DPRE	91a	96a	94abc	95a
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				96abc
	RiceBeaux	6LB	A/GAL	3LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB	A/GAL	0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Clincher	2.38LB	A/GAL	.372LB	AI/A	20FL	OZ/A PREFL				
	Agri-Dex	100%		1%	V/V	1%	V/V PREFL				
	Beyond	0.039LB	A/GAL	.00152LB	AI/A	5FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
9	Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	90a	96a	96a	95a
	Prowl	3.3LB	A/GAL	1LB	AI/A	38.8FL	OZ/A DPRE				97abc
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				
	Propanil	4LB	A/GAL	2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB	A/GAL	0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LB	A/GAL	.00152LB	AI/A	5FL	OZ/A POSTFL				
	Ricestar HT	.58LB	A/GAL	.109LB	AI/A	24FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
10	Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	91a	96a	93abc	95a
	Prowl	3.3LB	A/GAL	1LB	AI/A	38.8FL	OZ/A DPRE				96bc
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				
	Propanil	4LB	A/GAL	2LB	AI/A	64FL	OZ/A EPOST				
	Newpath	2LB	A/GAL	0.0625LB	AI/A	4FL	OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Beyond	0.039LB	A/GAL	.00152LB	AI/A	5FL	OZ/A POSTFL				
	Clincher	2.38LB	A/GAL	.372LB	AI/A	20FL	OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Pest Code							BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date							5/30/2014	6/18/2014	6/30/2014	5/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							4 DAT	23 DAT	35 DAT	4 DAT	23 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					
11Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	91a	96a	95ab	95a	95c
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
12Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	91a	96a	94abc	95a	96abc
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
13Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	93a	96a	92c	95a	97abc
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
14Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	91a	97a	94abc	95a	97ab
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
15Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	90a	96a	92c	95a	96abc
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					

Program Study for the Control of Nealley's Sprangletop

Pest Code							BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date							5/30/2014	6/18/2014	6/30/2014	5/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							4 DAT	23 DAT	35 DAT	4 DAT	23 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				
16	Facet	75%		0.375	LB AI/A	8	OZ/A DPRE	90a	96a	94abc	95a
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A DPRE				
	Agri-Dex	100%		1%	V/V	1%	V/V DPRE				
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A EPOST				
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A EPOST				
	Agri-Dex	100%		1%	V/V	1%	V/V EPOST				
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A PREFL				
	Agri-Dex	100%		1%	V/V	1%	V/V PREFL				
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A POSTFL				
	Agri-Dex	100%		1%	V/V	1%	V/V POSTFL				
17	Nontreated							0b	0b	0d	0a
LSD (P=.05)							3.0	1.4	2.9	0.0	1.5
Standard Deviation							2.1	1.0	2.0	0.0	1.1
CV							2.45	1.1	2.31	0.0	1.17
Replicate F							1.000	4.404	4.674	0.000	3.102
Replicate Prob(F)							0.4010	0.0081	0.0061	1.0000	0.0352
Treatment F							443.250	2179.604	500.029	0.000	1933.380
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code					ECHCG	CYPES	CYPES	CYPES	CYPIR
Rating Date					6/30/2014	5/30/2014	6/18/2014	6/30/2014	6/18/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%
Trt-Eval Interval					35 DAT	4 DAT	23 DAT	35 DAT	23 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 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL OZ/A DPRE	94 a	91 a	97 abc	94 b
Agri-Dex	100 %		1 %	V/V	1 % V/V DPRE				97 abc
Propanil	4 LBA/GAL		2 LB	AI/A	64 FL OZ/A EPOST				
Newpath	2 LB/GAL		0.0625 LB	AI/A	4 FL OZ/A EPOST				
Agri-Dex	100 %		1 %	V/V	1 % V/V EPOST				
Beyond	0.039 LBA/GAL		.00152 LB	AI/A	5 FL OZ/A POSTFL				
Ricestar HT	.58 LBA/GAL		.109 LB	AI/A	24 FL OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V POSTFL				
2 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL OZ/A DPRE	95 a	90 a	97 a-d	95 b
Agri-Dex	100 %		1 %	V/V	1 % V/V DPRE				96 bcd
Propanil	4 LBA/GAL		2 LB	AI/A	64 FL OZ/A EPOST				
Newpath	2 LB/GAL		0.0625 LB	AI/A	4 FL OZ/A EPOST				
Agri-Dex	100 %		1 %	V/V	1 % V/V EPOST				
Beyond	0.039 LBA/GAL		.00152 LB	AI/A	5 FL OZ/A POSTFL				
Clincher	2.38 LBA/GAL		.372 LB	AI/A	20 FL OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V POSTFL				
3 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL OZ/A DPRE	95 a	88 ab	97 a-d	95 ab
Agri-Dex	100 %		1 %	V/V	1 % V/V DPRE				97 a-d
Propanil	4 LBA/GAL		2 LB	AI/A	64 FL OZ/A EPOST				
Newpath	2 LB/GAL		0.0625 LB	AI/A	4 FL OZ/A EPOST				
Agri-Dex	100 %		1 %	V/V	1 % V/V EPOST				
Ricestar HT	.58 LBA/GAL		.109 LB	AI/A	24 FL OZ/A PREFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V PREFL				
Beyond	0.039 LBA/GAL		.00152 LB	AI/A	5 FL OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V POSTFL				
4 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL OZ/A DPRE	95 a	91 a	95 d	94 b
Agri-Dex	100 %		1 %	V/V	1 % V/V DPRE				97 a-d
Propanil	4 LBA/GAL		2 LB	AI/A	64 FL OZ/A EPOST				
Newpath	2 LB/GAL		0.0625 LB	AI/A	4 FL OZ/A EPOST				
Agri-Dex	100 %		1 %	V/V	1 % V/V EPOST				
Clincher	2.38 LBA/GAL		.372 LB	AI/A	20 FL OZ/A PREFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V PREFL				
Beyond	0.039 LBA/GAL		.00152 LB	AI/A	5 FL OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V POSTFL				
5 Command	3 LBA/GAL		0.3 LB	AI/A	12.8 FL OZ/A DPRE	94 a	90 a	96 cd	95 ab
Agri-Dex	100 %		1 %	V/V	1 % V/V DPRE				96 d
RiceBeaux	6 LB/GAL		3 LB	AI/A	64 FL OZ/A EPOST				
Newpath	2 LB/GAL		0.0625 LB	AI/A	4 FL OZ/A EPOST				
Agri-Dex	100 %		1 %	V/V	1 % V/V EPOST				
Beyond	0.039 LBA/GAL		.00152 LB	AI/A	5 FL OZ/A POSTFL				
Ricestar HT	.58 LBA/GAL		.109 LB	AI/A	24 FL OZ/A POSTFL				
Agri-Dex	100 %		1 %	V/V	1 % V/V POSTFL				

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code							ECHCG	CYPES	CYPES	CYPES	CYPIR
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	23 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					
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	95a	91a	96bcd	95b	96bcd
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
7 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	94a	91a	97a-d	95ab	96bcd
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A PREFL					
Agri-Dex	100%		1%	V/V	1%	V/V PREFL					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
8 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	96a	90a	96a-d	96ab	96d
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A PREFL					
Agri-Dex	100%		1%	V/V	1%	V/V PREFL					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
9 Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	96a	88ab	96bcd	96ab	97a-d
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A DPRE					
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
10 Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	94a	90a	97ab	94b	98a
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A DPRE					
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Pest Code							ECHCG	CYPES	CYPES	CYPES	CYPIR
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	23 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					
11Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	96a	85b	96bcd	94b	97a-d
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
12Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	94a	90a	96bcd	94b	97a-d
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
13Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	94a	90a	97a-d	95ab	97abc
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
14Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	93a	90a	98a	94b	97ab
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
15Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	95a	90a	97a-d	96ab	96cd
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A					
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A					
Agri-Dex	100%		1%	V/V	1%	V/V					

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID:C14-22	Location:RRS-Crowley, LA
Protocol ID:C14-22	Investigator:Eric P. Webster

Pest Code							ECHCG	CYPES	CYPES	CYPES	CYPIR
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	6/18/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	23 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			
16	Facet	75%		0.375	LB AI/A	8	OZ/A	DPRE	96a	91a	97abc
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			97a
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			97a-d
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
17	Nontreated								0b	0c	0e
LSD (P=.05)							2.8	4.8	1.7	2.6	1.4
Standard Deviation							1.9	3.4	1.2	1.8	1.0
CV							2.19	3.97	1.34	2.04	1.07
Replicate F							0.666	0.120	0.463	2.347	2.465
Replicate Prob(F)							0.5773	0.9480	0.7097	0.0844	0.0736
Treatment F							554.766	169.610	1485.319	636.454	2335.606
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code							CYPIR	RICE	RICE	RICE	RICE
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	8/14/2014
Rating Type							CONTROL	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	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					
1 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	94bc	0a	0a	0a	100bcd
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
2 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	97a	0a	0a	0a	101abc
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
3 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	94bc	0a	0a	0a	103abc
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A PREFL					
Agri-Dex	100%		1%	V/V	1%	V/V PREFL					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
4 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	95abc	0a	0a	0a	102abc
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A PREFL					
Agri-Dex	100%		1%	V/V	1%	V/V PREFL					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	95abc	0a	0a	0a	101abc
Agri-Dex	100%		1%	V/V	1%	V/V DPRE					
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST					
Agri-Dex	100%		1%	V/V	1%	V/V EPOST					
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL					
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL					
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL					

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code							CYPIR	RICE	RICE	RICE	RICE
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	8/14/2014
Rating Type							CONTROL	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	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			
6	Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	94bc	0a	0a
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL		3LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
7	Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	95abc	0a	0a
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL		3LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
8	Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	96ab	0a	0a
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL		3LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
9	Facet	75%		0.375	LB AI/A	8	OZ/A	DPRE	96ab	0a	0a
	Prowl	3.3	LBA/GAL		1LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	Propanil	4	LBA/GAL		2LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
10	Facet	75%		0.375	LB AI/A	8	OZ/A	DPRE	94bc	0a	0a
	Prowl	3.3	LBA/GAL		1LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	Propanil	4	LBA/GAL		2LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Pest Code							CYPIR	RICE	RICE	RICE	RICE
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	8/14/2014
Rating Type							CONTROL	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	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			
11	Facet	75%		0.375	LB AI/A	8 OZ/A	DPRE	95 abc	0 a	0 a	102 abc
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
12	Facet	75%		0.375	LB AI/A	8 OZ/A	DPRE	95 abc	0 a	0 a	104 ab
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
13	Facet	75%		0.375	LB AI/A	8 OZ/A	DPRE	95 bc	0 a	0 a	98 cd
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
14	Facet	75%		0.375	LB AI/A	8 OZ/A	DPRE	96 ab	0 a	0 a	104 ab
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			
15	Facet	75%		0.375	LB AI/A	8 OZ/A	DPRE	93 c	0 a	0 a	101 bcd
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE			
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE			
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST			
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST			
	Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	PREFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL			
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL			
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL			

Program Study for the Control of Nealley's Sprangletop

Pest Code							CYP	RICE	RICE	RICE	RICE		
Rating Date							6/30/2014	5/30/2014	6/18/2014	6/30/2014	8/14/2014		
Rating Type							CONTROL	INJURY	INJURY	INJURY	AVG HT		
Rating Unit							%	%	%	%	cm		
Trt-Eval Interval							35 DAT	4 DAT	23 DAT	35 DAT	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					
16	Facet	75%		0.375	LB AI/A	8	OZ/A	DPRE	95 abc	0 a	0 a	0 a	103 abc
	Prowl	3.3	LBA/GAL	1	LB AI/A	38.8	FL OZ/A	DPRE					
	Agri-Dex	100%		1%	V/V	1%	V/V	DPRE					
	RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST					
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST					
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST					
	Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL					
	Agri-Dex	100%		1%	V/V	1%	V/V	PREFL					
	Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL					
	Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL					
17	Nontreated								0 d	0 a	0 a	0 a	97 d
LSD (P=.05)							2.5	0.0	0.0	0.0	4.6		
Standard Deviation							1.7	0.0	0.0	0.0	3.2		
CV							1.93	0.0	0.0	0.0	3.16		
Replicate F							0.669	0.000	0.000	0.000	5.689		
Replicate Prob(F)							0.5751	1.0000	1.0000	1.0000	0.0020		
Treatment F							716.307	0.000	0.000	0.000	1.928		
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000	0.0400		

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									8/14/2014	8/14/2014	8/14/2014
Rating Type									MOISTURE	YIELD	YIELD
Rating Unit									%	LB/A	KG/HA
Trt-Eval Interval									HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage					
1 Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	18 a	6631 e	7432 e	
Agri-Dex	100%		1%	V/V	1%	V/V	DPRE				
Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST				
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST				
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST				
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL				
Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	POSTFL				
Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL				
2 Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	18 a	7806 ab	8750 ab	
Agri-Dex	100%		1%	V/V	1%	V/V	DPRE				
Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST				
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST				
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST				
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL				
Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	POSTFL				
Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL				
3 Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	18 a	6757 de	7574 de	
Agri-Dex	100%		1%	V/V	1%	V/V	DPRE				
Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST				
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST				
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST				
Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	PREFL				
Agri-Dex	100%		1%	V/V	1%	V/V	PREFL				
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL				
Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL				
4 Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	18 a	7878 ab	8829 ab	
Agri-Dex	100%		1%	V/V	1%	V/V	DPRE				
Propanil	4	LBA/GAL	2	LB AI/A	64	FL OZ/A	EPOST				
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST				
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST				
Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL				
Agri-Dex	100%		1%	V/V	1%	V/V	PREFL				
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL				
Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL				
5 Command	3	LBA/GAL	0.3	LB AI/A	12.8	FL OZ/A	DPRE	18 a	7743 abc	8678 abc	
Agri-Dex	100%		1%	V/V	1%	V/V	DPRE				
RiceBeaux	6	LB/GAL	3	LB AI/A	64	FL OZ/A	EPOST				
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST				
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST				
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL				
Ricestar HT	.58	LBA/GAL	.109	LB AI/A	24	FL OZ/A	POSTFL				
Agri-Dex	100%		1%	V/V	1%	V/V	POSTFL				

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID: C14-22 Location: RRS-Crowley, LA
 Protocol ID: C14-22 Investigator: Eric P. Webster

Pest Code										RICE	RICE	RICE
Rating Date										8/14/2014	8/14/2014	8/14/2014
Rating Type										MOISTURE	YIELD	YIELD
Rating Unit										%	LB/A	KG/HA
Trt-Eval Interval										HARVEST	HARVEST	HARVEST
Number of Decimals										0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth						
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage						
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	18a			8037ab		9008ab
Agri-Dex	100%		1%	V/V	1%	V/V DPRE						
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST						
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST						
Agri-Dex	100%		1%	V/V	1%	V/V EPOST						
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL						
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL						
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL						
7 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	18a			7705abc		8636abc
Agri-Dex	100%		1%	V/V	1%	V/V DPRE						
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST						
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST						
Agri-Dex	100%		1%	V/V	1%	V/V EPOST						
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A PREFL						
Agri-Dex	100%		1%	V/V	1%	V/V PREFL						
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL						
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL						
8 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A DPRE	18a			7397b-e		8291b-e
Agri-Dex	100%		1%	V/V	1%	V/V DPRE						
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A EPOST						
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST						
Agri-Dex	100%		1%	V/V	1%	V/V EPOST						
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A PREFL						
Agri-Dex	100%		1%	V/V	1%	V/V PREFL						
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL						
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL						
9 Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a			7347b-e		8235b-e
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A DPRE						
Agri-Dex	100%		1%	V/V	1%	V/V DPRE						
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST						
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST						
Agri-Dex	100%		1%	V/V	1%	V/V EPOST						
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL						
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A POSTFL						
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL						
10 Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a			7314b-e		8198b-e
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A DPRE						
Agri-Dex	100%		1%	V/V	1%	V/V DPRE						
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A EPOST						
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A EPOST						
Agri-Dex	100%		1%	V/V	1%	V/V EPOST						
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A POSTFL						
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A POSTFL						
Agri-Dex	100%		1%	V/V	1%	V/V POSTFL						

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Pest Code							RICE	RICE	RICE
Rating Date							8/14/2014	8/14/2014	8/14/2014
Rating Type							MOISTURE	YIELD	YIELD
Rating Unit							%	LB/A	KG/HA
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth			
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage			
11Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a	6856cde	7684cde
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A			
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
12Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a	7686a-d	8615a-d
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Propanil	4LBA/GAL		2LB	AI/A	64FL	OZ/A			
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
13Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a	6696e	7505e
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A			
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A			
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
14Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a	7423a-e	8320a-e
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A			
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A			
Clincher	2.38LBA/GAL		.372LB	AI/A	20FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
15Facet	75%		0.375LB	AI/A	8OZ/A	DPRE	18a	7227b-e	8100b-e
Prowl	3.3LBA/GAL		1LB	AI/A	38.8FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A			
Newpath	2LB/GAL	0.0625	LB	AI/A	4FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Ricestar HT	.58LBA/GAL		.109LB	AI/A	24FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			
Beyond	0.039LBA/GAL		.00152LB	AI/A	5FL	OZ/A			
Agri-Dex	100%		1%	V/V	1%	V/V			

LSU AgCenter SPESS

Program Study for the Control of Nealley's Sprangletop

Trial ID:C14-22 Location:RRS-Crowley, LA
Protocol ID:C14-22 Investigator:Eric P. Webster

Pest Code									RICE			
Rating Date									8/14/2014	8/14/2014	8/14/2014	
Rating Type									MOISTURE	YIELD	YIELD	
Rating Unit									%	LB/A	KG/HA	
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	
Number of Decimals									0	0	0	
Trt Treatment	Form	Form		Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit Stage					
16Facet	75%		0.375	LB AI/A	8	OZ/A	DPRE	18a	8370a	9382a		
Prowl	3.3	LBA/GAL		1LB AI/A	38.8	FL OZ/A	DPRE					
Agri-Dex	100%			1% V/V	1	% V/V	DPRE					
RiceBeaux	6	LB/GAL		3LB AI/A	64	FL OZ/A	EPOST					
Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	EPOST					
Agri-Dex	100%			1% V/V	1	% V/V	EPOST					
Clincher	2.38	LBA/GAL	.372	LB AI/A	20	FL OZ/A	PREFL					
Agri-Dex	100%			1% V/V	1	% V/V	PREFL					
Beyond	0.039	LBA/GAL	.00152	LB AI/A	5	FL OZ/A	POSTFL					
Agri-Dex	100%			1% V/V	1	% V/V	POSTFL					
17Nontreated								18a	0f	0f		
LSD (P=.05)								0.0	947.4	1061.9		
Standard Deviation								0.0	663.0	743.1		
CV								0.0	9.48	9.48		
Replicate F								0.000	2.492	2.492		
Replicate Prob(F)								1.0000	0.0713	0.0713		
Treatment F								0.000	31.742	31.742		
Treatment Prob(F)								1.0000	0.0001	0.0001		

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Nealley's Sprangletop Competition Study

Experiment number: **C14-23**
 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: CL151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	DPRE	EPOST
Date applied [mm/dd/yy]	4/8/14	6/5/14
Time [hh:mm-hh:mm]	10:00-10:20A	12:40-12:45P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	60/57	86/85
Relative humidity [%]	68	63
Wind [mph, direction]	5-8/WNW	4-6/S
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	wet	dry/dry
Crop stage/Height	N/A	N/A
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/21
Applied by	EAB	EAB

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Nealley's Sprangletop Competition Study

Trial ID:C14-23 Location:RRS-Crowley, LA
 Protocol ID:C14-23 Investigator:Eric P. Webster

Pest Code	LEPNE	LEPNE	RICE	RICE	RICE	RICE
Rating Date	5/16/2014	7/28/2014	8/15/2014	8/15/2014	8/15/2014	8/15/2014
Rating Type	TRANSPLANT	PLANTS/PLOT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit	—	—	cm	%	LB/A	KG/HA
Trt-Eval Interval	—	—	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	0	0	0
Trt Treatment						
No. Name						
1Nontreated	0a	0d	106a	20a	7953a	8914a
21 plants/m2	5a	5d	105a	21a	7918a	8875a
33 plants/m2	15a	15c	107a	21a	7451a	8351a
47 plants/m2	35a	19c	105a	21a	7393a	8286a
513 plants/m2	65a	43b	101a	20a	7365a	8255a
626 plants/m2	130a	87a	103a	22a	7226a	8100a
LSD (P=.05)	0.0	8.8	5.6	1.6	828.5	928.7
Standard Deviation	0.0	5.8	3.7	1.1	549.8	616.3
CV	0.0	20.82	3.56	5.15	7.28	7.28
Replicate F	0.000	1.860	9.079	4.014	0.681	0.681
Replicate Prob(F)	1.0000	0.1797	0.0011	0.0278	0.5770	0.5770
Treatment F	0.000	122.925	1.461	2.361	1.246	1.246
Treatment Prob(F)	1.0000	0.0001	0.2600	0.0905	0.3367	0.3367

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Nealley's Sprangletop Removal Study

Experiment number	C14-24			
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	CL151			
Planting date	04/01/14			
Emergence date	04/15/14			
Harvest date	08/15/14			
Uniform std. treatment	N/A			
Application type	DPRE	1WAE	2WAE	3WAE
Date applied [mm/dd/yy]	4/8/14	5/5/14	5/12/14	5/19/14
Time [hh:mm-hh:mm]	10:00-10:20A	2:20-2:25P	12:15-12:20P	11:25-11:30A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	59/57	81/78	83/82	79/78
Relative humidity [%]	69	45	71	59
Wind [mph, direction]	5-8/WNW	5-9/SW	7-9/SSE	6-9/SSE
Weather [sunny, etc]	pt. cloudy	sunny	cloudy	sunny
Soil/Leaf surface moist	wet	wet/dry	dry/dry	dry/dry
Crop stage/Height	N/A	N/A	3-4lf/2-8"	3-4lf/3-8"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22	15/23
Applied by	EAB	EPW	BMM	EAB

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Nealley's Sprangletop Removal Study

Experiment number: **C14-24**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	4WAE	5WAE
Date applied [mm/dd/yy]	5/26/14	6/02/14
Time [hh:mm-hh:mm]	10:50-10:55A	1:21-1:23P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	84/82	89/89
Relative humidity [%]	56	58
Wind [mph, direction]	5-8/SSE	6-8/S
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	flood/dry	flood/dry
Crop stage/Height	1-2tiller/6-12"	1-3tiller/8-12"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/21	15/22
Applied by	EAB	EAB

Note: No Nealley's sprangletop infested the research area.

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Nealley's Sprangletop Removal Study

Trial ID:C14-24 Location:RRS-Crowley, LA
 Protocol ID:C14-24 Investigator:Eric P. Webster

Pest Code	RICE	RICE	RICE	RICE
Rating Date	8/13/2014	8/13/2014	8/13/2014	8/13/2014
Rating Type	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit	cm	%	LB/A	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	0
Trt Treatment				
No. Name				
1Nontreated	101a	19a	7707a	8644a
2Removal at 1 Wk after Emergenc	100a	19a	8635a	9685a
3Removal at 2 Wk after Emergenc	102a	19a	7138a	8006a
4Removal at 3 Wk after Emergenc	100a	19a	7270a	8154a
5Removal at 4 Wk after Emergenc	100a	19a	7241a	8121a
6Removal at 5 Wk after Emergenc	101a	19a	7577a	8498a
7Removal at 6 Wk after Emergenc	97a	19a	6525a	7318a
8Weed Free	100a	19a	7666a	8597a
LSD (P=.05)	5.9	0.0	1627.8	1825.6
Standard Deviation	4.0	0.0	1106.7	1241.2
CV	4.0	0.0	14.82	14.82
Replicate F	0.736	0.000	0.106	0.106
Replicate Prob(F)	0.5425	1.0000	0.9554	0.9554
Treatment F	0.454	0.000	1.194	1.194
Treatment Prob(F)	0.8563	1.0000	0.3487	0.3487

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Propanil with Newpath for Nealley's Sprangletop Control

Experiment number: **C14-25**
 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: CL151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	DPRE	MPOST
Date applied [mm/dd/yy]	4/8/14	5/5/14
Time [hh:mm-hh:mm]	10:00-10:20A	2:15-2:25P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	59/57	81/78
Relative humidity [%]	69	45
Wind [mph, direction]	5-8/WNW	5-9/SW
Weather [sunny, etc]	pt. cloudy	sunny
Soil/Leaf surface moist	wet	wet/dry
Crop stage/Height	N/A	3-4lf/4-8"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	EAB	EPW

Weed Species (population)	----- (height/#leaves) -----
BRAPP(25-50m ⁻²)	0.5-2"/1-3lf
ECHGG(15-25m ⁻²)	0.5-2"/1-3lf
CYPES(5-10m ⁻²)	1-4"/3-9lf
CYPIR(5-10m ⁻²)	1-3"/3-6lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

Note: No Nealley's sprangletop infested the research area.

*AMFF – Air mix flat fan nozzles

Propanil with Newpath for Nealley's Sprangletop Control

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date								5/16/2014	6/2/2014	6/18/2014	6/30/2014	5/16/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								11 DAT	28 DAT	44 DAT	56 DAT	11 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					
1No Newpath								0b	0c	0b	0b	0d
No Propanil												
Agri-Dex	100%		1% V/V		1% v/v		MPOST					
2No Newpath								97a	97a	96a	95a	97ab
Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST					
3No Newpath								96a	95b	97a	96a	97a
Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST					
4No Newpath								96a	96ab	96a	95a	95bc
Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST					
5Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	94a	96ab	97a	96a	94c
No Propanil												
Agri-Dex	100%		1% V/V		1% v/v		MPOST					
6Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	96a	95b	98a	95a	97a
Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST					
7Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	96a	95b	97a	96a	95bc
Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST					
8Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	96a	96ab	95a	96a	98a
Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST					
LSD (P=.05)								2.5	2.0	2.9	1.9	2.2
Standard Deviation								1.7	1.4	2.0	1.3	1.5
CV								2.07	1.62	2.37	1.52	1.76
Replicate F								0.706	3.276	4.443	0.852	0.091
Replicate Prob(F)								0.5592	0.0412	0.0144	0.4809	0.9642
Treatment F								1530.955	2484.395	1163.102	2827.915	2114.495
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPSS

Propanil with Newpath for Nealley's Sprangletop Control

Trial ID:C14-25	Location:RRS-Crowley, LA
Protocol ID:C14-25	Investigator:Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG	CYPES	CYPES
Rating Date								6/2/2014	6/18/2014	6/30/2014	5/16/2014	6/2/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAT	44 DAT	56 DAT	11 DAT	28 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	No Newpath									0b	0b	0c
	No Propanil											
	Agri-Dex	100%		1% V/V		1% v/v		MPOST				
2	No Newpath									96a	97a	83b
	Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST				
3	No Newpath									95a	97a	90a
	Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST				
4	No Newpath									97a	96a	85ab
	Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST				
5	Newpath	2LB/GAL		0.0625LB AI/A		4FL OZ/A		MPOST		96a	97a	85ab
	No Propanil											
	Agri-Dex	100%		1% V/V		1% v/v		MPOST				
6	Newpath	2LB/GAL		0.0625LB AI/A		4FL OZ/A		MPOST		96a	97a	85ab
	Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST				
7	Newpath	2LB/GAL		0.0625LB AI/A		4FL OZ/A		MPOST		97a	96a	90a
	Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST				
8	Newpath	2LB/GAL		0.0625LB AI/A		4FL OZ/A		MPOST		95a	96a	90a
	Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST				
LSD (P=.05)								2.0	2.2	4.4	10.7	7.5
Standard Deviation								1.4	1.5	3.0	7.3	5.1
CV								1.65	1.79	3.66	11.05	6.68
Replicate F								0.197	1.952	10.986	1.627	0.445
Replicate Prob(F)								0.8969	0.1537	0.0002	0.2131	0.7233
Treatment F								2410.072	2049.282	489.377	53.773	147.590
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

Propanil with Newpath for Nealley's Sprangletop Control

Trial ID:C14-25	Location:RRS-Crowley, LA
Protocol ID:C14-25	Investigator:Eric P. Webster

Pest Code	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date	6/18/2014	6/30/2014	5/16/2014	6/18/2014	6/30/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	44 DAT	56 DAT	11 DAT	44 DAT	56 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					
1No Newpath	0c	0b	0c	0c	0b
No Propanil					
Agri-Dex					
100%					
1% V/V					
1% v/v					
MPOST					
2No Newpath	96ab	88a	75b	97ab	93a
Propanil					
4LBA/GAL					
2LB AI/A					
64FL OZ/A					
MPOST					
3No Newpath	93b	88a	78ab	95b	92a
Propanil					
4LBA/GAL					
3LB AI/A					
96FL OZ/A					
MPOST					
4No Newpath	97ab	90a	80ab	96ab	94a
Propanil					
4LBA/GAL					
4LB AI/A					
128FL OZ/A					
MPOST					
5Newpath	97ab	88a	85a	96ab	93a
2LB/GAL					
0.0625LB AI/A					
4FL OZ/A					
MPOST					
No Propanil					
Agri-Dex					
100%					
1% V/V					
1% v/v					
MPOST					
6Newpath	98a	85a	80ab	98a	90a
2LB/GAL					
0.0625LB AI/A					
4FL OZ/A					
MPOST					
Propanil					
4LBA/GAL					
2LB AI/A					
64FL OZ/A					
MPOST					
7Newpath	96ab	85a	83ab	97ab	89a
2LB/GAL					
0.0625LB AI/A					
4FL OZ/A					
MPOST					
Propanil					
4LBA/GAL					
3LB AI/A					
96FL OZ/A					
MPOST					
8Newpath	98a	88a	80ab	96ab	90a
2LB/GAL					
0.0625LB AI/A					
4FL OZ/A					
MPOST					
Propanil					
4LBA/GAL					
4LB AI/A					
128FL OZ/A					
MPOST					
LSD (P=.05)	4.8	6.3	9.2	2.2	7.0
Standard Deviation	3.3	4.3	6.3	1.5	4.8
CV	3.9	5.59	8.95	1.78	5.95
Replicate F	0.751	1.262	4.455	2.161	0.551
Replicate Prob(F)	0.5340	0.3128	0.0143	0.1229	0.6531
Treatment F	429.802	209.705	82.364	2065.132	184.709
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

Propanil with Newpath for Nealley's Sprangletop Control

Trial ID:C14-25	Location:RRS-Crowley, LA
Protocol ID:C14-25	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/16/2014	6/2/2014	6/18/2014	6/30/2014	8/13/2014
Rating Type							INJURY	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							11 DAT	28 DAT	44 DAT	56 DAT	HARVEST
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	No Newpath										
	No Propanil										
	Agri-Dex	100%		1%	V/V		1%	v/v	MPOST		
2	No Newpath										
	Propanil	4LBA/GAL		2LB	AI/A		64FL	OZ/A	MPOST		
3	No Newpath										
	Propanil	4LBA/GAL		3LB	AI/A		96FL	OZ/A	MPOST		
4	No Newpath										
	Propanil	4LBA/GAL		4LB	AI/A		128FL	OZ/A	MPOST		
5	Newpath	2LB/GAL		0.0625LB	AI/A		4FL	OZ/A	MPOST		
	No Propanil										
	Agri-Dex	100%		1%	V/V		1%	v/v	MPOST		
6	Newpath	2LB/GAL		0.0625LB	AI/A		4FL	OZ/A	MPOST		
	Propanil	4LBA/GAL		2LB	AI/A		64FL	OZ/A	MPOST		
7	Newpath	2LB/GAL		0.0625LB	AI/A		4FL	OZ/A	MPOST		
	Propanil	4LBA/GAL		3LB	AI/A		96FL	OZ/A	MPOST		
8	Newpath	2LB/GAL		0.0625LB	AI/A		4FL	OZ/A	MPOST		
	Propanil	4LBA/GAL		4LB	AI/A		128FL	OZ/A	MPOST		
LSD (P=.05)							3.3	0.0	0.0	0.0	4.1
Standard Deviation							2.2	0.0	0.0	0.0	2.8
CV							203.37	0.0	0.0	0.0	2.74
Replicate F							1.000	0.000	0.000	0.000	14.832
Replicate Prob(F)							0.4123	1.0000	1.0000	1.0000	0.0001
Treatment F							0.519	0.000	0.000	0.000	0.336
Treatment Prob(F)							0.8103	1.0000	1.0000	1.0000	0.9288

LSU AgCenter SPESS

Propanil with Newpath for Nealley's Sprangletop Control

Trial ID:C14-25 Location:RRS-Crowley, LA
 Protocol ID:C14-25 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									8/13/2014	8/13/2014	8/13/2014
Rating Type									MOISTURE	YIELD	YIELD
Rating Unit									%	LB/A	KG/HA
Trt-Eval Interval									HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0
Trt Treatment	Form	Form		Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit Stage				
1No Newpath								19a	7553a	8470a	
No Propanil											
Agri-Dex	100%		1% V/V		1% v/v		MPOST				
2No Newpath								19a	8008a	8980a	
Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST				
3No Newpath								19a	7360a	8254a	
Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST				
4No Newpath								19a	7988a	8958a	
Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST				
5Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	7816a	8765a	
No Propanil											
Agri-Dex	100%		1% V/V		1% v/v		MPOST				
6Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8226a	9225a	
Propanil	4LBA/GAL		2LB AI/A		64FL OZ/A		MPOST				
7Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8034a	9009a	
Propanil	4LBA/GAL		3LB AI/A		96FL OZ/A		MPOST				
8Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8422a	9444a	
Propanil	4LBA/GAL		4LB AI/A		128FL OZ/A		MPOST				
LSD (P=.05)								0.0	925.8	1038.1	
Standard Deviation								0.0	629.4	705.8	
CV								0.0	7.94	7.94	
Replicate F								0.000	0.361	0.361	
Replicate Prob(F)								1.0000	0.7820	0.7820	
Treatment F								0.000	1.196	1.196	
Treatment Prob(F)								1.0000	0.3475	0.3475	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

RiceBeaux with Newpath for Nealley's Sprangletop Control

Experiment number: **C14-26**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	DPRE	MPOST
Date applied [mm/dd/yy]	4/8/14	5/5/14
Time [hh:mm-hh:mm]	10:00-10:20A	2:00-2:15P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	59/57	81/80
Relative humidity [%]	69	45
Wind [mph, direction]	5-8/WNW	5-8/SW
Weather [sunny, etc]	pt. cloudy	sunny
Soil/Leaf surface moist	wet	wet/dry
Crop stage/Height	N/A	3-4lf/4-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	EAB	EPW

Weed Species (population)	----- (height/#leaves) -----
BRAPP(25-50m ⁻²)	0.5-2"/1-3lf
ECHCG(15-30m ⁻²)	0.5-2"/1-3lf
CYPES(5-10m ⁻²)	1-4"/3-9lf
CYPIR(5-10m ⁻²)	1-4"/3-6lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

Note: No Nealley's sprangletop infested the research area.

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

RiceBeaux with Newpath for Nealley's Sprangletop Control

Trial ID:C14-26	Location:RRS-Crowley, LA
Protocol ID:C14-26	Investigator:Eric P. Webster

Pest Code								BRAPP 5/16/2014 CONTROL %	BRAPP 6/18/2014 CONTROL %	BRAPP 5/30/2014 CONTROL %	BRAPP 6/30/2014 CONTROL %	ECHCG 5/16/2014 CONTROL %
Rating Date								11 DAT 0	44 DAT 0	25 DAT 0	56 DAT 0	11 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 Unit	Rate Rate Unit Stage								
1No Newpath No RiceBeaux Agri-Dex	100%	1% V/V	1% v/v	MPOST				0c	0b	0b	0b	0c
2No Newpath RiceBeaux	6LB/GAL	3LB AI/A	64FL OZ/A	MPOST				97a	96a	90a	94a	97a
3No Newpath RiceBeaux	6LB/GAL	4.5LB AI/A	96FL OZ/A	MPOST				97a	96a	91a	94a	94ab
4No Newpath RiceBeaux	6LB/GAL	6LB AI/A	128FL OZ/A	MPOST				92ab	97a	92a	95a	95ab
5Newpath No RiceBeaux Agri-Dex	2LB/GAL 100%	0.0625LB 1% V/V	AI/A 1% v/v	4FL OZ/A MPOST				87b	97a	90a	94a	86b
6Newpath RiceBeaux	2LB/GAL 6LB/GAL	0.0625LB 3LB AI/A	AI/A 64FL OZ/A	MPOST MPOST				96ab	97a	90a	96a	95ab
7Newpath RiceBeaux	2LB/GAL 6LB/GAL	0.0625LB 4.5LB AI/A	AI/A 96FL OZ/A	MPOST MPOST				93ab	97a	93a	93a	94ab
8Newpath RiceBeaux	2LB/GAL 6LB/GAL	0.0625LB 6LB AI/A	AI/A 128FL OZ/A	MPOST MPOST				97a	97a	90a	95a	95a
LSD (P=.05)								9.4	1.7	3.2	3.4	9.3
Standard Deviation								6.4	1.2	2.1	2.3	6.3
CV								7.76	1.38	2.7	2.77	7.71
Replicate F								1.628	0.791	0.561	1.455	1.494
Replicate Prob(F)								0.2129	0.5123	0.6468	0.2554	0.2452
Treatment F								109.542	3416.713	896.853	850.467	110.999
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

RiceBeaux with Newpath for Nealley's Sprangletop Control

Trial ID:C14-26	Location:RRS-Crowley, LA
Protocol ID:C14-26	Investigator:Eric P. Webster

Pest Code	ECHCG	ECHCG	ECHCG	CYPES	CYPES
Rating Date	6/18/2014	5/30/2014	6/30/2014	5/16/2014	5/30/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	44 DAT	25 DAT	56 DAT	11 DAT	25 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					
1No Newpath	0c	0b	0c	0c	0c
No RiceBeaux					
Agri-Dex					
100%					
1% V/V					
1% v/v					
MPOST					
2No Newpath	96ab	94a	89ab	76ab	94a
RiceBeaux					
6LB/GAL					
3LB AI/A					
64FL OZ/A					
MPOST					
3No Newpath	97ab	95a	90ab	75ab	91ab
RiceBeaux					
6LB/GAL					
4.5LB AI/A					
96FL OZ/A					
MPOST					
4No Newpath	97a	95a	91ab	65b	93ab
RiceBeaux					
6LB/GAL					
6LB AI/A					
128FL OZ/A					
MPOST					
5Newpath	96ab	94a	86b	78a	93ab
No RiceBeaux					
Agri-Dex					
100%					
1% V/V					
1% v/v					
MPOST					
6Newpath	96ab	94a	88ab	73ab	93ab
RiceBeaux					
6LB/GAL					
3LB AI/A					
64FL OZ/A					
MPOST					
7Newpath	96ab	95a	94a	78a	93ab
RiceBeaux					
6LB/GAL					
0.0625LB AI/A					
4.5LB AI/A					
96FL OZ/A					
MPOST					
8Newpath	95b	95a	92ab	75ab	90b
RiceBeaux					
6LB/GAL					
0.0625LB AI/A					
6LB AI/A					
128FL OZ/A					
MPOST					
LSD (P=.05)	1.8	2.4	6.6	11.6	3.7
Standard Deviation	1.2	1.6	4.5	7.9	2.5
CV	1.44	1.94	5.73	12.21	3.1
Replicate F	2.116	0.304	1.169	2.538	0.333
Replicate Prob(F)	0.1286	0.8219	0.3451	0.0841	0.8013
Treatment F	3139.022	1738.739	199.839	44.850	680.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPSS

RiceBeaux with Newpath for Nealley's Sprangletop Control

Trial ID:C14-26	Location:RRS-Crowley, LA
Protocol ID:C14-26	Investigator:Eric P. Webster

Pest Code							CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							6/18/2014	6/30/2014	5/16/2014	6/18/2014	6/30/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							44 DAT	56 DAT	11 DAT	44 DAT	56 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	No Newpath No RiceBeaux Agri-Dex	100%		1%	V/V	1%	v/v		MPOST	0c	0b
2	No Newpath RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A		MPOST	91b	94a
3	No Newpath RiceBeaux	6LB/GAL		4.5LB	AI/A	96FL	OZ/A		MPOST	93ab	95a
4	No Newpath RiceBeaux	6LB/GAL		6LB	AI/A	128FL	OZ/A		MPOST	96ab	95a
5	Newpath No RiceBeaux Agri-Dex	2LB/GAL 100%		0.0625LB	AI/A 1%	4FL	OZ/A v/v		MPOST	97a	93a
6	Newpath RiceBeaux	2LB/GAL 6LB/GAL		0.0625LB	AI/A 3LB	4FL	OZ/A OZ/A		MPOST	97a	94a
7	Newpath RiceBeaux	2LB/GAL 6LB/GAL		0.0625LB	AI/A 4.5LB	4FL	OZ/A OZ/A		MPOST	97a	96a
8	Newpath RiceBeaux	2LB/GAL 6LB/GAL		0.0625LB	AI/A 6LB	4FL	OZ/A OZ/A		MPOST	97a	95a
LSD (P=.05)							5.9	2.5	12.2	3.4	3.3
Standard Deviation							4.0	1.7	8.3	2.3	2.3
CV							4.79	2.0	12.28	2.74	2.74
Replicate F							1.215	0.366	5.306	0.507	1.701
Replicate Prob(F)							0.3288	0.7782	0.0070	0.6814	0.1974
Treatment F							286.637	1630.731	44.353	868.788	867.534
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

RiceBeaux with Newpath for Nealley's Sprangletop Control

Trial ID:C14-26	Location:RRS-Crowley, LA
Protocol ID:C14-26	Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								5/16/2014	5/30/2014	6/18/2014	6/30/2014	8/12/2014
Rating Type								INJURY	INJURY	INJURY	INJURY	AVG HT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								11 DAT	25 DAT	44 DAT	56 DAT	HARVEST
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	No Newpath											
	No RiceBeaux											
	Agri-Dex	100%		1%	V/V	1%	v/v		MPOST			
2	No Newpath											
	RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A		MPOST			
3	No Newpath											
	RiceBeaux	6LB/GAL		4.5LB	AI/A	96FL	OZ/A		MPOST			
4	No Newpath											
	RiceBeaux	6LB/GAL		6LB	AI/A	128FL	OZ/A		MPOST			
5	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		MPOST			
	No RiceBeaux											
	Agri-Dex	100%		1%	V/V	1%	v/v		MPOST			
6	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		MPOST			
	RiceBeaux	6LB/GAL		3LB	AI/A	64FL	OZ/A		MPOST			
7	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		MPOST			
	RiceBeaux	6LB/GAL		4.5LB	AI/A	96FL	OZ/A		MPOST			
8	Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		MPOST			
	RiceBeaux	6LB/GAL		6LB	AI/A	128FL	OZ/A		MPOST			
LSD (P=.05)								3.8	0.0	0.0	0.0	4.7
Standard Deviation								2.6	0.0	0.0	0.0	3.2
CV								127.75	0.0	0.0	0.0	3.13
Replicate F								0.735	0.000	0.000	0.000	4.928
Replicate Prob(F)								0.5429	1.0000	1.0000	1.0000	0.0096
Treatment F								0.779	0.000	0.000	0.000	0.894
Treatment Prob(F)								0.6118	1.0000	1.0000	1.0000	0.5299

LSU AgCenter SPESS

RiceBeaux with Newpath for Nealley's Sprangletop Control

Trial ID:C14-26 Location:RRS-Crowley, LA
 Protocol ID:C14-26 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									8/14/2014	8/14/2014	8/14/2014
Rating Type									MOISTURE	YIELD	YIELD
Rating Unit									%	LB/A	KG/HA
Trt-Eval Interval									HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0
Trt Treatment	Form	Form		Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit Stage				
1No Newpath								19a	7680a	8611a	
No RiceBeaux											
Agri-Dex	100%		1% V/V		1% v/v		MPOST				
2No Newpath								19a	8333a	9343a	
RiceBeaux	6LB/GAL		3LB AI/A		64FL OZ/A		MPOST				
3No Newpath								19a	7958a	8924a	
RiceBeaux	6LB/GAL		4.5LB AI/A		96FL OZ/A		MPOST				
4No Newpath								19a	8692a	9746a	
RiceBeaux	6LB/GAL		6LB AI/A		128FL OZ/A		MPOST				
5Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8406a	9426a	
No RiceBeaux											
Agri-Dex	100%		1% V/V		1% v/v		MPOST				
6Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8303a	9310a	
RiceBeaux	6LB/GAL		3LB AI/A		64FL OZ/A		MPOST				
7Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8476a	9504a	
RiceBeaux	6LB/GAL		4.5LB AI/A		96FL OZ/A		MPOST				
8Newpath	2LB/GAL	0.0625	LB AI/A		4FL OZ/A		MPOST	19a	8426a	9448a	
RiceBeaux	6LB/GAL		6LB AI/A		128FL OZ/A		MPOST				
LSD (P=.05)								0.0	851.8	955.1	
Standard Deviation								0.0	579.1	649.4	
CV								0.01	6.99	6.99	
Replicate F								1355254.344	1.581	1.581	
Replicate Prob(F)								0.0001	0.2238	0.2238	
Treatment F								1.000	1.213	1.213	
Treatment Prob(F)								0.4586	0.3388	0.3388	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Herbicide Tank-mix Study

Experiment number: **C14-28**
 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: CL 151, Provisia, and CLXL 745
 Planting date: 04/16/14
 Emergence date: 05/07/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	5/19/14	5/26/14
Time [hh:mm-hh:mm]	1:40-2:00P	3:40-4:05P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	84/82	86/87
Relative humidity [%]	42	51
Wind [mph, direction]	5-7/S	6-8/SE
Weather [sunny, etc]	sunny	cloudy
Soil/Leaf surface moist	dry/dry	wet/dry
Crop stage/Height	1-3lf/2-6"	4-5lf/4-12"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/23	15/22
Applied by	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----	
SEBEX(3-10m-2)	1-3"/cot-4lf	7-14"/7-14lf
CYPIR(100-200m-2)	3-7"/9-15lf	3-7"/9-15lf
CYPES(2-5m-2)	0.5-2"/1-3lf	7-12"/9-15lf
ECHCG(20-50m-2)	0.5-2"/1-3lf	6-10"/1-2tiller

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22, 05/29
 Permanent Flood: 06/05

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code						PROVISIA	PROVISIA	PROVISIA	PROVISIA
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJURY	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	24 DAT	36 DAT	50 DAT
Number of Decimals						0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth			
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage		
1Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	13c-f	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
2Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	14c-f	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
3Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	16b-e	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
4Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	10ef	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
5Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	19abc	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
6Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	14c-f	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			
7Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	8f	0a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
No Mixture Herbicide									
8Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	11def	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
9Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	18a-d	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
10Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	21ab	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
11Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	19abc	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
12Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	13c-f	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
13Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	23ab	0a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					PROVISIA	PROVISIA	PROVISIA	PROVISIA
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					INJURY	INJURY	INJURY	INJURY
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 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
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST	
Agri-Dex	100	%	1	% V/V	1	% V/V	LPOST	
No Mixture Herbicide								
LSD (P=.05)					6.5	0.0	0.0	0.0
Standard Deviation					4.5	0.0	0.0	0.0
CV					28.95	0.0	0.0	0.0
Replicate F					1.093	0.000	0.000	0.000
Replicate Prob(F)					0.3636	1.0000	1.0000	1.0000
Treatment F					4.633	0.000	0.000	0.000
Treatment Prob(F)					0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					CLXL 745	CLXL 745	CLXL 745	CLXL 745
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 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
1Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A		
2Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A		
3Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A		
4Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A		
5Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A		
6Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A		
7Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST	
No Mixture Herbicide								
8Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A		
9Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A		
10Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A		
11Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A		
12Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A		
13Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST	
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A		

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					CLXL 745	CLXL 745	CLXL 745	CLXL 745
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 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				
14Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	88abc	98ab	93abc	96abc
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
No Mixture Herbicide								
LSD (P=.05)					6.6	8.5	7.3	7.5
Standard Deviation					4.6	5.9	5.1	5.2
CV					5.32	6.27	5.34	5.54
Replicate F					0.547	1.123	0.757	1.701
Replicate Prob(F)					0.6534	0.3515	0.5249	0.1827
Treatment F					2.547	3.139	2.483	2.645
Treatment Prob(F)					0.0121	0.0028	0.0142	0.0095

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					CL 151	CL 151	CL 151	CL 151
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 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				
1Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	97a	94bc	98ab	97ab
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Permit	75%AW/W	0.0625LB AI/A	1OZ AI/A					
2Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	98a	97a	99a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
League	75%AW/W	0.25LB AI/A	4OZ AI/A					
3Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	97a	97ab	99a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Londax	60%	.0313LB AI/A	0.5OZ AI/A					
4Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	97a	95abc	98ab	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Grasp	2LBA/GAL	.036LB AI/A	2.3FL OZ/A					
5Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	95a	89d	96bc	95bc
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Grasp Xtra	1.75LBA/GAL	.314LB AI/A	23FL OZ/A					
6Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	96a	96abc	99a	97ab
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Regiment	80%	.0313LB AI/A	0.5OZ AI/A					
7Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	94a	93c	95c	93c
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
No Mixture Herbicide								
8Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	97ab	99a	97ab
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Permit	75%AW/W	0.0625LB AI/A	1OZ AI/A					
9Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	97a	99a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
League	75%AW/W	0.25LB AI/A	4OZ AI/A					
10Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	97ab	99a	95bc
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Londax	60%	.0313LB AI/A	0.5OZ AI/A					
11Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	96abc	98ab	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Grasp	2LBA/GAL	.036LB AI/A	2.3FL OZ/A					
12Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	96abc	99a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Grasp Xtra	1.75LBA/GAL	.314LB AI/A	23FL OZ/A					
13Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	97ab	99a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Regiment	80%	.0313LB AI/A	0.5OZ AI/A					

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code						CL 151	CL 151	CL 151	CL 151
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	24 DAT	36 DAT	50 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	
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST		
Agri-Dex	100	%	1	% V/V	1	% V/V	LPOST		
No Mixture Herbicide									
LSD (P=.05)						2.7	3.2	2.4	2.7
Standard Deviation						1.9	2.2	1.7	1.9
CV						1.94	2.34	1.71	1.96
Replicate F						1.228	2.658	1.347	1.744
Replicate Prob(F)						0.3125	0.0616	0.2731	0.1739
Treatment F						1.765	3.712	2.611	2.496
Treatment Prob(F)						0.0852	0.0007	0.0103	0.0138

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	RED RICE	RED RICE
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	24 DAT	36 DAT	50 DAT
Number of Decimals						0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth			
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage			
1Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	93a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
2Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
3Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
4Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	92a	97ab
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
5Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	91a	95bc
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
6Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	93a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			
7Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	EPOST	94a	94c
Agri-Dex	100%		1%	V/V	1%	V/V	EPOST		
No Mixture Herbicide									
8Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	94a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
9Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	95a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
10Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	96a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
11Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
12Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	96a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
13Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A	LPOST	95a	98a
Agri-Dex	100%		1%	V/V	1%	V/V	LPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	RED RICE	RED RICE
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	24 DAT	36 DAT	50 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	
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST		
Agri-Dex	100	%	1	% V/V	1	% V/V	LPOST		
No Mixture Herbicide									
LSD (P=.05)						4.2	2.0	7.5	2.9
Standard Deviation						3.0	1.4	5.2	2.1
CV						3.14	1.41	5.4	2.12
Replicate F						1.397	1.150	0.648	2.486
Replicate Prob(F)						0.2581	0.3412	0.5887	0.0749
Treatment F						1.375	3.764	1.758	2.322
Treatment Prob(F)						0.2152	0.0006	0.0866	0.0213

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code						ECHCG	ECHCG	ECHCG	ECHCG
Rating Date						6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	24 DAT	36 DAT	50 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			
1Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	98a	96a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
2Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	96a	98a	97a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
3Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	98a	98a	97a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
4Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	96a	98a	97a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
5Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	96a	98a	95a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
6Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	95a	98a	95a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			
7Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	96a	95a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST			
No Mixture Herbicide									
8Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	97a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A			
9Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	97a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A			
10Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	96a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A			
11Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	97a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A			
12Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	97a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A			
13Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	97a	98a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST			
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A			

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG	ECHCG
Rating Date								6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								8 DAT	24 DAT	36 DAT	50 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			
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST	95a	98a	97a	97a
Agri-Dex	100	%	1	% V/V	1	% V/V	LPOST				
No Mixture Herbicide											
LSD (P=.05)								2.7	1.5	3.0	4.3
Standard Deviation								1.9	1.1	2.1	3.0
CV								1.96	1.09	2.19	3.14
Replicate F								0.245	1.000	1.526	0.536
Replicate Prob(F)								0.8642	0.4031	0.2230	0.6606
Treatment F								0.901	1.000	1.389	1.845
Treatment Prob(F)								0.5591	0.4697	0.2082	0.0701

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					BRAPP	BRAPP	BRAPP	BRAPP
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 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				
1Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	96ab	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Permit	75%AW/W	0.0625LB AI/A	1OZ AI/A					
2Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	96ab	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
League	75%AW/W	0.25LB AI/A	4OZ AI/A					
3Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	97ab	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Londax	60%	.0313LB AI/A	0.5OZ AI/A					
4Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	94bc	98a	96a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Grasp	2LBA/GAL	.036LB AI/A	2.3FL OZ/A					
5Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	92c	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Grasp Xtra	1.75LBA/GAL	.314LB AI/A	23FL OZ/A					
6Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	94bc	98a	95a	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
Regiment	80%	.0313LB AI/A	0.5OZ AI/A					
7Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	EPOST	96ab	97a	96a	92b
Agri-Dex	100%	1% V/V	1% V/V	EPOST				
No Mixture Herbicide								
8Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	97a	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Permit	75%AW/W	0.0625LB AI/A	1OZ AI/A					
9Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	97a	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
League	75%AW/W	0.25LB AI/A	4OZ AI/A					
10Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	97a	98a	98a	96a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Londax	60%	.0313LB AI/A	0.5OZ AI/A					
11Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	98a	98a	98a	97a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Grasp	2LBA/GAL	.036LB AI/A	2.3FL OZ/A					
12Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	97a	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Grasp Xtra	1.75LBA/GAL	.314LB AI/A	23FL OZ/A					
13Provisia	.88LBA/GAL	.107LB AI/A	15.5FL OZ/A	LPOST	97ab	98a	98a	98a
Agri-Dex	100%	1% V/V	1% V/V	LPOST				
Regiment	80%	.0313LB AI/A	0.5OZ AI/A					

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP
Rating Date								6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								8 DAT	24 DAT	36 DAT	50 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			
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST	94bc	98a	98a	97a
Agri-Dex	100	%		1% V/V		1% V/V	LPOST				
No Mixture Herbicide											
LSD (P=.05)								2.9	0.6	2.5	2.7
Standard Deviation								2.0	0.4	1.7	1.9
CV								2.12	0.45	1.79	1.95
Replicate F								1.550	1.334	1.126	2.184
Replicate Prob(F)								0.2171	0.2772	0.3505	0.1053
Treatment F								3.087	0.924	1.664	3.042
Treatment Prob(F)								0.0032	0.5384	0.1090	0.0036

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code					SEBEX	SEBEX	SEBEX	SEBEX
Rating Date					6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					8 DAT	24 DAT	36 DAT	50 DAT
Number of Decimals					0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage		
1Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A		
2Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A		
3Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	96a	97a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A		
4Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	95a	98a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A		
5Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	98a
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A		
6Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	97a	93b
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A		
7Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A EPOST	0d	0d
Agri-Dex	100%		1%	V/V	1%	V/V EPOST		
No Mixture Herbicide								
8Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	93a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
Permit	75%AW/W		0.0625LB	AI/A	1OZ	AI/A		
9Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	93a	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
League	75%AW/W		0.25LB	AI/A	4OZ	AI/A		
10Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	63c	61c
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
Londax	60%		.0313LB	AI/A	0.5OZ	AI/A		
11Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	93a	94ab
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
Grasp	2LBA/GAL		.036LB	AI/A	2.3FL	OZ/A		
12Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	93a	97ab
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
Grasp Xtra	1.75LBA/GAL		.314LB	AI/A	23FL	OZ/A		
13Provisia	.88LBA/GAL		.107LB	AI/A	15.5FL	OZ/A LPOST	86b	98a
Agri-Dex	100%		1%	V/V	1%	V/V LPOST		
Regiment	80%		.0313LB	AI/A	0.5OZ	AI/A		

LSU AgCenter SPESS

Provisia Herbicide Tankmix Study

Trial ID:C14-28 Location:RRS-Crowley, LA
 Protocol ID:C14-28 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								8 DAT	24 DAT	36 DAT	50 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			
14Provisia	.88	LBA/GAL	.107	LB AI/A	15.5	FL OZ/A	LPOST	0d	0d	0d	0c
Agri-Dex	100	%		1% V/V		1% V/V	LPOST				
No Mixture Herbicide											
LSD (P=.05)								5.0	4.1	9.9	4.6
Standard Deviation								3.5	2.9	6.9	3.2
CV								4.51	3.57	8.76	4.01
Replicate F								1.066	0.705	0.611	1.409
Replicate Prob(F)								0.3747	0.5546	0.6121	0.2546
Treatment F								378.733	607.813	108.036	492.152
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Herbicide Rate Study

Experiment number: **C14-29**
 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: CL 151, Provisia, and CLXL 745
 Planting date: 04/16/14
 Emergence date: 05/07/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	5/19/14	05/26/14
Time [hh:mm-hh:mm]	2:00-2:15P	2:50-3:00P
Incorporation equip./Depth	N/A	NA
Air/Soil temperature [F]	84/82	86/87
Relative humidity [%]	42	51
Wind [mph, direction]	5-7/S	6/8/SE
Weather [sunny, etc]	sunny	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet/dry
Crop stage/Height	1-3lf/2-9"	1-2tiller/7-12"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/23	15/22
Applied by	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----
ECHCG(25-50m ⁻²)	6-10"/1-2tiller
SEBEX(10-20m ⁻²)	7-14"/7-14lf
CYPES(10-20m ⁻²)	7-14"/7-14lf
ALRPH(10-20m ⁻²)	10-15"/10-25lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22, 05/29
 Permanent Flood: 06/05

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia herbicide rate study

Trial ID:C14-29 Location:RRS-Crowley, LA
Protocol ID:C14-29 Investigator:Eric P. Webster

Pest Code					CLXL 745	CLXL 745	CLXL 745	CLXL 745	PROVISIA	PROVISIA
Rating Date					6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit					%	%	%	%	%	%
Trt-Eval Interval					7 DAT	24 DAT	36 DAT	50 DAT	7 DAT	24 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						
1Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	EPOST	86 a	95 a	94 a	85b	9b	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
2Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	EPOST	86 a	96 a	94 a	88ab	16a	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
3Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	EPOST	87 a	96 a	96 a	90ab	19a	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
4Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	EPOST	81 a	96 a	94 a	85b	13ab	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
5Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	EPOST	86 a	97 a	97 a	95a	18a	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
6Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	EPOST	86 a	97 a	95 a	92ab	19a	0 a
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	LPOST						
Agri-Dex	100%	1% V/V	1% V/V	LPOST						
7Nontreated					0b	0b	0b	0c	0c	0a
LSD (P=.05)					8.5	3.6	4.5	7.2	7.3	0.0
Standard Deviation					5.7	2.4	3.0	4.8	4.9	0.0
CV					7.81	2.98	3.74	6.3	37.23	0.0
Replicate F					0.092	1.700	5.721	6.250	1.230	0.000
Replicate Prob(F)					0.9635	0.2028	0.0062	0.0043	0.3280	1.0000
Treatment F					127.960	878.782	558.219	197.958	7.820	0.000
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0003	1.0000

LSU AgCenter SPESS

Provisia herbicide rate study

Trial ID:C14-29 Location:RRS-Crowley, LA
Protocol ID:C14-29 Investigator:Eric P. Webster

Pest Code						PROVISIA	PROVISIA	CL 151	CL 151	CL 151	CL 151
Rating Date						7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type						INJURY	INJURY	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						36 DAT	50 DAT	7 DAT	24 DAT	36 DAT	50 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							
1Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	EPOST	0a	0a	96a	96b	94a	89a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
2Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	EPOST	0a	0a	94a	96b	96a	93a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
3Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	EPOST	0a	0a	95a	98a	97a	93a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
4Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	EPOST	0a	0a	93a	97ab	94a	92a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
5Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	EPOST	0a	0a	96a	97ab	97a	95a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
6Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	EPOST	0a	0a	95a	97ab	97a	94a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
7Nontreated					0a	0a	0b	0c	0b	0b	
LSD (P=.05)					0.0	0.0	4.4	1.7	4.6	6.2	
Standard Deviation					0.0	0.0	3.0	1.2	3.1	4.2	
CV					0.0	0.0	3.66	1.41	3.79	5.27	
Replicate F					0.000	0.000	0.566	5.538	6.053	7.828	
Replicate Prob(F)					1.0000	1.0000	0.6444	0.0071	0.0049	0.0015	
Treatment F					0.000	0.000	581.108	3916.919	543.064	280.503	
Treatment Prob(F)					1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Provisia herbicide rate study

Trial ID:C14-29 Location:RRS-Crowley, LA
Protocol ID:C14-29 Investigator:Eric P. Webster

Pest Code						RED RICE	RED RICE	RED RICE	RED RICE	ECHCG	ECHCG
Rating Date						6/2/2014	6/19/2014	7/1/2014	7/15/2014	6/2/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						7 DAT	24 DAT	36 DAT	50 DAT	7 DAT	24 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							
1Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	EPOST	95 a	95 b	98 a	96 a	98 a	97 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.089LB AI/A	12.9FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
2Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	EPOST	96 a	96 ab	97 a	94 a	98 a	98 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
3Provisia	0.88LBA/GAL	.124LB AI/A	18FL OZ/A	EPOST	95 a	97 ab	97 a	97 a	96 b	97 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.0825LB AI/A	12FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
4Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	EPOST	95 a	97 ab	97 a	94 a	98 a	98 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.103LB AI/A	15FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
5Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	EPOST	97 a	98 a	99 a	98 a	97 ab	98 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
6Provisia	0.88LBA/GAL	.138LB AI/A	20FL OZ/A	EPOST	96 a	97 ab	97 a	96 a	97 b	98 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST							
Provisia	0.88LBA/GAL	.069LB AI/A	10FL OZ/A	LPOST							
Agri-Dex	100%	1% V/V	1% V/V	LPOST							
7Nontreated					0 b	0 c	0 b	0 b	0 c	0 b	
LSD (P=.05)					3.9	2.8	3.5	4.4	1.3	1.3	
Standard Deviation					2.6	1.9	2.4	2.9	0.9	0.9	
CV					3.19	2.26	2.86	3.59	1.09	1.03	
Replicate F					0.238	1.988	3.891	3.174	3.130	1.946	
Replicate Prob(F)					0.8690	0.1520	0.0264	0.0494	0.0514	0.1584	
Treatment F					762.659	1521.122	953.654	604.086	6593.058	7400.481	
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

Provisia herbicide rate study

Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP		
Rating Date							7/1/2014	7/15/2014	6/2/2014	6/19/2014	7/1/2014	7/15/2014		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%		
Trt-Eval Interval							36 DAT	50 DAT	7 DAT	24 DAT	36 DAT	50 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	Provisia	0.88	LBA/GAL	.089	LB AI/A	12.9	FL OZ/A	EPOST	96a	95a	98a	97b	98a	97a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.089	LB AI/A	12.9	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
2	Provisia	0.88	LBA/GAL	.0825	LB AI/A	12	FL OZ/A	EPOST	98a	97a	98a	98a	98a	98a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.124	LB AI/A	18	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
3	Provisia	0.88	LBA/GAL	.124	LB AI/A	18	FL OZ/A	EPOST	96a	95a	97ab	98a	98a	97a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.0825	LB AI/A	12	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
4	Provisia	0.88	LBA/GAL	.103	LB AI/A	15	FL OZ/A	EPOST	97a	96a	98a	98ab	98a	97a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.103	LB AI/A	15	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
5	Provisia	0.88	LBA/GAL	.069	LB AI/A	10	FL OZ/A	EPOST	98a	98a	97ab	98a	98a	98a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.138	LB AI/A	20	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
6	Provisia	0.88	LBA/GAL	.138	LB AI/A	20	FL OZ/A	EPOST	98a	98a	97b	98a	98a	98a
	Agri-Dex	100%		1%	V/V	1%	V/V	EPOST						
	Provisia	0.88	LBA/GAL	.069	LB AI/A	10	FL OZ/A	LPOST						
	Agri-Dex	100%		1%	V/V	1%	V/V	LPOST						
7	Nontreated								0b	0b	0c	0c	0a	0b
LSD (P=.05)							3.3	3.6	1.3	0.8	0.0	0.0	1.7	
Standard Deviation							2.2	2.4	0.9	0.5	0.0	0.0	1.1	
CV							2.67	2.89	1.08	0.64	0.0	0.0	1.34	
Replicate F							0.910	1.618	2.826	1.767	0.000	0.000		
Replicate Prob(F)							0.4556	0.2203	0.0679	0.1894	1.0000	1.0000		
Treatment F							1090.095	933.142	6609.058	18866.260	0.000	4346.714		
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	0.0000		

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Aim/Obey Combination Study in Clearfield Rice

Experiment number: **C14-30**
 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: CL 151
 Planting date: 04/16/14
 Emergence date: 05/05/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type	PRE	VEPOST	4-5 leaf
Date applied [mm/dd/yy]	4/17/14	5/12/14	5/26/14
Time [hh:mm-hh:mm]	10:00-10:15A	10:40-10:50A	3:27-3:38P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	62/61	83/81	86/87
Relative humidity [%]	90	72	51
Wind [mph, direction]	5-8/SE	7-9/SSE	5-8/SSE
Weather [sunny, etc]	cloudy	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry	wet/dry
Crop stage/Height	N/A	N/A	4-5lf/5-7"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/23
Applied by	JCF	BMM	BMM

Weed Species (population)	(height/#leaves)	
SEBEX(10-15m ⁻²)	1-2"/cot-2lf	5-7"/5-7lf
CYPIR(200-300m ⁻²)	0.5-1"/2-3lf	2-6"/3-6lf
BRAPP(100-150m ⁻²)	0.5-1"/1-2lf	2-6"/3-6lf
CYPES(5-10m ⁻²)	2-4"/3-5lf	7-10"/6-12lf
ORYSA(10-20m ⁻²)	2-4"/1-3lf	6-10"/4-5lf
ECHCG(25-50m ⁻²)	2-4"/1-4lf	6-10"/4-5lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22, 05/29
 Permanent Flood: 06/05

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code					ORYZA	ORYZA	ORYZA	ORYZA	BRAPP
Rating Date					6/3/2014	6/18/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%
Trt-Eval Interval					8 DAT	23 DAT	35 DAT	49 DAT	8 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 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	78a	89cd	95ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			97a
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			93bc
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
2 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	73a	90bcd	94ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			95b
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			95abc
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
3 Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST	79a	92ab	95ab
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			96ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			93bc
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
4 Obey	2.4LB/GAL		.5LB	AI/A	26.7FL	OZ/A PRE	80a	92ab	95ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			96ab
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			90c
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A 4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	79a	91bc	97a
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			97a
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			91c
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Command	3LBA/GAL		0.375LB	AI/A	16FL	OZ/A 4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	78a	93ab	95ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			96ab
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			98ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			
7 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A PRE	76a	88d	94ab
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A VEPOST			95b
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST			95abc
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF			
Facet L	1.5LBA/GAL		0.375LB	AI/A	32FL	OZ/A 4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF			

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30 Location:RRS-Crowley, LA
 Protocol ID:C14-30 Investigator:Eric P. Webster

Pest Code						ORYZA	ORYZA	ORYZA	ORYZA	BRAPP
Rating Date						6/3/2014	6/18/2014	6/30/2014	7/14/2014	6/3/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	23 DAT	35 DAT	49 DAT	8 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		
8Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	PRE	75a	93a	94b
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A	VEPOST			96ab
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST			99a
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A	4-5 LEAF			
Obey	2.4LB/GAL		0.5LB	AI/A	26.7FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF			
9Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	0b	0e	0c
Nontreated									0c	0d
LSD (P=.05)								12.0	2.7	3.0
Standard Deviation								8.2	1.8	2.1
CV								12.01	2.29	2.45
Replicate F								2.501	0.574	0.731
Replicate Prob(F)								0.0836	0.6378	0.5437
Treatment F								39.282	1075.368	938.135
Treatment Prob(F)								0.0001	0.0001	0.0001

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code						BRAPP	BRAPP	ECHCG	ECHCG	ECHCG
Rating Date						6/30/2014	7/14/2014	6/3/2014	6/30/2014	7/14/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						35 DAT	49 DAT	8 DAT	35 DAT	49 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 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95a	97a	97cde	96a	96a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	94a	96a	98abc	94a	97a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
3 Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST	94a	96a	97bcd	94a	95a	
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
4 Obey	2.4LB/GAL	.5LB AI/A	26.7FL OZ/A	PRE	95a	96a	95e	95a	96a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.4LB AI/A	17FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
5 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	94a	96a	96de	95a	95a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.375LB AI/A	16FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
6 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	94a	96a	99ab	95a	97a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Obey	2.4LB/GAL	0.75LB AI/A	40FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
7 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96a	96a	98abc	96a	95a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Facet L	1.5LBA/GAL	0.375LB AI/A	32FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30 Location:RRS-Crowley, LA
 Protocol ID:C14-30 Investigator:Eric P. Webster

Pest Code							BRAPP	BRAPP	ECHCG	ECHCG	ECHCG
Rating Date							6/30/2014	7/14/2014	6/3/2014	6/30/2014	7/14/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAT	49 DAT	8 DAT	35 DAT	49 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			
8Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A		PRE	94a	96a	99a
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		VEPOST			95a
Agri-Dex	100%		1% V/V		1% V/V			VEPOST			96a
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A		4-5 LEAF			
Obey	2.4LB/GAL		0.5LB	AI/A	26.7FL	OZ/A		4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A		4-5 LEAF			
Agri-Dex	100%		1% V/V		1% V/V			4-5 LEAF			
9Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A		PRE	0b	0b	0f
Nontreated										0b	0b
LSD (P=.05)							2.9	2.3	1.8	2.7	2.2
Standard Deviation							2.0	1.6	1.3	1.8	1.5
CV							2.37	1.82	1.47	2.16	1.76
Replicate F							0.916	0.015	2.078	0.546	1.994
Replicate Prob(F)							0.4481	0.9973	0.1298	0.6554	0.1418
Treatment F							999.617	1696.347	2617.987	1206.790	1816.245
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code						ECLAL	ECLAL	ECLAL	CYPES	CYPES
Rating Date						6/3/2014	6/30/2014	7/14/2014	6/3/2014	6/18/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						8 DAT	35 DAT	49 DAT	8 DAT	23 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 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	98 a	94 ab	95 a	97 ab	93 c	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	91 a	94 ab	96 a	94 b	95 abc	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
3 Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST	63 b	94 ab	96 a	97 ab	95 abc	
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
4 Obey	2.4LB/GAL	.5LB AI/A	26.7FL OZ/A	PRE	98 a	94 ab	96 a	96 ab	93 bc	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.4LB AI/A	17FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
5 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96 a	97 a	96 a	97 ab	93 c	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.375LB AI/A	16FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
6 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	97 a	94 ab	95 a	97 ab	97 a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Obey	2.4LB/GAL	0.75LB AI/A	40FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
7 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	93 a	94 ab	96 a	98 ab	94 abc	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Facet L	1.5LBA/GAL	0.375LB AI/A	32FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30	Location:RRS-Crowley, LA
Protocol ID:C14-30	Investigator:Eric P. Webster

Pest Code								ECLAL	ECLAL	ECLAL	CYPES	CYPES
Rating Date								6/3/2014	6/30/2014	7/14/2014	6/3/2014	6/18/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								8 DAT	35 DAT	49 DAT	8 DAT	23 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	Obe	2.4	LB/GAL	0.75	LB AI/A	40	FL OZ/A		PRE	99a	93b	95a
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A		VEPOST			
	Agri-Dex	100	%	1	% V/V	1	% V/V		VEPOST			
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	4-5	LEAF			
	Obe	2.4	LB/GAL	0.5	LB AI/A	26.7	FL OZ/A	4-5	LEAF			
	Aim	2	LB/GAL	0.0156	LB AI/A	1	FL OZ/A	4-5	LEAF			
	Agri-Dex	100	%	1	% V/V	1	% V/V	4-5	LEAF			
9	Command	3	LB/GAL	0.3	LB AI/A	12.8	FL OZ/A		PRE	0c	0c	0b
	Nontreated											0c
LSD (P=.05)								10.7	3.0	2.0	3.5	3.2
Standard Deviation								7.3	2.0	1.3	2.4	2.2
CV								8.97	2.43	1.58	2.81	2.58
Replicate F								2.424	0.114	0.351	0.464	1.524
Replicate Prob(F)								0.0905	0.9510	0.7891	0.7102	0.2338
Treatment F								79.416	952.940	2259.851	713.793	844.570
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code						CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date						6/30/2014	7/14/2014	6/3/2014	6/18/2014	6/30/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						35 DAT	49 DAT	8 DAT	23 DAT	35 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 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	96ab	95a	99a	95c	96ab	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95ab	95a	98a	96abc	93b	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
3 Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST	96ab	94a	98a	96abc	97a	
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
4 Obey	2.4LB/GAL	.5LB AI/A	26.7FL OZ/A	PRE	94b	96a	98a	95bc	94ab	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.4LB AI/A	17FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
5 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96ab	96a	98a	95bc	95ab	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.375LB AI/A	16FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
6 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	97a	95a	99a	98a	95ab	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Obey	2.4LB/GAL	0.75LB AI/A	40FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
7 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	95ab	95a	99a	97abc	94ab	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Facet L	1.5LBA/GAL	0.375LB AI/A	32FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30	Location:RRS-Crowley, LA
Protocol ID:C14-30	Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date								6/30/2014	7/14/2014	6/3/2014	6/18/2014	6/30/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								35 DAT	49 DAT	8 DAT	23 DAT	35 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					
8Obey	2.4LB/GAL			0.75LB	AI/A	40FL	OZ/A PRE	95ab	97a	99a	97ab	94ab
Newpath	2LB/GAL			0.0625LB	AI/A	4FL	OZ/A VEPOST					
Agri-Dex	100%			1% V/V		1%	V/V VEPOST					
Newpath	2LB/GAL			0.0625LB	AI/A	4FL	OZ/A 4-5 LEAF					
Obey	2.4LB/GAL			0.5LB	AI/A	26.7FL	OZ/A 4-5 LEAF					
Aim	2LBA/GAL			0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF					
Agri-Dex	100%			1% V/V		1%	V/V 4-5 LEAF					
9Command	3LBA/GAL			0.3LB	AI/A	12.8FL	OZ/A PRE	0c	0b	0b	0d	0c
Nontreated												
LSD (P=.05)								2.5	2.7	1.2	2.3	3.2
Standard Deviation								1.7	1.8	0.8	1.6	2.2
CV								2.02	2.18	0.94	1.84	2.62
Replicate F								0.369	4.399	0.165	0.209	0.478
Replicate Prob(F)								0.7757	0.0133	0.9189	0.8889	0.7008
Treatment F								1385.924	1186.386	6393.619	1655.378	818.195
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code						CYPIR	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date						7/14/2014	6/3/2014	6/18/2014	6/30/2014	7/14/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	8 DAT	23 DAT	35 DAT	49 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 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	95b	84cd	83bc	87ab	78b	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	97a	8f	10d	5c	0c	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
3 Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST	95b	19e	10d	8c	0c	
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
4 Obey	2.4LB/GAL	.5LB AI/A	26.7FL OZ/A	PRE	95b	96ab	88ab	93a	91a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.4LB AI/A	17FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
5 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96ab	76d	80c	78b	76b	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Command	3LBA/GAL	0.375LB AI/A	16FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
6 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96ab	89bc	94a	94a	97a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Obey	2.4LB/GAL	0.75LB AI/A	40FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						
7 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	96ab	96ab	92a	95a	95a	
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST						
Agri-Dex	100%	1% V/V	1% V/V	VEPOST						
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF						
Facet L	1.5LBA/GAL	0.375LB AI/A	32FL OZ/A	4-5 LEAF						
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF						
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF						

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30	Location:RRS-Crowley, LA
Protocol ID:C14-30	Investigator:Eric P. Webster

Pest Code								CYPIR	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								7/14/2014	6/3/2014	6/18/2014	6/30/2014	7/14/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	8 DAT	23 DAT	35 DAT	49 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					
8Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	PRE	96ab	99a	92a	93a	96a
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A	VEPOST					
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
Newpath	2LB/GAL		0.0625LB	AI/A	4FL	OZ/A	4-5 LEAF					
Obey	2.4LB/GAL		0.5LB	AI/A	26.7FL	OZ/A	4-5 LEAF					
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF					
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF					
9Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	0c	0f	0e	0c	0c
Nontreated												
LSD (P=.05)								1.8	9.2	6.1	10.3	8.0
Standard Deviation								1.3	6.3	4.2	7.0	5.5
CV								1.48	10.02	6.9	11.46	9.25
Replicate F								1.421	0.480	0.584	1.394	0.140
Replicate Prob(F)								0.2611	0.6994	0.6313	0.2688	0.9352
Treatment F								2573.368	173.162	380.620	151.288	270.336
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Aim/Obey Combination Study in Clearfield Rice

Trial ID: C14-30 Location: RRS-Crowley, LA
 Protocol ID: C14-30 Investigator: Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE
Rating Date						6/3/2014	6/18/2014	6/30/2014	7/14/2014
Rating Type						INJURY	INJURY	INJURY	INJURY
Rating Unit						%	%	%	%
Trt-Eval Interval						8 DAT	23 DAT	35 DAT	49 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					
1 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
3 Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST	0a	0a	0a	0a	0a
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
4 Obey	2.4LB/GAL	.5LB AI/A	26.7FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Command	3LBA/GAL	0.4LB AI/A	17FL OZ/A	4-5 LEAF					
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
5 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Command	3LBA/GAL	0.375LB AI/A	16FL OZ/A	4-5 LEAF					
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
6 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Obey	2.4LB/GAL	0.75LB AI/A	40FL OZ/A	4-5 LEAF					
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					
7 Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	0a	0a	0a	0a	0a
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	VEPOST					
Agri-Dex	100%	1% V/V	1% V/V	VEPOST					
Newpath	2LB/GAL	0.0625LB AI/A	4FL OZ/A	4-5 LEAF					
Facet L	1.5LBA/GAL	0.375LB AI/A	32FL OZ/A	4-5 LEAF					
Aim	2LBA/GAL	0.0156LB AI/A	1FL OZ/A	4-5 LEAF					
Agri-Dex	100%	1% V/V	1% V/V	4-5 LEAF					

Aim/Obey Combination Study in Clearfield Rice

Trial ID:C14-30	Location:RRS-Crowley, LA
Protocol ID:C14-30	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE
Rating Date							6/3/2014	6/18/2014	6/30/2014	7/14/2014
Rating Type							INJURY	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							8 DAT	23 DAT	35 DAT	49 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	
8	Obeypath	2.4	LB/GAL	0.75	LB AI/A	40	FL OZ/A	PRE		
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	VEPOST		
	Agri-Dex	100	%	1	% V/V	1	% V/V	VEPOST		
	Newpath	2	LB/GAL	0.0625	LB AI/A	4	FL OZ/A	4-5 LEAF		
	Obeypath	2.4	LB/GAL	0.5	LB AI/A	26.7	FL OZ/A	4-5 LEAF		
	Aim	2	LB/GAL	0.0156	LB AI/A	1	FL OZ/A	4-5 LEAF		
	Agri-Dex	100	%	1	% V/V	1	% V/V	4-5 LEAF		
9	Command	3	LB/GAL	0.3	LB AI/A	12.8	FL OZ/A	PRE		
	Nontreated									
LSD (P=.05)							0.0	0.0	0.0	0.0
Standard Deviation							0.0	0.0	0.0	0.0
CV							0.0	0.0	0.0	0.0
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

School of Plant, Environmental and Soil Sciences

Conventional Hybrid Tolerance to Sharpen

Experiment number: **C14-32**
 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: XL 723
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/15
 Uniform std. treatment: RiceStar at 24 oz/A (fenoxaprop at 0.11 lb ai/A) applied EPOST 5/7/14

Application type	PRE	VEPOST	Overspray	MPOST
Date applied [mm/dd/yy]	4/2/14	4/28/14	5/7/14	5/26/14
Time [hh:mm-hh:mm]	9:20-9:30A	12:20-12:30P	1:00-1:15P	11:45-12:10P
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	69/63	81/75	84/76	85/86
Relative humidity [%]	88	77	50	52
Wind [mph, direction]	5-8/SE	5-8/SW	8-10/S	5-8/S
Weather [sunny, etc]	cloudy	cloudy	cloudy	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	dry/dry	flood/dry
Crop stage/Height	N/A	1-2lf/2-6"	2-4lf/2-4"	1-2tiller/4-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/23	15/23	15/23
Applied by	BMM	JCF	EPW	EAB

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

Conventional Hybrid Tolerance to Sharpen

Pest Code	RICE						RICE	RICE	RICE	RICE	
Rating Date	5/1/2014						5/1/2014	5/1/2014	5/6/2014	5/6/2014	
Rating Type	HEIGHT						HEIGHT	AVG HT	STAND	STAND	
Rating Unit	cm						cm	cm	#	#	
Trt-Eval Interval	28 DAPRE						28 DAPRE	28 DAPRE	8 DAVEPOST	8 DAVEPOST	
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				
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.50OZ/A	PRE		14a	13a	13ab	16a	14bc
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.00OZ/A	PRE		14a	15a	15a	17a	16abc
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.00OZ/A	PRE		13a	14a	13ab	17a	16ab
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.50OZ/A	VEPOST		11a	11a	11bc	13a	12c
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.00OZ/A	VEPOST		11a	11a	11c	14a	15abc
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.00OZ/A	VEPOST		12a	11a	12bc	12a	12c
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.50OZ/A	MPOST					16a	13bc
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.00OZ/A	MPOST					16a	19a
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.00OZ/A	MPOST					16a	15bc
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
10Nontreated							13a	13a	13abc	15a	15abc
LSD (P=.05)							2.6	2.9	2.0	5.0	4.1
Standard Deviation							1.7	1.9	1.3	3.5	2.8
CV							13.78	15.38	10.73	22.9	19.39
Replicate F							0.618	0.187	0.432	0.080	0.235
Replicate Prob(F)							0.6121	0.9039	0.7329	0.9701	0.8710
Treatment F							1.660	2.614	3.638	0.914	2.386
Treatment Prob(F)							0.1885	0.0531	0.0153	0.5281	0.0399

LSU AgCenter SPSS

Conventional Hybrid Tolerance to Sharpen

Trial ID:C14-32	Location:RRS-Crowley, LA
Protocol ID:C14-32	Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE	
Rating Date								5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	
Rating Type								AVG STAND	HEIGHT	HEIGHT	HEIGHT	HEIGHT	
Rating Unit								#	cm	cm	cm	cm	
Trt-Eval Interval								8 DAVEPOST	8 DAVEPOST	8 DAVEPOST	8 DAVEPOST	8 DAVEPOST	
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	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	15a	14ab	15ab	15bc	15a-d
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	16a	14ab	15ab	16abc	17a
3	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	17a	14ab	14ab	17ab	14cd
4	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	12a	12bc	13ab	15abc	14bcd
	Agri-Dex	100%		1%	V/V		1%V/V	VEPOST					
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	15a	10c	10c	13d	13cd
	Agri-Dex	100%		1%	V/V		1%V/V	VEPOST					
6	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	12a	13abc	13b	14cd	12d
	Agri-Dex	100%		1%	V/V		1%V/V	VEPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	15a	16a	16ab	17ab	15a-d
	Agri-Dex	100%		1%	V/V		1%V/V	MPOST					
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	18a	15a	14ab	17ab	16abc
	Agri-Dex	100%		1%	V/V		1%V/V	MPOST					
9	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	15a	16a	16a	17a	17ab
	Agri-Dex	100%		1%	V/V		1%V/V	MPOST					
10	Nontreated								15a	15ab	15ab	16ab	15abc
LSD (P=.05)								3.6	2.8	2.9	2.2	2.8	
Standard Deviation								2.5	1.9	2.0	1.5	1.9	
CV								16.9	13.95	14.42	9.82	12.98	
Replicate F								0.159	1.010	0.278	2.148	1.796	
Replicate Prob(F)								0.9231	0.4036	0.8408	0.1175	0.1717	
Treatment F								1.987	3.106	3.065	3.586	2.548	
Treatment Prob(F)								0.0812	0.0108	0.0116	0.0048	0.0299	

LSU AgCenter SPESS

Conventional Hybrid Tolerance to Sharpen

Trial ID:C14-32 Location:RRS-Crowley, LA
Protocol ID:C14-32 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						
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage						
1Sharpen	2.85LBA/GAL	0.0111LB AI/A	0.5OZ/A	PRE	15a-d	58a	53a	60a	58a	
2Sharpen	2.85LBA/GAL	.0223LB AI/A	1.0OZ/A	PRE	15abc	58a	51a	57ab	54a	
3Sharpen	2.85LBA/GAL	.0445LB AI/A	2.0OZ/A	PRE	15bcd	55a	51a	45c	54a	
4Sharpen	2.85LBA/GAL	0.0111LB AI/A	0.5OZ/A	VEPOST	14cd	54a	58a	52bc	48a	
Agri-Dex	100%	1% V/V	1%V/V	VEPOST						
5Sharpen	2.85LBA/GAL	.0223LB AI/A	1.0OZ/A	VEPOST	11e	53a	54a	52bc	52a	
Agri-Dex	100%	1% V/V	1%V/V	VEPOST						
6Sharpen	2.85LBA/GAL	.0445LB AI/A	2.0OZ/A	VEPOST	13de	50a	53a	54ab	53a	
Agri-Dex	100%	1% V/V	1%V/V	VEPOST						
7Sharpen	2.85LBA/GAL	0.0111LB AI/A	0.5OZ/A	MPOST	16ab	51a	57a	59ab	56a	
Agri-Dex	100%	1% V/V	1%V/V	MPOST						
8Sharpen	2.85LBA/GAL	.0223LB AI/A	1.0OZ/A	MPOST	15abc	55a	52a	52bc	50a	
Agri-Dex	100%	1% V/V	1%V/V	MPOST						
9Sharpen	2.85LBA/GAL	.0445LB AI/A	2.0OZ/A	MPOST	16a	57a	53a	57ab	57a	
Agri-Dex	100%	1% V/V	1%V/V	MPOST						
10Nontreated					15abc	55a	57a	56ab	56a	
LSD (P=.05)					1.8	7.1	7.0	7.5	7.0	
Standard Deviation					1.3	4.9	4.8	5.2	4.8	
CV					8.69	8.97	8.92	9.55	9.01	
Replicate F					1.325	3.330	4.572	4.490	1.040	
Replicate Prob(F)					0.2868	0.0343	0.0103	0.0111	0.3905	
Treatment F					5.421	1.137	1.203	2.894	1.657	
Treatment Prob(F)					0.0003	0.3719	0.3334	0.0156	0.1491	

LSU AgCenter SPSS

Conventional Hybrid Tolerance to Sharpen

Trial ID:C14-32	Location:RRS-Crowley, LA
Protocol ID:C14-32	Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE	
Rating Date								6/16/2014	6/19/2014	6/19/2014	6/19/2014	6/19/2014	
Rating Type								AVG HT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	
Rating Unit								cm	cm	cm	cm	cm	
Trt-Eval Interval								20 DAMPOST	23 DAMPOST	23 DAMPOST	23 DAMPOST	23 DAMPOST	
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	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	57a	88a	91a	88a	86a
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	55a	87a	88a	92a	93a
3	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	51a	85a	90a	92a	92a
4	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	53a	88a	91a	89a	83a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	53a	83a	85a	87a	90a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
6	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	53a	77a	80a	79a	79a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	56a	86a	85a	86a	88a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	52a	83a	84a	89a	91a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
9	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	56a	84a	85a	87a	87a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
10	Nontreated								56a	88a	87a	93a	82a
LSD (P=.05)								4.2	12.1	9.8	9.7	10.0	
Standard Deviation								2.9	8.3	6.7	6.7	6.9	
CV								5.34	9.82	7.78	7.59	7.9	
Replicate F								5.659	3.484	6.329	5.976	9.782	
Replicate Prob(F)								0.0038	0.0294	0.0022	0.0029	0.0002	
Treatment F								1.951	0.687	1.073	1.368	1.800	
Treatment Prob(F)								0.0867	0.7139	0.4129	0.2505	0.1147	

Conventional Hybrid Tolerance to Sharpen

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/19/2014	5/1/2014	5/6/2014	6/19/2014	8/12/2014
Rating Type							AVG HT	INJURY	INJURY	INJURY	HEIGHT
Rating Unit							cm	%	%	%	cm
Trt-Eval Interval							23 DAMPOST	28 DAPRE	8 DAVEPOST	23 DAMPOST	HARVEST
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				
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	PRE		88a	30b	3e	4a	116a
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	PRE		90a	25b	6de	1a	115a
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	PRE		90a	59a	11d	3a	114a
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	VEPOST		88a	66a	23c	4a	117a
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	VEPOST		86a	74a	35b	2a	114a
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	VEPOST		79a	68a	48a	4a	112a
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST		86a	0c	0e	0a	117a
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	MPOST		87a	0c	0e	0a	115a
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	MPOST		86a	0c	0e	1a	116a
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
10Nontreated							88a	0c	0e	0a	113a
LSD (P=.05)							9.2	21.3	6.7	4.5	5.4
Standard Deviation							6.4	14.7	4.6	3.1	3.7
CV							7.34	45.8	36.59	171.63	3.22
Replicate F							7.532	3.214	0.514	0.971	4.109
Replicate Prob(F)							0.0008	0.0386	0.6758	0.4209	0.0159
Treatment F							0.966	18.563	54.846	1.035	0.808
Treatment Prob(F)							0.4886	0.0001	0.0001	0.4389	0.6129

Conventional Hybrid Tolerance to Sharpen

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							8/12/2014	8/12/2014	8/12/2014	8/12/2014	8/12/2014
Rating Type							HEIGHT	AVG HT	WEIGHT	MOISTURE	YIELD
Rating Unit							cm	cm	g	%	LB
Trt-Eval Interval							HARVEST	HARVEST	HARVEST	HARVEST	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					
1Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A PRE	116a	116a	3795a	18a	9419a
2Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A PRE	116a	116a	3589a	18a	8908a
3Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A PRE	118a	116a	3404a	18a	8449a
4Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A VEPOST	117a	117a	3939a	18a	9825a
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST					
5Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A VEPOST	115a	115a	3515a	18a	8734a
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST					
6Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A VEPOST	112a	112a	3085a	18a	7651a
Agri-Dex	100%		1%	V/V	1%	V/V VEPOST					
7Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A MPOST	114a	116a	3435a	18a	8522a
Agri-Dex	100%		1%	V/V	1%	V/V MPOST					
8Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A MPOST	119a	117a	3843a	18a	9543a
Agri-Dex	100%		1%	V/V	1%	V/V MPOST					
9Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A MPOST	113a	115a	3728a	18a	9262a
Agri-Dex	100%		1%	V/V	1%	V/V MPOST					
10Nontreated							118a	115a	3538a	18a	8783a
LSD (P=.05)							7.2	5.7	656.7	0.3	1629.9
Standard Deviation							5.0	3.9	452.6	0.2	1123.3
CV							4.31	3.38	12.62	1.29	12.61
Replicate F							1.581	2.991	0.422	81.000	0.233
Replicate Prob(F)							0.2169	0.0484	0.7390	0.0001	0.8723
Treatment F							0.787	0.518	1.234	1.000	1.273
Treatment Prob(F)							0.6302	0.8488	0.3164	0.4635	0.2955

LSU AgCenter SPESS

Conventional Hybrid Tolerance to Sharpen

Trial ID:C14-32 Location:RRS-Crowley, LA
 Protocol ID:C14-32 Investigator:Eric P. Webster

Pest Code							RICE
Rating Date							8/12/2014
Rating Type							YIELD
Rating Unit							KG/HA
Trt-Eval Interval							HARVEST
Number of Decimals							0
Trt Treatment	Form	Form	Rate	Other	Other	Growth	
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage
1Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE
2Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE
3Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE
4Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST
5Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST
6Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST
7Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST
8Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST
9Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST
10Nontreated							9844a
LSD (P=.05)							1826.9
Standard Deviation							1259.1
CV							12.61
Replicate F							0.233
Replicate Prob(F)							0.8723
Treatment F							1.273
Treatment Prob(F)							0.2956

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Clearfield Hybrid ‘CLXL 725’ Tolerance to Sharpen

Experiment number: **C14-33**
 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: CL XL745
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/15
 Uniform std. treatment: RiceStar 24 oz at EPOST

Application type	PRE	VEPOST	Overspray	MPOST
Date applied [mm/dd/yy]	4/2/14	4/28/14	5/7/14	5/26/14
Time [hh:mm-hh:mm]	9:20-9:30A	12:20-12:30P	1:00-1:15P	11:45-12:10P
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	69/63	81/75	84/76	85/86
Relative humidity [%]	88	77	50	52
Wind [mph, direction]	5-8/SE	5-8/SW	8-10/S	5-8/S
Weather [sunny, etc]	cloudy	cloudy	cloudy	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	dry/dry	flood/dry
Crop stage/Height	N/A	1-2lf/2-6"	2-4lf/2-4"	1-2tiller/4-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/23	15/23	15/23
Applied by	BMM	JCF	EPW	EAB

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

***AMFF – Air mix flat fan nozzles**

LSU AgCenter SPSS

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Trial ID:C14-33	Location:RRS-Crowley, LA
Protocol ID:C14-33	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							5/1/2014	5/1/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014
Rating Type							HEIGHT	HEIGHT	STAND	STAND	AVG. STAND	HEIGHT
Rating Unit							cm	cm	#	#	#	cm
Number of Subsamples							1	1	1	1	1	1
SE Group No.							41	42	1	34	84	36
Trt-Eval Interval							2 DAVP	2 DAVP	8 DAVP	8 DAVP	8 DAVP	8 DAVP
ARM Action Codes											T7	
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						
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	PRE		15a	17a	14cd	17a	15a	15a
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	PRE		15a	16ab	14bcd	17a	16a	17a
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	PRE		15a	15ab	17abc	18a	17a	17a
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	VEPOST		14a	13bc	15a-d	16a	15a	16a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST							
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	VEPOST		13a	16ab	14cd	13a	13a	14a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST							
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	VEPOST		13a	11c	11d	14a	13a	12a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST							
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST				19a	19a	19a	
Agri-Dex	100%	1% V/V		1%V/V	MPOST							
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	MPOST				17abc	16a	17a	
Agri-Dex	100%	1% V/V		1%V/V	MPOST							
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	MPOST				19ab	18a	18a	
Agri-Dex	100%	1% V/V		1%V/V	MPOST							
10Nontreated							16a	17a	14cd	16a	15a	16a
LSD (P=.05)							2.9	3.4	4.5	4.1	3.9	3.4
Standard Deviation							1.9	2.3	3.1	2.8	2.7	2.3
CV							13.35	15.61	20.21	17.31	17.08	15.03
Replicate F							0.654	0.602	1.814	1.423	1.023	0.538
Replicate Prob(F)							0.5907	0.6219	0.1684	0.2577	0.3980	0.6625
Treatment F							1.666	3.872	2.456	1.722	2.196	2.239
Treatment Prob(F)							0.1868	0.0117	0.0343	0.1324	0.0552	0.0866

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE	
Rating Date								5/6/2014	5/6/2014	5/6/2014	5/6/2014	6/16/2014	6/16/2014	
Rating Type								HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT	HEIGHT	
Rating Unit								cm	cm	cm	cm	cm	cm	
Number of Subsamples								1	1	1	1	1	1	
SE Group No.								37	38	39	40	44	45	
Trt-Eval Interval								8 DAVP	8 DAVP	8 DAVP	8 DAVP	20 DAT	20 DAT	
ARM Action Codes											T3			
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						
1Sharpen	2.85LBA/GAL		0.0111LB	AI/A		0.50Z/A		PRE	16a	17a	16b	16ab	61a	58a
2Sharpen	2.85LBA/GAL		.0223LB	AI/A		1.00Z/A		PRE	15a	16ab	17b	16ab	63a	60a
3Sharpen	2.85LBA/GAL		.0445LB	AI/A		2.00Z/A		PRE	15a	16ab	17b	16ab	63a	59a
4Sharpen	2.85LBA/GAL		0.0111LB	AI/A		0.50Z/A		VEPOST	16a	16ab	16b	16ab	59a	60a
Agri-Dex	100%		1%	V/V		1%V/V		VEPOST						
5Sharpen	2.85LBA/GAL		.0223LB	AI/A		1.00Z/A		VEPOST	16a	15b	13c	15b	62a	60a
Agri-Dex	100%		1%	V/V		1%V/V		VEPOST						
6Sharpen	2.85LBA/GAL		.0445LB	AI/A		2.00Z/A		VEPOST	9b	11c	12c	11c	59a	58a
Agri-Dex	100%		1%	V/V		1%V/V		VEPOST						
7Sharpen	2.85LBA/GAL		0.0111LB	AI/A		0.50Z/A		MPOST					58a	62a
Agri-Dex	100%		1%	V/V		1%V/V		MPOST						
8Sharpen	2.85LBA/GAL		.0223LB	AI/A		1.00Z/A		MPOST					53a	57a
Agri-Dex	100%		1%	V/V		1%V/V		MPOST						
9Sharpen	2.85LBA/GAL		.0445LB	AI/A		2.00Z/A		MPOST					61a	59a
Agri-Dex	100%		1%	V/V		1%V/V		MPOST						
10Nontreated								16a	16ab	19a	17a	55a	57a	
LSD (P=.05)								3.3	2.1	1.6	1.7	6.5	5.5	
Standard Deviation								2.2	1.4	1.1	1.2	4.5	3.8	
CV								14.83	9.46	6.97	7.65	7.58	6.47	
Replicate F								0.584	0.418	2.581	1.281	4.302	0.842	
Replicate Prob(F)								0.6331	0.7424	0.0854	0.3111	0.0133	0.4829	
Treatment F								5.119	8.280	19.166	11.176	2.066	0.625	
Treatment Prob(F)								0.0032	0.0002	0.0001	0.0001	0.0702	0.7658	

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/16/2014	6/16/2014	6/16/2014	6/19/2014	6/19/2014
Rating Type							HEIGHT	HEIGHT	AVG HT	HEIGHT	HEIGHT
Rating Unit							cm	cm	cm	cm	cm
Number of Subsamples							1	1	1	1	1
SE Group No.							46	47	48	49	50
Trt-Eval Interval							20 DAT	20 DAT	20 DAT	23 DAT	23 DAT
ARM Action Codes									T4		
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					
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	PRE		60 a	64 a	61 a	99 a	101 a
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	PRE		61 a	61 a	61 a	98 a	96 a
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	PRE		61 a	59 a	60 a	102 a	100 a
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	VEPOST		61 a	55 a	58 a	99 a	94 a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	VEPOST		55 a	61 a	59 a	92 a	99 a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	VEPOST		57 a	59 a	58 a	92 a	93 a
Agri-Dex	100%	1% V/V		1%V/V	VEPOST						
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST		56 a	61 a	59 a	88 a	91 a
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	MPOST		56 a	58 a	56 a	90 a	94 a
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	MPOST		59 a	57 a	59 a	94 a	93 a
Agri-Dex	100%	1% V/V		1%V/V	MPOST						
10Nontreated							62 a	60 a	59 a	99 a	97 a
LSD (P=.05)							6.4	7.4	4.0	9.6	9.1
Standard Deviation							4.4	5.1	2.7	6.6	6.2
CV							7.52	8.61	4.64	6.94	6.53
Replicate F							3.321	0.699	4.739	2.650	0.531
Replicate Prob(F)							0.0346	0.5610	0.0088	0.0690	0.6651
Treatment F							1.299	0.967	1.253	1.935	1.100
Treatment Prob(F)							0.2827	0.4877	0.3063	0.0894	0.3953

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Trial ID:C14-33	Location:RRS-Crowley, LA
Protocol ID:C14-33	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/19/2014	6/19/2014	6/19/2014	5/1/2014	5/6/2014
Rating Type							HEIGHT	HEIGHT	AVG HT	INJURY	INJURY
Rating Unit							cm	cm	cm	%	%
Number of Subsamples							1	1	1	1	1
SE Group No.							51	52	53	55	54
Trt-Eval Interval							23 DAT	23 DAT	23 DAT	2 DAVP	8 DAVP
ARM Action Codes									T5		
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			
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	PRE	95a	99a	99a	13de	3e	
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	PRE	96a	95a	96a	21cd	6e	
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	PRE	97a	103a	100a	34bc	15d	
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	VEPOST	98a	100a	98a	51b	24c	
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	VEPOST	95a	97a	96a	74a	41b	
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	VEPOST	90a	91a	91a	88a	63a	
Agri-Dex	100%	1%	V/V	1%V/V	VEPOST						
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST	93a	97a	92a	0e	0e	
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	MPOST	91a	92a	92a	3e	3e	
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	MPOST	92a	89a	92a	0e	0e	
Agri-Dex	100%	1%	V/V	1%V/V	MPOST						
10Nontreated							98a	100a	99a	0e	0e
LSD (P=.05)							10.1	9.9	8.1	17.7	6.9
Standard Deviation							7.0	6.8	5.6	12.2	4.7
CV							7.38	7.1	5.85	43.06	30.5
Replicate F							0.865	1.582	1.509	1.063	1.624
Replicate Prob(F)							0.4715	0.2166	0.2346	0.3809	0.2070
Treatment F							0.662	1.786	1.443	28.629	81.988
Treatment Prob(F)							0.7348	0.1177	0.2196	0.0001	0.0000

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Pest Code							RICE	RICE	RICE	RICE	RICE		
Rating Date							6/19/2014	8/12/2014	8/12/2014	8/12/2014	8/12/2014		
Rating Type							INJURY	HEIGHT	HEIGHT	AVG HT	WEIGHT		
Rating Unit							%	cm	cm	cm	g		
Number of Subsamples							1	1	1	1	1		
SE Group No.							56	57	77	78	79		
Trt-Eval Interval							23 DAT	HARVEST	HARVEST	HARVEST	HARVEST		
ARM Action Codes										T1			
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	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	0a	121a	118a	119a	3112a
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	1a	122a	126a	124a	3045a
3	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	3a	124a	124a	124a	3160a
4	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	1a	127a	126a	126a	3567a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	3a	121a	119a	120a	3395a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
6	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	6a	122a	121a	121a	3170a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	3a	120a	119a	120a	3400a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	4a	122a	122a	122a	3588a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
9	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	3a	120a	122a	121a	3222a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
10	Nontreated								0a	120a	123a	122a	3250a
LSD (P=.05)								5.7	6.3	6.6	5.2	507.1	
Standard Deviation								3.9	4.4	4.5	3.6	349.5	
CV								173.72	3.59	3.73	2.95	10.62	
Replicate F								2.455	0.590	0.639	0.410	1.015	
Replicate Prob(F)								0.0848	0.6270	0.5966	0.7472	0.4014	
Treatment F								0.891	0.853	1.448	1.410	1.158	
Treatment Prob(F)								0.5459	0.5759	0.2176	0.2326	0.3599	

LSU AgCenter SPESS

Clearfield Hybrid 'CLXL 725' Tolerance to Sharpen

Trial ID: C14-33 Location: RRS-Crowley, LA
 Protocol ID: C14-33 Investigator: Eric P. Webster

Pest Code									RICE	RICE	RICE
Rating Date									8/12/2014	8/12/2014	8/12/2014
Rating Type									MOISTURE	YIELD	YIELD
Rating Unit									%	LB/A	KG/HA
Number of Subsamples									1	1	1
SE Group No.									80	81	82
Trt-Eval Interval									HARVEST	HARVEST	HARVEST
ARM Action Codes										TY2	TY6
Number of Decimals									0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage				
1 Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	19a	7690a	8619a	
2 Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	19a	7528a	8437a	
3 Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	19a	7820a	8765a	
4 Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	19a	8827a	9894a	
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
5 Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	19a	8395a	9409a	
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
6 Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	19a	7844a	8792a	
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
7 Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	19a	8413a	9430a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
8 Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	19a	8881a	9954a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
9 Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	19a	7975a	8939a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
10 Nontreated								19a	8043a	9015a	
LSD (P=.05)								0.0	1260.1	1412.4	
Standard Deviation								0.0	868.5	973.4	
CV								0.0	10.67	10.67	
Replicate F								0.000	1.059	1.059	
Replicate Prob(F)								1.0000	0.3830	0.3830	
Treatment F								0.000	1.158	1.158	
Treatment Prob(F)								1.0000	0.3595	0.3595	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Experiment number	C14-34			
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	CL 261			
Planting date	04/01/14			
Emergence date	04/15/14			
Harvest date	08/14/15			
Uniform std. treatment	RiceStar 24 oz at EPOST			
Application type	PRE	VEPOST	Overspray	MPOST
Date applied [mm/dd/yy]	4/2/14	4/28/14	5/7/14	5/26/14
Time [hh:mm-hh:mm]	9:20-9:30A	12:20-12:30P	1:00-1:15P	11:45-12:10P
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	69/63	81/75	84/76	85/86
Relative humidity [%]	88	77	50	52
Wind [mph, direction]	5-8/SE	5-8/SW	8-10/S	5-8/S
Weather [sunny, etc]	cloudy	cloudy	cloudy	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	dry/dry	flood/dry
Crop stage/Height	N/A	1-2lf/2-6"	2-4lf/2-4"	1-2tiller/4-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/23	15/23	15/23
Applied by	BMM	JCF	EPW	EAB
Flush Dates	04/17, 05/01, 05/08, 05/15, 05/22			
Permanent Flood	05/28			

*AMFF – Air mix flat fan nozzles

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Pest Code	RICE						RICE
Rating Date	5/1/2014	5/1/2014	5/1/2014	5/6/2014	5/6/2014	5/6/2014	
Rating Type	HEIGHT	HEIGHT	AVG HT	STAND	STAND	AVG STAND	
Rating Unit	cm	cm	cm	#	#	#	
Trt-Eval Interval	4 DAVP	4 DAVP	4 DAVP	8 DAVP	8 DAVP	8 DAVP	
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	
1Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	PRE	16a	
2Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	PRE	12bc	
3Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	PRE	13bc	
4Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	VEPOST	12bc	
Agri-Dex	100%	1% V/V		1%V/V	VEPOST	12a	
5Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	VEPOST	12bc	
Agri-Dex	100%	1% V/V		1%V/V	VEPOST	11a	
6Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	VEPOST	10 c	
Agri-Dex	100%	1% V/V		1%V/V	VEPOST	13a	
7Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST		
Agri-Dex	100%	1% V/V		1%V/V	MPOST	14a	
8Sharpen	2.85LBA/GAL	.0223LB	AI/A	1.0OZ/A	MPOST		
Agri-Dex	100%	1% V/V		1%V/V	MPOST	14a	
9Sharpen	2.85LBA/GAL	.0445LB	AI/A	2.0OZ/A	MPOST		
Agri-Dex	100%	1% V/V		1%V/V	MPOST	15a	
10Nontreated							
						14ab	
						15a	
						15a	
						13a	
						13a	
						1563a	
LSD (P=.05)						2.7	
Standard Deviation						3.6	
CV						2.7	
						4.1	
						2.8	
						2.9	
						21.86	
						14.71	
Replicate F						1.869	
Replicate Prob(F)						0.261	
Treatment F						0.743	
Treatment Prob(F)						4.016	
						5.162	
						1.521	
						0.1711	
						0.8524	
						0.5403	
						0.0174	
						0.0060	
						0.2317	
						3.531	
						1.377	
						2.304	
						0.652	
						1.331	
						1.680	
						0.0173	
						0.2765	
						0.0794	
						0.7433	
						0.2674	
						0.1433	

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							5/6/2014	5/6/2014	5/6/2014	5/6/2014	5/6/2014	6/16/2014
Rating Type							HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT
Rating Unit							cm	cm	cm	cm	cm	cm
Trt-Eval Interval							8 DAVP	8 DAVP	8 DAVP	8 DAVP	8 DAVP	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	Stage				
1	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	18ab	17abc	16a	17a
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	18abc	16bcd	15a	16a
3	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	17a-d	16bcd	17a	14a
4	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	15cd	16cd	15a	15a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	14d	14d	14a	14a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
6	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	16bcd	15cd	16a	16a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST				
7	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	18ab	19ab	17a	16a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	16bcd	17abc	18a	17a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
9	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	17a-d	17abc	17a	18a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST				
10	Nontreated								19a	19a	17a	17a
LSD (P=.05)							3.1	2.7	2.9	3.0	2.0	7.3
Standard Deviation							2.1	1.9	2.0	2.1	1.4	5.0
CV							12.94	11.35	12.36	12.92	8.45	8.14
Replicate F							1.478	1.234	0.788	3.144	2.702	0.186
Replicate Prob(F)							0.2428	0.3167	0.5113	0.0414	0.0653	0.9051
Treatment F							2.338	2.707	1.634	1.456	3.264	0.670
Treatment Prob(F)							0.0426	0.0218	0.1554	0.2144	0.0082	0.7284

LSU AgCenter SPSS

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Trial ID:C14-34	Location:RRS-Crowley, LA
Protocol ID:C14-34	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/16/2014	6/16/2014	6/16/2014	6/16/2014	6/19/2014
Rating Type							HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT
Rating Unit							cm	cm	cm	cm	cm
Trt-Eval Interval							20 DAT	20 DAT	20 DAT	20 DAT	23 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	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	PRE	64a	61a	60a
2	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	PRE	65a	62a	59a
3	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	PRE	64a	61a	60a
4	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	VEPOST	62a	63a	62a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST			
5	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	VEPOST	59a	63a	58a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST			
6	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	VEPOST	60a	63a	64a
	Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST			
7	Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.5	OZ/A	MPOST	64a	62a	59a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST			
8	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.0	OZ/A	MPOST	64a	60a	63a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST			
9	Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.0	OZ/A	MPOST	58a	61a	62a
	Agri-Dex	100%		1%	V/V	1%	V/V	MPOST			
10	Nontreated							65a	66a	67a	65a
LSD (P=.05)								7.7	7.1	8.5	4.3
Standard Deviation								5.3	4.9	5.9	3.0
CV								8.49	7.87	9.57	4.82
Replicate F								1.180	2.366	1.146	2.154
Replicate Prob(F)								0.3358	0.0931	0.3485	0.1167
Treatment F								0.926	0.405	0.912	0.980
Treatment Prob(F)								0.5183	0.9216	0.5296	0.4779

LSU AgCenter SPSS

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Trial ID:C14-34	Location:RRS-Crowley, LA
Protocol ID:C14-34	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE	
Rating Date							6/19/2014	6/19/2014	6/19/2014	6/19/2014	5/1/2014	
Rating Type							HEIGHT	HEIGHT	HEIGHT	AVG HT	INJURY	
Rating Unit							cm	cm	cm	cm	%	
Trt-Eval Interval							23 DAT	23 DAT	23 DAT	23 DAT	4 DAVP	
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					
1Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.50	Z/A	PRE	82a	83a	83a	82a	43b
2Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.00	OZ/A	PRE	78a	79a	81a	79a	29bc
3Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.00	OZ/A	PRE	79a	79a	79a	79a	59ab
4Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.50	OZ/A	VEPOST	71a	77a	75a	74a	78a
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
5Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.00	OZ/A	VEPOST	83a	78a	79a	79a	77a
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
6Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.00	OZ/A	VEPOST	76a	74a	74a	75a	88a
Agri-Dex	100%		1%	V/V	1%	V/V	VEPOST					
7Sharpen	2.85	LBA/GAL	0.0111	LB AI/A	0.50	OZ/A	MPOST	79a	75a	75a	76a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
8Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1.00	OZ/A	MPOST	78a	79a	76a	77a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
9Sharpen	2.85	LBA/GAL	.0445	LB AI/A	2.00	OZ/A	MPOST	78a	76a	72a	75a	
Agri-Dex	100%		1%	V/V	1%	V/V	MPOST					
10Nontreated							79a	79a	78a	79a	0c	
LSD (P=.05)							9.7	9.9	8.2	5.9	34.4	
Standard Deviation							6.7	6.8	5.7	4.1	23.2	
CV							8.59	8.77	7.38	5.24	43.63	
Replicate F							1.499	1.700	3.206	5.174	0.444	
Replicate Prob(F)							0.2372	0.1907	0.0389	0.0059	0.7247	
Treatment F							1.013	0.557	1.425	1.697	7.326	
Treatment Prob(F)							0.4545	0.8195	0.2266	0.1384	0.0000	

LSU AgCenter SPESS

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Trial ID: C14-34 Location: RRS-Crowley, LA
 Protocol ID: C14-34 Investigator: Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/6/2014	6/19/2014	8/12/2014	8/12/2014	8/12/2014
Rating Type						INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
Rating Unit						%	%	cm	cm	cm
Trt-Eval Interval						14 DAVP	23 DAT	HARVEST	HARVEST	HARVEST
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 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	PRE	5 de	5 a	94 a	98 a	96 a	
2 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	PRE	13 d	3 a	95 a	100 a	97 a	
3 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	PRE	11 d	0 a	96 a	92 a	94 a	
4 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	VEPOST	26 c	1 a	101 a	99 a	100 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST						
5 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	VEPOST	45 b	0 a	95 a	95 a	95 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST						
6 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	VEPOST	63 a	3 a	93 a	98 a	95 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST						
7 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	MPOST		1 a	97 a	99 a	98 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST						
8 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	MPOST		3 a	100 a	99 a	99 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST						
9 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	MPOST		0 a	89 a	95 a	92 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST						
10 Nontreated					0 e	0 a	94 a	96 a	95 a	
LSD (P=.05)					10.0	3.4	9.8	10.1	8.4	
Standard Deviation					6.7	2.4	6.7	6.9	5.8	
CV					28.94	158.44	7.08	7.15	6.01	
Replicate F					0.923	0.590	2.281	1.326	1.690	
Replicate Prob(F)					0.4497	0.6268	0.1020	0.2866	0.1926	
Treatment F					46.609	1.918	0.960	0.482	0.676	
Treatment Prob(F)					0.0001	0.0922	0.4929	0.8736	0.7229	

LSU AgCenter SPESS

Clearfield Medium Grain 'CL 261' Tolerance to Sharpen

Trial ID: C14-34 Location: RRS-Crowley, LA
 Protocol ID: C14-34 Investigator: Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE
Rating Date						8/12/2014	8/12/2014	8/12/2014	8/12/2014
Rating Type						WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit						g	%	LB/A	KG/ha
Trt-Eval Interval						HARVEST	HARVEST	HARVEST	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					
1 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	PRE	2705 a	20 a	6522 a	7310 a	
2 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	PRE	3072 a	20 a	7424 a	8321 a	
3 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	PRE	2929 a	20 a	7077 a	7932 a	
4 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	VEPOST	3176 a	20 a	7672 a	8599 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST					
5 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	VEPOST	2862 a	20 a	6914 a	7749 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST					
6 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	VEPOST	2666 a	20 a	6442 a	7221 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	VEPOST					
7 Sharpen	2.85 LBA/GAL	0.0111 LB AI/A	0.5 OZ/A	MPOST	3006 a	20 a	7262 a	8140 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST					
8 Sharpen	2.85 LBA/GAL	.0223 LB AI/A	1.0 OZ/A	MPOST	3017 a	20 a	7292 a	8173 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST					
9 Sharpen	2.85 LBA/GAL	.0445 LB AI/A	2.0 OZ/A	MPOST	2210 a	20 a	5342 a	5988 a	
Agri-Dex	100 %	1 % V/V	1 % V/V	MPOST					
10 Nontreated					3032 a	20 a	7323 a	8208 a	
LSD (P=.05)					630.0	0.1	1522.8	1706.9	
Standard Deviation					434.2	0.1	1049.5	1176.4	
CV					15.14	0.48	15.15	15.15	
Replicate F					1.504	102.667	1.583	1.583	
Replicate Prob(F)					0.2361	0.0001	0.2166	0.2166	
Treatment F					1.670	1.000	1.670	1.670	
Treatment Prob(F)					0.1456	0.4635	0.1456	0.1456	

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Evaluation of Command Applied EPOST

Experiment number: **C14-36**
 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: CL 151
 Planting date: 4/1/14
 Emergence date: 4/17/14
 Harvest date: 8/13/14
 Uniform std. treatment: N/A

Application type: EPOST
 Date applied [mm/dd/yy]: 4/30/14
 Time [hh:mm-hh:mm]: 8:25-9:10a
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 65/60
 Relative humidity [%]: 40
 Wind [mph, direction]: 5-8,NNW
 Weather [sunny, etc]: sunny
 Soil/Leaf surface moist: dry/dry
 Crop stage/Height: 2-3lf
 Sprayer type/MPH: CO₂BkPk/3
 Nozzle type/Size*: AMFF/110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/22
 Applied by: EPW

Weed Species (population): (height/#leaves)
 BRAPP(300-400m⁻²): 0.5-3"/1-4lf
 ECHCG(75-100m⁻²): 0.5-2"/1-3lf
 CYPES(2-5m⁻²): 3-9"/3-9lf

Flush Dates: 4/17, 5/1, 5/8, 5/15, 5/22,
 Permanent Flood: 5/29/14

CYPES – Light weed pressure across the experimental area.

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date						5/15/2014	6/2/2014	6/18/2014	5/15/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						15 DAT	33 DAT	49 DAT	15 DAT	33 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						
1Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	79 f-i	85 ab	80 cde	79 b-f	86 bcd	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Halomax	75%AW/W	0.047LB AI/A	1 OZ/A	EPOST						
2Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	90 ab	93 a	83 bcd	91 ab	97 a	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST						
3Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	85 b-e	95 a	88 abc	89 abc	96 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST						
4Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	93 a	95 a	98 a	93 ab	96 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST						
5Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	76 hij	85 ab	79 cde	80 b-e	92 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST						
6Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	73 j	86 a	71 ef	79 b-f	80 cde	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Strada Pro			2.08FL OZ/A	EPOST						
7Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	80 e-h	60 def	63 fg	70 ef	78 def	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Londax	10%AW/W	.00625LB AI/A	1 OZ/A	EPOST						
8Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	74 ij	74 bc	64 fg	71 def	50 i	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
No herbicide										
9Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	83 d-g	85 ab	60 gh	86 a-d	89 abc	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Halomax	75%AW/W	0.047LB AI/A	1 OZ/A	EPOST						
10Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	85 b-e	89 a	81 cde	88 abc	93 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST						
11Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	84 c-f	90 a	92 ab	88 abc	93 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST						
12Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	93 a	96 a	98 a	96 a	96 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST						
13Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	88 a-d	92 a	80 cde	91 ab	93 ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST						
14Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	89 abc	90 a	75 de	88 abc	90 abc	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Strada Pro			2.08FL OZ/A	EPOST						

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
 Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date						5/15/2014	6/2/2014	6/18/2014	5/15/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						15 DAT	33 DAT	49 DAT	15 DAT	33 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						
15Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	76hij	64c-f	76de	84a-e	74efg	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Londax	10%AW/W	.00625LB AI/A	1OZ/A	EPOST						
16Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	78g-j	73c	54ghi	84a-e	74efg	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
No herbicide										
17No Herbicide					53k	68cde	48i	65f	75d-g	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Halomax	75%AW/W	0.047LB AI/A	1OZ/A	EPOST						
18No Herbicide					78g-j	55f	50hi	81a-e	63h	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST						
19No Herbicide					73j	56ef	49i	75c-f	59hi	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST						
20No Herbicide					93a	94a	95a	95a	93ab	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST						
21No Herbicide					80e-h	70cd	79cde	83a-e	80cde	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST						
22No Herbicide					89abc	38g	51hi	75c-f	65gh	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Strada Pro			2.08FL OZ/A	EPOST						
23No Herbicide					86bcd	64c-f	63fg	85a-d	68fgh	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
Londax	10%AW/W	.00625LB AI/A	1OZ/A	EPOST						
24No Herbicide					0l	0h	0j	0g	0j	
Agri-Dex	100%	1% V/V	1% V/V	EPOST						
No herbicide										
LSD (P=.05)					6.0	11.6	10.4	14.8	10.8	
Standard Deviation					4.2	8.2	7.3	10.5	7.7	
CV					5.4	11.0	10.49	13.11	9.78	
Replicate F					6.196	0.576	2.433	1.007	0.719	
Replicate Prob(F)					0.0009	0.6326	0.0723	0.3952	0.5439	
Treatment F					80.099	29.802	35.011	12.884	31.434	
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code						ECHCG	CYPES	CYPES	CYPES	RICE
Rating Date						6/18/2014	5/15/2014	6/2/2014	6/18/2014	5/15/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit						%	%	%	%	%
Trt-Eval Interval						49 DAT	15 DAT	33 DAT	49 DAT	15 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						
1Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	90 a-d	91 ab	94 ab	96 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Halomax	75%AW/W	0.047LB	AI/A	1 OZ/A	EPOST					
2Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	91 abc	93 ab	97 a	97 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ/A	EPOST					
3Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	93 ab	90 ab	83 bc	98 ab	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Aim	2LBA/GAL	0.0156LB	AI/A	1.0FL OZ/A	EPOST					
4Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	98 a	73 cd	61 e	89 bc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Facet L	1.5LBA/GAL	0.5LB	AI/A	42.7FL OZ/A	EPOST					
5Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	92 abc	83 a-d	97 a	97 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Grasp Xtra	1.75LBA/GAL	0.314LB	AI/A	23FL OZ/A	EPOST					
6Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	83 cde	78 bcd	98 a	98 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Strada Pro				2.08FL OZ/A	EPOST					
7Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	79 e	81 a-d	95 ab	96 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Londax	10%AW/W	.00625LB	AI/A	1 OZ/A	EPOST					
8Command	3LBA/GAL	.3LB	AI/A	12.8FL OZ/A	EPOST	84 b-e	88 abc	78 cd	96 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
No herbicide										
9Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	80 de	93 a	97 a	98 a	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Halomax	75%AW/W	0.047LB	AI/A	1 OZ/A	EPOST					
10Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	92 abc	85 abc	97 a	96 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ/A	EPOST					
11Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	92 abc	79 a-d	79 cd	92 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Aim	2LBA/GAL	0.0156LB	AI/A	1.0FL OZ/A	EPOST					
12Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	98 a	78 bcd	70 de	92 abc	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Facet L	1.5LBA/GAL	0.5LB	AI/A	42.7FL OZ/A	EPOST					
13Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	90 abc	84 a-d	98 a	98 ab	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Grasp Xtra	1.75LBA/GAL	0.314LB	AI/A	23FL OZ/A	EPOST					
14Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	86 b-e	86 abc	97 a	98 a	0 a
Agri-Dex	100%	1%	V/V	1%	V/V					
Strada Pro				2.08FL OZ/A	EPOST					

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code	ECHCG	CYPES	CYPES	CYPES	RICE
Rating Date	6/18/2014	5/15/2014	6/2/2014	6/18/2014	5/15/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	%	%	%	%	%
Trt-Eval Interval	49 DAT	15 DAT	33 DAT	49 DAT	15 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		
15Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	83cde
Agri-Dex	100%	1% V/V	1% V/V	EPOST	85abc
Londax	10%AW/W	.00625LB AI/A	1OZ/A	EPOST	91ab
16Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST	0a
No herbicide					
17No Herbicide					84b-e
Agri-Dex	100%	1% V/V	1% V/V	EPOST	94a
Halomax	75%AW/W	0.047LB AI/A	1OZ/A	EPOST	88abc
18No Herbicide					98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST	0a
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST	
19No Herbicide					80de
Agri-Dex	100%	1% V/V	1% V/V	EPOST	90ab
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST	97a
20No Herbicide					97abc
Agri-Dex	100%	1% V/V	1% V/V	EPOST	0a
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST	
21No Herbicide					69f
Agri-Dex	100%	1% V/V	1% V/V	EPOST	86abc
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST	95ab
22No Herbicide					97abc
Agri-Dex	100%	1% V/V	1% V/V	EPOST	0a
Strada Pro			2.08FL OZ/A	EPOST	
23No Herbicide					64f
Agri-Dex	100%	1% V/V	1% V/V	EPOST	69d
Londax	10%AW/W	.00625LB AI/A	1OZ/A	EPOST	70de
24No Herbicide					98a
Agri-Dex	100%	1% V/V	1% V/V	EPOST	0a
No herbicide					
LSD (P=.05)	9.9	15.1	11.6	9.4	0.0
Standard Deviation	7.0	10.7	8.2	6.6	0.0
CV	8.75	13.15	9.61	7.21	0.0
Replicate F	6.320	0.622	2.354	2.674	0.000
Replicate Prob(F)	0.0008	0.6031	0.0796	0.0540	1.0000
Treatment F	34.864	11.982	26.644	35.733	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						6/2/2014	6/18/2014	8/13/2014	8/13/2014	8/13/2014
Rating Type						INJURY	INJURY	AVG HT	MOISTURE	YIELD
Rating Unit						%	%	cm	%	LB/A
Trt-Eval Interval						33 DAT	49 DAT	HARVEST	HARVEST	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					
1Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	98a	18a	5556i-1
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Halomax	75%AW/W	0.047LB	AI/A	1OZ/A	EPOST					
2Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	98a	18a	7678abc
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ/A	EPOST					
3Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	100a	18a	6092f-k
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Aim	2LBA/GAL	0.0156LB	AI/A	1.0FL	OZ/A EPOST					
4Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	99a	18a	8115a
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Facet L	1.5LBA/GAL	0.5LB	AI/A	42.7FL	OZ/A EPOST					
5Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	93a	18a	5879g-1
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Grasp Xtra	1.75LBA/GAL	0.314LB	AI/A	23FL	OZ/A EPOST					
6Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	99a	18a	7549a-d
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Strada Pro				2.08FL	OZ/A EPOST					
7Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	94a	18a	6844b-g
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Londax	10%AW/W	.00625LB	AI/A	1OZ/A	EPOST					
8Command	3LBA/GAL	.3LB	AI/A	12.8FL	OZ/A EPOST	0a	0a	96a	18a	6086f-k
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
No herbicide										
9Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	95a	18a	7784ab
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Halomax	75%AW/W	0.047LB	AI/A	1OZ/A	EPOST					
10Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	99a	18a	7291a-e
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ/A	EPOST					
11Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	97a	18a	7158a-e
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Aim	2LBA/GAL	0.0156LB	AI/A	1.0FL	OZ/A EPOST					
12Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	99a	18a	7835ab
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Facet L	1.5LBA/GAL	0.5LB	AI/A	42.7FL	OZ/A EPOST					
13Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	99a	18a	6447e-i
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Grasp Xtra	1.75LBA/GAL	0.314LB	AI/A	23FL	OZ/A EPOST					
14Command	3LBA/GAL	.6LB	AI/A	25.6FL	OZ/A EPOST	0a	0a	95a	18a	6607d-h
Agri-Dex	100%	1%	V/V	1%	V/V EPOST					
Strada Pro				2.08FL	OZ/A EPOST					

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/2/2014	6/18/2014	8/13/2014	8/13/2014	8/13/2014
Rating Type							INJURY	INJURY	AVG HT	MOISTURE	YIELD
Rating Unit							%	%	cm	%	LB/A
Trt-Eval Interval							33 DAT	49 DAT	HARVEST	HARVEST	HARVEST
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							
15Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	0a	0a	97a	18a	5618h-l	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Londax	10%AW/W	.00625LB	AI/A	1OZ/A	EPOST						
16Command	3LBA/GAL	.6LB	AI/A	25.6FL OZ/A	EPOST	0a	0a	94a	18a	7583a-d	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
No herbicide											
17No Herbicide						0a	0a	95a	18a	4946l	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Halomax	75%AW/W	0.047LB	AI/A	1OZ/A	EPOST						
18No Herbicide						0a	0a	96a	18a	6092f-k	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Permit Plus	75%AW/W	0.035LB	AI/A	.75OZ/A	EPOST						
19No Herbicide						0a	0a	95a	18a	5266kl	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Aim	2LBA/GAL	0.0156LB	AI/A	1.0FL OZ/A	EPOST						
20No Herbicide						0a	0a	97a	18a	7007b-f	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Facet L	1.5LBA/GAL	0.5LB	AI/A	42.7FL OZ/A	EPOST						
21No Herbicide						0a	0a	94a	18a	6051f-k	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Grasp Xtra	1.75LBA/GAL	0.314LB	AI/A	23FL OZ/A	EPOST						
22No Herbicide						0a	0a	96a	18a	6777c-g	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Strada Pro				2.08FL OZ/A	EPOST						
23No Herbicide						0a	0a	97a	18a	5442jkl	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
Londax	10%AW/W	.00625LB	AI/A	1OZ/A	EPOST						
24No Herbicide						0a	0a	92a	18a	6357e-j	
Agri-Dex	100%	1%	V/V	1%	V/V	EPOST					
No herbicide											
LSD (P=.05)						0.0	0.0	6.4	0.0	998.7	
Standard Deviation						0.0	0.0	4.5	0.0	706.2	
CV						0.0	0.0	4.7	0.0	10.72	
Replicate F						0.000	0.000	15.627	0.000	0.574	
Replicate Prob(F)						1.0000	1.0000	0.0001	1.0000	0.6339	
Treatment F						0.000	0.000	0.875	0.000	6.588	
Treatment Prob(F)						1.0000	1.0000	0.6287	1.0000	0.0001	

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code							RICE
Rating Date							8/13/2014
Rating Type							YIELD
Rating Unit							KG/HA
Trt-Eval Interval							HARVEST
Number of Decimals							0
Trt Treatment	Form Form	Rate	Other Other	Growth			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			
1 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	6227 i-l		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Halomax	75%AW/W	0.047LB AI/A	1 OZ/A	EPOST			
2 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	8606 abc		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST			
3 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	6828 f-k		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST			
4 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	9095 a		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST			
5 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	6589 g-l		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST			
6 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	8462 a-d		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Strada Pro			2.08FL OZ/A	EPOST			
7 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	7671 b-g		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Londax	10%AW/W	.00625LB AI/A	1 OZ/A	EPOST			
8 Command	3LBA/GAL	.3LB AI/A	12.8FL OZ/A	EPOST	6821 f-k		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
No herbicide							
9 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	8725 ab		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Halomax	75%AW/W	0.047LB AI/A	1 OZ/A	EPOST			
10 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	8172 a-e		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A	EPOST			
11 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	8023 a-e		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL OZ/A	EPOST			
12 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	8782 ab		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL OZ/A	EPOST			
13 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	7227 e-i		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL OZ/A	EPOST			
14 Command	3LBA/GAL	.6LB AI/A	25.6FL OZ/A	EPOST	7405 d-h		
Agri-Dex	100%	1% V/V	1% V/V	EPOST			
Strada Pro			2.08FL OZ/A	EPOST			

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C14-36 Location:RRS-Crowley, LA
Protocol ID:C14-36 Investigator:Eric P. Webster

Pest Code	RICE					
Rating Date	8/13/2014					
Rating Type	YIELD					
Rating Unit	KG/HA					
Trt-Eval Interval	HARVEST					
Number of Decimals	0					
Trt Treatment	Form Form	Rate	Other	Other	Growth	
No. Name	Conc Unit	Rate Unit	Rate	Rate Unit	Stage	
15Command	3LBA/GAL	.6LB AI/A	25.6FL	OZ/A	EPOST	6297h-l
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Londax	10%AW/W	.00625LB AI/A	1OZ/A		EPOST	
16Command	3LBA/GAL	.6LB AI/A	25.6FL	OZ/A	EPOST	8500a-d
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
No herbicide						
17No Herbicide						5544l
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Halomax	75%AW/W	0.047LB AI/A	1OZ/A		EPOST	
18No Herbicide						6828f-k
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Permit Plus	75%AW/W	0.035LB AI/A	.75OZ/A		EPOST	
19No Herbicide						5902kl
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Aim	2LBA/GAL	0.0156LB AI/A	1.0FL	OZ/A	EPOST	
20No Herbicide						7854b-f
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Facet L	1.5LBA/GAL	0.5LB AI/A	42.7FL	OZ/A	EPOST	
21No Herbicide						6782f-k
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Grasp Xtra	1.75LBA/GAL	0.314LB AI/A	23FL	OZ/A	EPOST	
22No Herbicide						7596c-g
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Strada Pro			2.08FL	OZ/A	EPOST	
23No Herbicide						6100jkl
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
Londax	10%AW/W	.00625LB AI/A	1OZ/A		EPOST	
24No Herbicide						7125e-j
Agri-Dex	100%	1% V/V	1%	V/V	EPOST	
No herbicide						
LSD (P=.05)	1119.4					
Standard Deviation	791.5					
CV	10.72					
Replicate F	0.574					
Replicate Prob(F)	0.6338					
Treatment F	6.588					
Treatment Prob(F)	0.0001					

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen with RiceShot Interactions

Experiment number: **C14-37**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:30-3:40P	1:00-1:10P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	79/68
Relative humidity [%]	73	50
Wind [mph, direction]	5-8/S	7-9/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	JCF	BMM

Weed Species (population)	----- (height/#leaves) -----
CNPPA(10-20m ⁻²)	0.5-3"/cot-5lf
SEBEX(10-20m ⁻²)	0.5-3"/cot-6lf
CYPES(10-20m ⁻²)	2-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPSS

Sharpen with RiceShot Interactions

Trial ID:C14-37	Location:RRS-Crowley, LA
Protocol ID:C14-37	Investigator:Eric P. Webster

Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	86ab	75abc	94ab	96a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				80abc
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				98a
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	94a	83a	95ab	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				88ab
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				98a
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	88ab	65bcd	89ab	95a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				68c
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91a	80a	98a	96a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				85ab
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				98a
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	94a	83a	94ab	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				85ab
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				98a
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	92a	63cd	87b	97a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				68c
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	88ab	70abc	94ab	97a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				83ab
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				98a
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	90a	78ab	96ab	96a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				88ab
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				98a
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	84ab	55d	90ab	95a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				75bc
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	76b	83a	96ab	96a
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				85ab
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	40c	80a	96ab	98a
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				91a
12	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0d	0e	0c	0b
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				0d
												0a
LSD (P=.05)							11.9	12.6	10.6	3.6	13.3	0.0
Standard Deviation							8.2	8.7	7.3	2.5	9.2	0.0
CV							10.72	12.86	8.55	2.81	12.38	0.0
Replicate F							0.711	1.639	3.595	0.852	2.310	0.000
Replicate Prob(F)							0.5524	0.1991	0.0237	0.4755	0.0944	1.0000
Treatment F							47.155	28.264	55.072	503.705	28.632	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPSS

Sharpen with RiceShot Interactions

Trial ID:C14-37	Location:RRS-Crowley, LA
Protocol ID:C14-37	Investigator:Eric P. Webster

Pest Code							ALRPH	ALRPH	ALRPH	SEBEX	SEBEX	SEBEX		
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%		
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	93 a	83 a	87bc	91ab	98 a	98 a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST						
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97 a	83 a	92 ab	96 a	98 a	98 a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST						
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91 a	80ab	88 abc	91ab	98 a	98 a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97 a	83 a	86bc	94ab	98 a	98 a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST						
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96 a	85 a	88 abc	98 a	98 a	98 a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST						
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97 a	83 a	96 a	97 a	98 a	98 a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	94 a	83 a	92 ab	98 a	98 a	98 a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST						
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	98 a	88 a	93 ab	98 a	98 a	98 a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST						
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	92 a	83 a	94 ab	87b	98 a	98 a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	90 a	70b	81 c	98 a	98 a	98 a
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST						
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	98 a	78 ab	94 ab	97 a	98 a	98 a
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST						
12	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0b	0c	0d	0c	0a	0a
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
LSD (P=.05)							9.0	10.8	7.8	8.6	0.0	0.0		
Standard Deviation							6.2	7.5	5.4	6.0	0.0	0.0		
CV							7.2	10.06	6.57	6.86	0.0	0.0		
Replicate F							0.211	0.247	4.985	3.190	0.000	0.000		
Replicate Prob(F)							0.8883	0.8631	0.0058	0.0363	1.0000	1.0000		
Treatment F							77.272	40.507	94.242	85.736	0.000	0.000		
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	1.0000		

LSU AgCenter SPSS

Sharpen with RiceShot Interactions

Trial ID:C14-37	Location:RRS-Crowley, LA
Protocol ID:C14-37	Investigator:Eric P. Webster

Pest Code							AESIN	AESIN	AESIN	CNPPA	CNPPA	CNPPA
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	92ab	98a	98a	
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97a	98a	98a	
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91ab	98a	98a	
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	92ab	98a	98a	
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97a	98a	98a	
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97a	98a	98a	
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	97a	98a	98a	
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	98a	98a	98a	
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	87b	98a	98a	
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	98a	98a	98a	
	Propanil	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	98a	98a	98a	
	Propanil	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
12	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0c	0a	0a	
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				
LSD (P=.05)							8.6	0.0	0.0	5.6	6.3	4.9
Standard Deviation							6.0	0.0	0.0	3.9	4.3	3.4
CV							6.87	0.0	0.0	4.46	4.99	3.91
Replicate F							4.056	0.000	0.000	3.600	1.086	0.914
Replicate Prob(F)							0.0147	1.0000	1.0000	0.0236	0.3684	0.4446
Treatment F							85.353	0.000	0.000	200.333	160.615	268.976
Treatment Prob(F)							0.0001	1.0000	1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen with RiceShot Interactions

Trial ID:C14-37 Location:RRS-Crowley, LA
Protocol ID:C14-37 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/14/2014	6/2/2014	6/19/2014	5/14/2014	8/14/2014
Rating Type						INJURY	INJURY	INJURY	AVG HT	AVG HT
Rating Unit						%	%	%	cm	cm
Trt-Eval Interval						8 DAT	27 DAT	44 DAT	8 DAT	HARVEST
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 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	4a	0a	4a	20a	104a
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST					
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
2 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	4a	0a	5a	23a	101a
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST					
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
3 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	3a	0a	1a	22a	102a
Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
4 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	6a	0a	1a	22a	95a
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST					
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
5 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	6a	0a	0a	22a	100a
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST					
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
6 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	3a	0a	0a	23a	102a
Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
7 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	9a	0a	0a	22a	101a
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST					
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
8 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	13a	0a	1a	23a	101a
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST					
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
9 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	5a	0a	0a	25a	99a
Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
10 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	6a	0a	1a	23a	97a
Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
11 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	3a	0a	0a	22a	100a
Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
12 Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE	0a	0a	0a	25a	99a
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
LSD (P=.05)						8.2	0.0	3.7	2.9	5.4
Standard Deviation						5.7	0.0	2.5	2.0	3.7
CV						111.76	0.0	221.73	8.96	3.74
Replicate F						1.276	0.000	4.169	0.547	11.482
Replicate Prob(F)						0.2988	1.0000	0.0131	0.6538	0.0001
Treatment F						1.322	0.000	1.665	1.817	1.450
Treatment Prob(F)						0.2565	1.0000	0.1261	0.0911	0.1977

LSU AgCenter SPESS

Sharpen with RiceShot Interactions

Trial ID:C14-37 Location:RRS-Crowley, LA
Protocol ID:C14-37 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE
Rating Date						8/14/2014	8/14/2014	8/14/2014
Rating Type						MOISTURE	YIELD	YIELD
Rating Unit						%	LB/A	KG/HA
Trt-Eval Interval						HARVEST	HARVEST	HARVEST
Number of Decimals						0	0	0
Trt Treatment Form Form		Rate	Other	Other	Growth			
No. Name	Conc Unit	Rate Unit	Rate	Rate	Unit Stage			
1Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6905 ab	7741 ab
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST			
Propanil	4LBA/GAL	2LB AI/A	2QT/A		MPOST			
2Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6066 bc	6800 bc
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST			
Propanil	4LBA/GAL	3LB AI/A	3QT/A		MPOST			
3Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6032 bc	6761 bc
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST			
Agri-Dex	100%	1% V/V	1% V/V		MPOST			
4Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6695 ab	7506 ab
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST			
Propanil	4LBA/GAL	2LB AI/A	2QT/A		MPOST			
5Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	7093 a	7951 a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST			
Propanil	4LBA/GAL	3LB AI/A	3QT/A		MPOST			
6Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6536 abc	7327 abc
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST			
Agri-Dex	100%	1% V/V	1% V/V		MPOST			
7Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6980 a	7824 a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST			
Propanil	4LBA/GAL	2LB AI/A	2QT/A		MPOST			
8Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6584 ab	7381 ab
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST			
Propanil	4LBA/GAL	3LB AI/A	3QT/A		MPOST			
9Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6268 abc	7027 abc
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST			
Agri-Dex	100%	1% V/V	1% V/V		MPOST			
10Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	6752 ab	7570 ab
Propanil	4LBA/GAL	2LB AI/A	2QT/A		MPOST			
11Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	7068 a	7923 a
Propanil	4LBA/GAL	3LB AI/A	3QT/A		MPOST			
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20 a	5648 c	6331 c
Agri-Dex	100%	1% V/V	1% V/V		MPOST			
LSD (P=.05)						0.0	896.4	1004.8
Standard Deviation						0.0	620.8	695.9
CV						0.0	9.47	9.47
Replicate F						0.000	9.218	9.218
Replicate Prob(F)						1.0000	0.0001	0.0001
Treatment F						0.000	2.201	2.201
Treatment Prob(F)						1.0000	0.0395	0.0395

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen with SuperWham Interactions

Experiment number: **C14-38**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:25-3:30P	1:12-1:25P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	79/68
Relative humidity [%]	73	50
Wind [mph, direction]	5-8/S	7-9/SW
Weather [sunny, etc]	pt. cloudy	pt. cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf/ 3-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	EPW	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(10-20m ⁻²)	0.5-3"/cot-6lf
AESIN(5-10m ⁻²)	0.5-3"/cot-6lf
CYPES(10-20m ⁻²)	2-10"/3-12lf
CYPIR(100-200m ⁻²)	0.5-1"/1-3lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen with SuperWham Interactions

Trial ID:C14-38 Location:RRS-Crowley, LA
Protocol ID:C14-38 Investigator:Eric P. Webster

Pest Code						CYPES	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date						5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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											
1Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					86a	75ab	98a	96a	75ab	98a	
Sharpen 2.85LBA/GAL .0111LB AI/A 0.5OZ/A MPOST											
SuperWham 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
2Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					81a	80a	98a	95ab	80a	98a	
Sharpen 2.85LBA/GAL .0111LB AI/A 0.5OZ/A MPOST											
SuperWham 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
3Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					73a	60c	70bc	89b	65bc	98a	
Sharpen 2.85LBA/GAL .0111LB AI/A 0.5OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
4Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					84a	75ab	64c	95ab	80a	98a	
Sharpen 2.85LBA/GAL .0167LB AI/A 0.75OZ/A MPOST											
SuperWham 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
5Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					85a	73ab	71bc	95ab	78a	98a	
Sharpen 2.85LBA/GAL .0167LB AI/A 0.75OZ/A MPOST											
SuperWham 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
6Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					73a	58c	50d	91ab	58c	98a	
Sharpen 2.85LBA/GAL .0167LB AI/A 0.75OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
7Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					76a	70b	98a	91ab	75ab	98a	
Sharpen 2.85LBA/GAL .0223LB AI/A 1OZ/A MPOST											
SuperWham 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
8Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					84a	75ab	80b	96a	75ab	98a	
Sharpen 2.85LBA/GAL .0223LB AI/A 1OZ/A MPOST											
SuperWham 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
9Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					73a	60c	77bc	95ab	63c	98a	
Sharpen 2.85LBA/GAL .0223LB AI/A 1OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
10Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					79a	73ab	98a	94ab	75ab	98a	
SuperWham 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
11Command 3LBA/GAL 0.3LB AI/A 12.8OZ/A PRE					83a	70b	98a	93ab	75ab	98a	
SuperWham 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											

LSU AgCenter SPESS

Sharpen with SuperWham Interactions

Trial ID:C14-38 Location:RRS-Crowley, LA
 Protocol ID:C14-38 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			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit Stage				
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE			
Agri-Dex	100%	1% V/V	1% v/v	MPOST			
LSD (P=.05)							
Standard Deviation							
CV							
Replicate F							
Replicate Prob(F)							
Treatment F							
Treatment Prob(F)							

Sharpen with SuperWham Interactions

Pest Code							ALRPH	ALRPH	ALRPH	SEBEX	SEBEX	SEBEX
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	85ab	75ab	45d	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	SuperWham	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	85ab	70abc	51d	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	SuperWham	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	74c	68bcd	49d	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	89ab	78a	78bc	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	SuperWham	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	88ab	68bcd	88a	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	SuperWham	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91a	65cd	74c	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	83abc	68bcd	86a	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	SuperWham	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91a	68bcd	84ab	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	SuperWham	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	83abc	70abc	86a	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	79bc	70abc	74c	98a
	SuperWham	4LBA/GAL		2LB	AI/A	2QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	89ab	60d	70c	98a
	SuperWham	4LBA/GAL		3LB	AI/A	3QT/A		MPOST				
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST				

LSU AgCenter SPESS

Sharpen with SuperWham Interactions

Trial ID:C14-38 Location:RRS-Crowley, LA
 Protocol ID:C14-38 Investigator:Eric P. Webster

Pest Code							
Rating Date	5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014	
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	%	%	%	%	%	%	
Trt-Eval Interval	9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 DAT	
Number of Decimals	0	0	0	0	0	0	
Trt Treatment Form Form							
No. Name	Conc Unit	Rate Unit	Other Rate Unit	Other Rate Unit	Growth		
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE			
Agri-Dex	100%	1% V/V	1% v/v	MPOST			
LSD (P=.05)	11.2	8.5	7.9	4.9	0.0	0.0	
Standard Deviation	7.8	5.9	5.4	3.4	0.0	0.0	
CV	9.95	9.36	8.34	3.84	0.0	0.0	
Replicate F	1.132	2.128	0.018	1.543	0.000	0.000	
Replicate Prob(F)	0.3502	0.1154	0.9968	0.2217	1.0000	1.0000	
Treatment F	41.830	47.539	87.852	269.777	0.000	0.000	
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	

Sharpen with SuperWham Interactions

Pest Code							AESIN	AESIN	AESIN	RICE	RICE	RICE
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/14/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	8 DAT	27 DAT	44 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	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	98a	98a	98a	5bc
	Sharpen	2.85	LBA/GAL	.011	1LB AI/A	0.5	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	2	LB AI/A	2	QT/A	MPOST				0b
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
2	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	95ab	98a	98a	5bc
	Sharpen	2.85	LBA/GAL	.011	1LB AI/A	0.5	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	3	LB AI/A	3	QT/A	MPOST				1ab
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
3	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	96ab	98a	98a	1c
	Sharpen	2.85	LBA/GAL	.011	1LB AI/A	0.5	OZ/A	MPOST				0a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				0b
4	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	95ab	98a	98a	5bc
	Sharpen	2.85	LBA/GAL	.016	7LB AI/A	0.75	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	2	LB AI/A	2	QT/A	MPOST				3a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
5	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	94ab	98a	96b	9ab
	Sharpen	2.85	LBA/GAL	.016	7LB AI/A	0.75	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	3	LB AI/A	3	QT/A	MPOST				0b
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
6	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	93ab	98a	98a	3c
	Sharpen	2.85	LBA/GAL	.016	7LB AI/A	0.75	OZ/A	MPOST				0a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				0b
7	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	90b	98a	98a	10ab
	Sharpen	2.85	LBA/GAL	.022	3LB AI/A	1	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	2	LB AI/A	2	QT/A	MPOST				0b
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
8	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	98a	98a	98a	11a
	Sharpen	2.85	LBA/GAL	.022	3LB AI/A	1	OZ/A	MPOST				0a
	SuperWham	4	LBA/GAL	3	LB AI/A	3	QT/A	MPOST				0b
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				
9	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	93ab	98a	98a	5bc
	Sharpen	2.85	LBA/GAL	.022	3LB AI/A	1	OZ/A	MPOST				0a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				0b
10	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	92ab	98a	98a	5bc
	SuperWham	4	LBA/GAL	2	LB AI/A	2	QT/A	MPOST				0a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				0b
11	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	92ab	98a	98a	10ab
	SuperWham	4	LBA/GAL	3	LB AI/A	3	QT/A	MPOST				0a
	Agri-Dex	100	%	1	% V/V	1	% v/v	MPOST				0b

LSU AgCenter SPESS

Sharpen with SuperWham Interactions

Trial ID:C14-38 Location:RRS-Crowley, LA
Protocol ID:C14-38 Investigator:Eric P. Webster

Pest Code							
Rating Date		AESIN	AESIN	AESIN	RICE	RICE	RICE
Rating Type		5/15/2014	6/2/2014	6/19/2014	5/14/2014	6/2/2014	6/19/2014
Rating Unit		CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Trt-Eval Interval		%	%	%	%	%	%
Number of Decimals		9 DAT	27 DAT	44 DAT	8 DAT	27 DAT	44 DAT
		0	0	0	0	0	0
Trt Treatment Form Form	Rate	Other	Other	Growth			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	0c	0a	0b
Agri-Dex	100%	1% V/V	1% v/v	MPOST			
LSD (P=.05)		7.0	0.0	1.7	5.8	0.0	1.5
Standard Deviation		4.8	0.0	1.2	4.0	0.0	1.1
CV		5.62	0.0	1.29	70.48	0.0	343.48
Replicate F		6.263	0.000	1.000	3.951	0.000	1.658
Replicate Prob(F)		0.0017	1.0000	0.4051	0.0164	1.0000	0.1951
Treatment F		126.476	0.000	2393.091	3.168	0.000	2.096
Treatment Prob(F)		0.0001	1.0000	0.0001	0.0050	1.0000	0.0497

LSU AgCenter SPESS

Sharpen with SuperWham Interactions

Trial ID:C14-38 Location:RRS-Crowley, LA
Protocol ID:C14-38 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type						AVG HT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit						cm	cm	%	LB/A	KG/HA
Trt-Eval Interval						8 DAT	HARVEST	HARVEST	HARVEST	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		
1	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST				
	SuperWham	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
2	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST				
	SuperWham	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
3	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
4	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST				
	SuperWham	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
5	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST				
	SuperWham	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
6	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
7	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST				
	SuperWham	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
8	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST				
	SuperWham	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
9	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
10	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	SuperWham	4LBA/GAL	2LB	AI/A	2QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			
11	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE				
	SuperWham	4LBA/GAL	3LB	AI/A	3QT/A	MPOST				
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST			

Sharpen with SuperWham Interactions

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type						AVG HT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit						cm	cm	%	LB/A	KG/HA
Trt-Eval Interval						8 DAT	HARVEST	HARVEST	HARVEST	HARVEST
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					
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	24a	103a	21a	6046a	6776a
Agri-Dex	100%	1% V/V		1% v/v	MPOST					
LSD (P=.05)						2.9	5.3	0.0	1116.6	1251.5
Standard Deviation						2.0	3.7	0.0	773.3	866.8
CV						8.73	3.56	0.0	10.99	10.99
Replicate F						4.295	0.222	0.000	2.099	2.099
Replicate Prob(F)						0.0115	0.8803	1.0000	0.1193	0.1193
Treatment F						1.394	0.667	0.000	1.687	1.687
Treatment Prob(F)						0.2216	0.7585	1.0000	0.1204	0.1204

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen with RiceBeaux Interactions

Experiment number: **C14-39**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/14	5/6/14
Time [hh:mm-hh:mm]	3:15-3:20P	2:05-2:25P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	79/69
Relative humidity [%]	73	50
Wind [mph, direction]	5-8/S	6-9/SW
Weather [sunny, etc]	pt. cloudy	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-4lf/4-10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	EPW	BMM

Weed Species (population)	----- (height/#leaves) -----
SEBEX(10-20m ⁻²)	0.5-3"/cot-6lf
AESIN(2-5m ⁻²)	0.5-2"/cot-4lf
CYPES(10-25m ⁻²)	2-8"/2-4lf
CYPIR(10-25m ⁻²)	2-8"/2-4lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

Sharpen with RiceBeaux Interactions

Trial ID:C14-39	Location:RRS-Crowley, LA
Protocol ID:C14-39	Investigator:Eric P. Webster

Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	70bc	78a	94ab	83abc
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				85a
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	78ab	80a	96a	83abc
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				83a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				98a
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	65c	58c	87ab	79bc
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST				60c
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	76abc	75ab	96a	89ab
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				75ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	75abc	78a	93ab	91a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				83a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				98a
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	70bc	70abc	84b	81abc
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST				78ab
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	73abc	75ab	98a	84abc
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				78ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	83a	78a	96a	89ab
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				80a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				98a
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	66bc	63bc	90ab	76c
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST				65bc
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				98a
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	78ab	78a	93ab	88ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				80a
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	83a	80a	98a	91a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				88a
12	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0d	0d	0c	0d
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				0a
LSD (P=.05)							11.3	12.8	11.6	10.9	13.8	0.0
Standard Deviation							7.8	8.8	8.0	7.5	9.5	0.0
CV							11.53	13.11	9.39	9.7	13.43	0.0
Replicate F							10.525	5.394	2.965	6.860	3.931	0.000
Replicate Prob(F)							0.0001	0.0039	0.0462	0.0010	0.0167	1.0000
Treatment F							31.895	25.606	46.182	43.698	24.756	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPSS

Sharpen with RiceBeaux Interactions

Trial ID:C14-39	Location:RRS-Crowley, LA
Protocol ID:C14-39	Investigator:Eric P. Webster

Pest Code							ALRPH	ALRPH	ALRPH	SEBEX	SEBEX	SEBEX		
Rating Date							5/15/2014	6/2/2014	6/19/2014	5/15/2014	6/2/2014	6/19/2014		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%		
Trt-Eval Interval							9 DAT	27 DAT	44 DAT	9 DAT	27 DAT	44 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	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	86ab	90a	92abc	92b	98a	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST						
2	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	86ab	85a	95ab	96ab	98a	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST						
3	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	89ab	75b	90bc	94ab	98a	98a
	Sharpen	2.85LBA/GAL		.0111LB	AI/A	0.5OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
4	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	95a	85a	87c	97ab	98a	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST						
5	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	96a	85a	96ab	98a	98a	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST						
6	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91ab	88a	96ab	97a	98a	98a
	Sharpen	2.85LBA/GAL		.0167LB	AI/A	0.75OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
7	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	95ab	85a	94abc	96ab	98a	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST						
8	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	94ab	88a	96ab	96ab	98a	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST						
9	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	90ab	85a	92abc	93ab	98a	98a
	Sharpen	2.85LBA/GAL		.0223LB	AI/A	1OZ/A		MPOST						
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
10	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	91ab	83ab	98a	95ab	98a	98a
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST						
11	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	83b	88a	90bc	95ab	98a	98a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST						
12	Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0c	0c	0d	0c	0a	0a
	Agri-Dex	100%		1% V/V		1% V/V		MPOST						
LSD (P=.05)							12.4	7.8	7.5	5.3	0.0	0.0		
Standard Deviation							8.6	5.4	5.2	3.7	0.0	0.0		
CV							10.37	6.92	6.07	4.19	0.0	0.0		
Replicate F							0.936	8.513	7.698	4.827	0.000	0.000		
Replicate Prob(F)							0.4345	0.0003	0.0005	0.0068	1.0000	1.0000		
Treatment F							37.789	84.809	109.423	227.004	0.000	0.000		
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	1.0000		

Sharpen with RiceBeaux Interactions

Pest Code	AESIN	AESIN	AESIN	RICE	RICE	RICE
Rating Date	5/15/2014	6/2/2014	6/19/2014	5/14/2014	6/2/2014	6/19/2014
Rating Type	CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	9 DAT	27 DAT	44 DAT	8 DAT	27 DAT	44 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	Unit Stage		
1Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	86b	98a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A	MPOST		98a
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A	MPOST	98a	15a
2Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	91ab	98a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A	MPOST		98a
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A	MPOST	98a	18a
3Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	89ab	98a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A	MPOST		98a
Agri-Dex	100%	1% V/V	1% V/V	MPOST	98a	1a
4Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	96a	98a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A	MPOST		98a
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A	MPOST	98a	10a
5Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	96a	98a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A	MPOST		98a
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A	MPOST	98a	9a
6Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	94ab	98a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A	MPOST		98a
Agri-Dex	100%	1% V/V	1% V/V	MPOST	98a	10a
7Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	98a	98a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A	MPOST		98a
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A	MPOST	98a	19a
8Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	95ab	98a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A	MPOST		98a
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A	MPOST	98a	21a
9Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	91ab	98a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A	MPOST		98a
Agri-Dex	100%	1% V/V	1% V/V	MPOST	98a	14a
10Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	95ab	98a
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A	MPOST		98a
11Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	94ab	98a
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A	MPOST		98a
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE	0c	0a
Agri-Dex	100%	1% V/V	1% V/V	MPOST	0a	0a
LSD (P=.05)	9.1	0.0	0.0	16.1	0.0	5.5
Standard Deviation	6.3	0.0	0.0	11.1	0.0	3.8
CV	7.39	0.0	0.0	88.35	0.0	165.92
Replicate F	2.403	0.000	0.000	3.511	0.000	4.852
Replicate Prob(F)	0.0852	1.0000	1.0000	0.0258	1.0000	0.0066
Treatment F	73.675	0.000	0.000	1.446	0.000	1.638
Treatment Prob(F)	0.0001	1.0000	1.0000	0.1993	1.0000	0.1333

LSU AgCenter SPESS

Sharpen with RiceBeaux Interactions

Trial ID:C14-39 Location:RRS-Crowley, LA
Protocol ID:C14-39 Investigator:Eric P. Webster

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/14/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type						AVG HT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit						cm	cm	%	LB	KG/HA
Trt-Eval Interval						8 DAT	HARVEST	HARVEST	HARVEST	HARVEST
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 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	20a	102a	23a	6320a	7085a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST					
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A		MPOST					
2 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	22a	95a	23a	6557a	7350a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST					
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A		MPOST					
3 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	99a	23a	7133a	7996a
Sharpen	2.85LBA/GAL	.0111LB AI/A	0.5OZ/A		MPOST					
Agri-Dex	100%	1% V/V	1% V/V		MPOST					
4 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	22a	99a	23a	7037a	7889a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST					
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A		MPOST					
5 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	24a	99a	23a	6402a	7176a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST					
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A		MPOST					
6 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	101a	23a	6855a	7684a
Sharpen	2.85LBA/GAL	.0167LB AI/A	0.75OZ/A		MPOST					
Agri-Dex	100%	1% V/V	1% V/V		MPOST					
7 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	101a	23a	7357a	8247a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST					
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A		MPOST					
8 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	98a	23a	6932a	7771a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST					
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A		MPOST					
9 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	21a	102a	23a	6640a	7443a
Sharpen	2.85LBA/GAL	.0223LB AI/A	1OZ/A		MPOST					
Agri-Dex	100%	1% V/V	1% V/V		MPOST					
10 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	100a	23a	6631a	7433a
RiceBeaux	6LB/GAL	3LB AI/A	2QT/A		MPOST					
11 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	23a	99a	23a	7021a	7871a
RiceBeaux	6LBA/GAL	4.5LB AI/A	3QT/A		MPOST					
12 Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A		PRE	24a	101a	23a	6312a	7075a
Agri-Dex	100%	1% V/V	1% V/V		MPOST					
LSD (P=.05)						2.5	6.2	0.0	1315.2	1474.4
Standard Deviation						1.7	4.3	0.0	910.9	1021.1
CV						7.71	4.31	0.0	13.46	13.46
Replicate F						4.136	6.679	0.000	4.980	4.980
Replicate Prob(F)						0.0136	0.0012	1.0000	0.0058	0.0058
Treatment F						1.261	0.809	0.000	0.559	0.559
Treatment Prob(F)						0.2889	0.6309	1.0000	0.8476	0.8476

LSU AgCenter

School of Plant, Environmental and Soil Sciences

GWN-10235 Application Timing in Water-Seeded Rice

Experiment number	C14-44			
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			
Planting date	4/8/14; replanted due to blackbird damage 4/17/2014			
Emergence date	4/25/2014			
Crop/Variety	CL 151			
Harvest date	8/11/2014			
Uniform std. treatment	N/A			
Application type	PRE	Seed. FL	POST seed. FL	Pegging
Date applied [mm/dd/yy]	4/3/14	4/8/14	4/10/14	4/24/14
Time [hh:mm-hh:mm]	1:40-1:45P	12:27-12:29P	9:25-9:26A	8:50-8:52A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	80/65	64/60	64/60	70/60
Relative humidity [%]	68	61	56	95
Wind [mph, direction]	8-12/SSE	7-12/SW	6-10/S	1-3/SE
Weather [sunny, etc]	pt. cloudy	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/N/A	wet/N/A	wet/wet
Crop stage/Height	N/A	N/A	N/A	Pegging
Sprayer type/MPH	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0	CO ₂ 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	15/23	15/23	15/23	15/23
Applied by	EPW	CF	CF	BM
Weed Species (population)	----- (height/#leaves) -----			
CYPES(5-8m ⁻²)	2-4"/2-4lf			
ECHCG(15-25m ⁻²)	1"/1lf			
BRAPP(15-25m ⁻²)	1"/1lf			
Flush Dates	0.5" rainfall- 4/3/14, 4/17/14, 4/25/14, 5/1/14, 5/8/14, 5/15/14, 5/22/14			
Permanent Flood	4/25/14			

*AMFF – Air mix flat fan nozzles

LSU AgCenter

School of Plant, Environmental and Soil Sciences

GWN-10235 Application Timing in Water-Seeded Rice

Experiment number: **C14-44**
 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
 Planting date: 4/8/14; replanted due to blackbird damage 4/17/2014
 Emergence date: 4/25/2014
 Crop/Variety: CL 151
 Harvest date: 8/11/2014
 Uniform std. treatment: N/A

Application type	POST FL	EPOST	LPOST
Date applied [mm/dd/yy]	5/1/14	5/13/14	5/26/14
Time [hh:mm-hh:mm]	10:30-10:45A	9:30-9:40A	11:25-11:30
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	64/65	78/75	85/86
Relative humidity [%]	42	91	53
Wind [mph, direction]	5-8/N	5-7/S	5-8/SSE
Weather [sunny, etc]	sunny	sunny	pt. cloudy
Soil/Leaf surface moist	flood/dry	flood/dry	wet/dry
Crop stage/Height	1-3lf/1-3"	4-5lf/5-7"	
Sprayer type/MPH	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0
Nozzle type/Size*	FF/110015	FF/110015	FF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/14	15/5/15
GPA/PSI	15/23	15/23	15/21
Applied by	BMM	BMM	BMM

Weed Species (population)	----- (height/#leaves) -----		
CYPES(5-8m ⁻²)	4-8"/3-9lf	6-10"/6-12lf	10-18"/9-12lf
ECHCG(15-25m ⁻²)	2-3"/1-2lf	3-5"/4-6lf	6-12"/6lf-1till
BRAPP(15-25m ⁻²)	2-3"/2-3lf	3-6"/4-6lf	6-10"/6lf-1till
HETLI(100-150m ⁻²)	0.25-0.5"/cot	0.5-1"/cot-spoon	2-4"/spoon

Flush Dates.....: 0.5" rainfall- 4/3/14, 4/17/14, 4/25/14, 5/1/14, 5/8/14, 5/15/14, 5/22/14
 Permanent Flood: 4/25/14

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

GWN-10235 Application Timing in Water-Seeded Rice

Trial ID:C14-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C14-44 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					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1Nontreated									0c	0d	0d
2GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PREPLANT			96ab	95ab	92a
3GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PRE SEED			94b	90ab	86a
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	PRE SEED					
4GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	POST SEE			97a	98a	93a
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	POST SEE					
5GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PEGGING			97a	98a	98a
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	PEGGING					
6GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	POST FL			96ab	80b	41b
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	POST FL					
7GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	EPOST			97a	85ab	45b
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	EPOST					
8GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	LPOST			94b	53c	21c
Agri-Dex	100%		1% V/V	19.2FL	OZ/A	LPOST					
LSD (P=.05)									2.3	16.4	14.6
Standard Deviation									1.6	11.1	9.9
CV									1.88	14.87	16.63
Replicate F									2.676	1.547	2.341
Replicate Prob(F)									0.0734	0.2320	0.1024
Treatment F									1859.919	36.661	57.786
Treatment Prob(F)									0.0001	0.0001	0.0001

LSU AgCenter SPSS

GWN-10235 Application Timing in Water-Seeded Rice

Trial ID:C14-44	Location:RRS-Crowley, LA
Protocol ID:C14-44	Investigator:Eric P. Webster

Pest Code	CYPES	CYPES	HETLI	HETLI	HETLI	HETLI
Rating Date	7/1/2014	7/15/2014	6/3/2014	6/19/2014	7/1/2014	7/15/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	36 DAT	50 DAT	8 DAT	24 DAT	36 DAT	50 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						
1Nontreated	0d	0b	0d	0d	0c	0b
2GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A PREPLANT	95ab	97a	30c	63bc	74b	93a
3GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A PRE SEED	94ab	97a	25c	53c	74b	98a
Agri-Dex 100% 1% V/V 19.2FL OZ/A PRE SEED						
4GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A POST SEE	94ab	97a	61b	81ab	85ab	99a
Agri-Dex 100% 1% V/V 19.2FL OZ/A POST SEE						
5GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A PEGGING	98a	97a	99a	94a	97a	99a
Agri-Dex 100% 1% V/V 19.2FL OZ/A PEGGING						
6GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A POST FL	86bc	97a	98a	98a	99a	99a
Agri-Dex 100% 1% V/V 19.2FL OZ/A POST FL						
7GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A EPOST	91ab	98a	96a	98a	99a	99a
Agri-Dex 100% 1% V/V 19.2FL OZ/A EPOST						
8GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A LPOST	79c	97a	53b	91a	99a	99a
Agri-Dex 100% 1% V/V 19.2FL OZ/A LPOST						
LSD (P=.05)	10.4	4.0	12.1	18.8	15.8	6.2
Standard Deviation	7.1	2.7	8.2	12.8	10.7	4.2
CV	8.89	3.23	14.3	17.7	13.73	4.91
Replicate F	2.095	0.743	0.641	0.874	0.619	1.422
Replicate Prob(F)	0.1314	0.5382	0.5971	0.4705	0.6104	0.2644
Treatment F	85.561	624.485	83.735	27.808	38.791	271.376
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

GWN-10235 Application Timing in Water-Seeded Rice

Trial ID:C14-44	Location:RRS-Crowley, LA
Protocol ID:C14-44	Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/3/2014	6/19/2014	7/1/2014	7/15/2014	8/4/2014
Rating Type							INJURY	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							8 DAT	24 DAT	36 DAT	50 DAT	HARVEST
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						0 a	0 a	0 a	92 a	
2	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	PREPLANT	0 a	0 a	0 a	87 a	
3	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	PRE SEED	0 a	0 a	0 a	95 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	PRE SEED					
4	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	POST SEE	0 a	0 a	0 a	89 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	POST SEE					
5	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	PEGGING	0 a	0 a	0 a	95 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	PEGGING					
6	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	POST FL	0 a	0 a	0 a	95 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	POST FL					
7	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	EPOST	0 a	0 a	0 a	95 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	EPOST					
8	GWN-10235	3.34LB/GAL	0.22LB AI/A	8.4FL	OZ/A	LPOST	0 a	0 a	0 a	95 a	
	Agri-Dex	100%	1% V/V	19.2FL	OZ/A	LPOST					
LSD (P=.05)							0.0	0.0	0.0	0.0	6.2
Standard Deviation							0.0	0.0	0.0	0.0	4.2
CV							0.0	0.0	0.0	0.0	4.53
Replicate F							0.000	0.000	0.000	0.000	5.484
Replicate Prob(F)							1.0000	1.0000	1.0000	1.0000	0.0061
Treatment F							0.000	0.000	0.000	0.000	2.214
Treatment Prob(F)							1.0000	1.0000	1.0000	1.0000	0.0750

LSU AgCenter SPESS

GWN-10235 Application Timing in Water-Seeded Rice

Trial ID:C14-44 Location:RRS-Crowley, LA
Protocol ID:C14-44 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								8/11/2014	8/11/2014	8/11/2014
Rating Type								MOISTURE	YIELD	YIELD
Rating Unit								%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage		
1	Nontreated							20a	7850a	8799a
2	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PREPLANT	20a	8906a	9982a
3	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PRE SEED	20a	8778a	9838a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	PRE SEED			
4	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	POST SEE	20a	9056a	10150a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	POST SEE			
5	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	PEGGING	20a	8840a	9909a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	PEGGING			
6	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	POST FL	20a	9496a	10643a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	POST FL			
7	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	EPOST	20a	8466a	9490a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	EPOST			
8	GWN-10235	3.34LB/GAL	0.22LB	AI/A	8.4FL	OZ/A	LPOST	20a	8254a	9252a
	Agri-Dex	100%	1%	V/V	19.2FL	OZ/A	LPOST			
LSD (P=.05)								0.0	1395.7	1564.4
Standard Deviation								0.0	949.0	1063.7
CV								0.0	10.9	10.9
Replicate F								0.000	6.121	6.121
Replicate Prob(F)								1.0000	0.0037	0.0037
Treatment F								0.000	1.144	1.144
Treatment Prob(F)								1.0000	0.3746	0.3746

LSU AgCenter

School of Plant, Environmental and Soil Sciences

GWN-10235 Rate Study

Experiment number	C14-46
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
Planting date	N/A
Harvest date	N/A
Crop/Variety	N/A
Emergence date	N/A
Uniform std. treatment	N/A
Application type	SPOON
Date applied [mm/dd/yy]	06/13/14
Time [hh:mm-hh:mm]	9:30-10:00A
Incorporation equip./Depth	N/A
Air/Soil temperature [F]	93/87
Relative humidity [%]	84%
Wind [mph, direction]	5-7/S
Weather [sunny, etc]	sunny
Soil/Leaf surface moist	flood/dry
Crop stage/Height	N/A
Sprayer type/MPH	CO ₂ BkPk/3.0
Nozzle type/Size*	AMFF110015
Boom ht/# Noz/Spacing	15/5/15
GPA/PSI	15/23
Applied by	BMM
Weed Species (population)	(height/#leaves)
HETLI(300-500m ⁻²)	1-3"/spoon
ECHCG(10-25m ⁻²)	10-12"/1-3tiller
CYPES(10-15m ⁻²)	10-15"/9-15lf
Flush Dates	0.5" rainfall - 4/3/14, 4/17/14, 4/25/14, 5/1/14, 5/8/14, 5/15/14, 5/22/14
Permanent Flood	4/25/14

*AMFF – Air mix flat fan nozzles

GWN-10235 Rate Study

Pest Code	ECHCG	ECHCG	ECHCG	CYPES	CYPES	CYPES
Rating Date	6/19/2014	7/1/2014	7/14/2014	6/19/2014	7/1/2014	7/14/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	6 DAT	18 DAT	31 DAT	6 DAT	18 DAT	31 DAT
Number of Decimals	0	0	0	0	0	0
Trt Treatment Form Form Rate Other Other						
No. Name Conc Unit Rate Unit Rate Rate Unit						
1Nontreated	0e	0d	0c	0f	0d	0f
2GWN-10235 3.34LB/GAL 0.0275LB AI/A 1.05FL OZ/A Agri-Dex 100% 1% V/V	0e	0d	0c	0f	0d	0f
3GWN-10235 3.34LB/GAL 0.055LB AI/A 2.1FL OZ/A Agri-Dex 100% 1% V/V	10d	0d	0c	10e	0d	0f
4GWN-10235 3.34LB/GAL 0.11LB AI/A 4.2FL OZ/A Agri-Dex 100% 1% V/V	10d	0d	0c	13e	0d	3ef
5GWN-10235 3.34LB/GAL 0.165LB AI/A 6.3FL OZ/A Agri-Dex 100% 1% V/V	13d	5d	3c	15de	15c	9de
6GWN-10235 3.34LB/GAL 0.22LB AI/A 8.4FL OZ/A Agri-Dex 100% 1% V/V	16cd	3d	5c	21cd	19c	14cd
7GWN-10235 3.34LB/GAL 0.44LB AI/A 16.9FL OZ/A Agri-Dex 100% 1% V/V	23c	13c	16b	28c	55ab	16c
8GWN-10235 3.34LB/GAL 0.66LB AI/A 25.3FL OZ/A Agri-Dex 100% 1% V/V	31b	25b	19b	43b	54b	30b
9GWN-10235 3.34LB/GAL 0.88LB AI/A 33.7FL OZ/A Agri-Dex 100% 1% V/V	40a	31b	31a	45ab	60ab	43a
10GWN-10235 3.34LB/GAL 1.1LB AI/A 42FL OZ/A Agri-Dex 100% 1% V/V	45a	48a	34a	53a	65a	46a
LSD (P=.05)	7.0	6.8	6.3	8.6	10.2	6.8
Standard Deviation	4.8	4.7	4.3	5.9	7.0	4.7
CV	25.86	37.83	40.33	26.24	26.24	29.22
Replicate F	0.744	0.789	1.640	1.105	1.404	2.059
Replicate Prob(F)	0.5352	0.5107	0.2034	0.3642	0.2631	0.1292
Treatment F	41.811	50.968	37.995	39.808	64.602	57.381
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 Rate Study

Trial ID:C14-46 Location:RRS-Crowley, LA
 Protocol ID:C14-46 Investigator:Eric P. Webster

Pest Code								HETLI	HETLI	HETLI
Rating Date								6/19/2014	7/1/2014	7/14/2014
Rating Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								6 DAT	18 DAT	31 DAT
Number of Decimals								0	0	0
Trt Treatment	Form	Form		Rate	Other	Other				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit			
1Nontreated								0g	0e	0e
2GWN-10235	3.34LB/GAL		0.0275LB	AI/A	1.05FL	OZ/A		0g	0e	0e
Agri-Dex	100%		1%	V/V						
3GWN-10235	3.34LB/GAL		0.055LB	AI/A	2.1FL	OZ/A		20f	15d	29d
Agri-Dex	100%		1%	V/V						
4GWN-10235	3.34LB/GAL		0.11LB	AI/A	4.2FL	OZ/A		43e	48c	54c
Agri-Dex	100%		1%	V/V						
5GWN-10235	3.34LB/GAL		0.165LB	AI/A	6.3FL	OZ/A		65d	66b	87b
Agri-Dex	100%		1%	V/V						
6GWN-10235	3.34LB/GAL		0.22LB	AI/A	8.4FL	OZ/A		76c	95a	97a
Agri-Dex	100%		1%	V/V						
7GWN-10235	3.34LB/GAL		0.44LB	AI/A	16.9FL	OZ/A		86b	99a	99a
Agri-Dex	100%		1%	V/V						
8GWN-10235	3.34LB/GAL		0.66LB	AI/A	25.3FL	OZ/A		93ab	99a	99a
Agri-Dex	100%		1%	V/V						
9GWN-10235	3.34LB/GAL		0.88LB	AI/A	33.7FL	OZ/A		91ab	99a	99a
Agri-Dex	100%		1%	V/V						
10GWN-10235	3.34LB/GAL		1.1LB	AI/A	42FL	OZ/A		95a	99a	99a
Agri-Dex	100%		1%	V/V						
LSD (P=.05)								6.9	7.9	8.9
Standard Deviation								4.7	5.4	6.1
CV								8.32	8.79	9.25
Replicate F								2.262	2.108	2.318
Replicate Prob(F)								0.1040	0.1226	0.0980
Treatment F								262.973	249.524	189.439
Treatment Prob(F)								0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen and Duet Interactions

Experiment number: **C14-49**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/14/14
 Uniform std. treatment: N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	4/3/13	5/5/14
Time [hh:mm-hh:mm]	3:10-3:15P	3:30-3:45P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/66	83/80
Relative humidity [%]	73	42
Wind [mph, direction]	5-8/S	5-9/SW
Weather [sunny, etc]	pt. cloudy	sunny
Soil/Leaf surface moist	dry/NA	wet/dry
Crop stage/Height	N/A	3-4lf/ 3- 10"
Sprayer type/MPH	CO ₂ BkPk/3	CO ₂ BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/23	15/23
Applied by	EAB	EPW

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-20m ⁻²)	cot-4lf
AESIN(2-5m ⁻²)	cot-3lf
CYPES(10-20m ⁻²)	2-8"/3-10lf
CYPIR(50-100m ⁻²)	0.5-1"/1-3lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

**Sharpen and Duet leaves residue at bottom of bottle

Sharpen with Duet Interactions

Pest Code							CYPES	CYPES	CYPIR	CYPIR	ALRPH	ALRPH		
Rating Date							5/15/2014	6/2/2014	5/15/2014	6/2/2014	5/15/2014	6/2/2014		
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit							%	%	%	%	%	%		
Trt-Eval Interval							10 DAT	28 DAT	10 DAT	28 DAT	10 DAT	28 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	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			83abc	83ab	93ab	90ab	90a	85ab
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST								
	Duet	4.031LBA/GAL	2.02LB	AI/A	2QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
2	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			86ab	83ab	95a	94a	94a	80b
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST								
	Duet	4.031LBA/GAL	3.02LB	AI/A	3QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
3	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			79bc	73cd	92ab	82bc	94a	78b
	Sharpen	2.85LBA/GAL	.0111LB	AI/A	0.5OZ/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
4	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			89a	85ab	97a	94a	94a	85ab
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST								
	Duet	4.031LBA/GAL	2.02LB	AI/A	2QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
5	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			85ab	88a	95a	92a	88a	90a
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST								
	Duet	4.031LBA/GAL	3.02LB	AI/A	3QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
6	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			84ab	78bc	93a	92a	86a	78b
	Sharpen	2.85LBA/GAL	.0167LB	AI/A	0.75OZ/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
7	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			89a	85ab	96a	94a	93a	90a
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST								
	Duet	4.031LBA/GAL	2.02LB	AI/A	2QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
8	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			88ab	90a	95a	92a	93a	85ab
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST								
	Duet	4.031LBA/GAL	3.02LB	AI/A	3QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
9	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			74c	65d	86b	75c	90a	80b
	Sharpen	2.85LBA/GAL	.0223LB	AI/A	1OZ/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
10	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			86ab	83ab	94a	92ab	85a	80b
	Duet	4.031LBA/GAL	2.02LB	AI/A	2QT/A	MPOST								
	Agri-Dex	100%	1%	V/V	1%	v/v	MPOST							
11	Command	3LBA/GAL	0.3LB	AI/A	12.8OZ/A	PRE			89a	88a	95a	94a	84a	90a

Sharpen with Duet Interactions

Trial ID:C14-49	Location:RRS-Crowley, LA
Protocol ID:C14-49	Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPIR	CYPIR	ALRPH	ALRPH
Rating Date								5/15/2014	6/2/2014	5/15/2014	6/2/2014	5/15/2014	6/2/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								10 DAT	28 DAT	10 DAT	28 DAT	10 DAT	28 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						
12Command	3LBA/GAL		0.3LB	AI/A	12.8OZ/A		PRE	0d	0e	0c	0d	0b	0c
Agri-Dex	100%		1%	V/V	1%	v/v	MPOST						
LSD (P=.05)								9.3	9.1	6.9	9.6	10.4	7.8
Standard Deviation								6.5	6.3	4.7	6.7	7.2	5.4
CV								8.34	8.4	5.52	8.1	8.77	7.06
Replicate F								8.037	1.038	1.490	6.873	1.130	3.224
Replicate Prob(F)								0.0004	0.3884	0.2354	0.0010	0.3512	0.0350
Treatment F								58.866	61.224	131.294	63.556	52.555	82.603
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen with Duet Interactions

Trial ID:C14-49 Location:RRS-Crowley, LA
Protocol ID:C14-49 Investigator:Eric P. Webster

Pest Code											
Rating Date											
Rating Type											
Rating Unit											
Trt-Eval Interval											
Number of Decimals											
Trt Treatment Form	Rate	Other	Other	Growth							
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0111 LB	AI/A	0.5 OZ/A	MPOST						
Duet	4.031 LBA/GAL	2.02 LB	AI/A	2 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
2 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0111 LB	AI/A	0.5 OZ/A	MPOST						
Duet	4.031 LBA/GAL	3.02 LB	AI/A	3 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
3 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0111 LB	AI/A	0.5 OZ/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
4 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0167 LB	AI/A	0.75 OZ/A	MPOST						
Duet	4.031 LBA/GAL	2.02 LB	AI/A	2 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
5 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0167 LB	AI/A	0.75 OZ/A	MPOST						
Duet	4.031 LBA/GAL	3.02 LB	AI/A	3 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
6 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0167 LB	AI/A	0.75 OZ/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
7 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0223 LB	AI/A	1 OZ/A	MPOST						
Duet	4.031 LBA/GAL	2.02 LB	AI/A	2 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
8 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0223 LB	AI/A	1 OZ/A	MPOST						
Duet	4.031 LBA/GAL	3.02 LB	AI/A	3 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
9 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Sharpen	2.85 LBA/GAL	.0223 LB	AI/A	1 OZ/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
10 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Duet	4.031 LBA/GAL	2.02 LB	AI/A	2 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						
11 Command	3 LBA/GAL	0.3 LB	AI/A	12.8 OZ/A	PRE						
Duet	4.031 LBA/GAL	3.02 LB	AI/A	3 QT/A	MPOST						
Agri-Dex	100 %	1 %	V/V	1 % v/v	MPOST						

Sharpen with Duet Interactions

Pest Code	SEBEX	SEBEX	AESIN	AESIN	RICE	RICE
Rating Date	5/15/2014	6/2/2014	5/15/2014	6/2/2014	5/15/2014	6/2/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	10 DAT	28 DAT	10 DAT	28 DAT	10 DAT	28 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	Unit Stage		
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE		
Agri-Dex	100%	1% V/V	1% v/v	MPOST		
LSD (P=.05)	5.0	1.7	6.6	0.0	7.6	0.0
Standard Deviation	3.4	1.2	4.6	0.0	5.3	0.0
CV	3.91	1.29	5.28	0.0	71.44	0.0
Replicate F	7.867	1.000	8.962	0.000	0.566	0.000
Replicate Prob(F)	0.0004	0.4051	0.0002	1.0000	0.6414	1.0000
Treatment F	261.763	2393.091	143.773	0.000	1.402	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	1.0000	0.2180	1.0000

Sharpen with Duet Interactions

Pest Code						RICE	RICE	RICE	RICE	RICE
Rating Date						5/15/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type						AVG HT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit						cm	cm	%	LB/A	KG/HA
Trt-Eval Interval						10 DAT	HARVEST	HARVEST	HARVEST	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		
1	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	23 a	102 a
	Sharpen	2.85	LBA/GAL	.0111	LB AI/A	0.5	OZ/A	MPOST	23 a	7568 a
	Duet	4.031	LBA/GAL	2.02	LB AI/A	2	QT/A	MPOST	23 a	8482 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
2	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	23 a	104 a
	Sharpen	2.85	LBA/GAL	.0111	LB AI/A	0.5	OZ/A	MPOST	23 a	7741 a
	Duet	4.031	LBA/GAL	3.02	LB AI/A	3	QT/A	MPOST	23 a	8677 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
3	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	22 a	101 a
	Sharpen	2.85	LBA/GAL	.0111	LB AI/A	0.5	OZ/A	MPOST	23 a	6610 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST	23 a	7409 a
4	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	22 a	102 a
	Sharpen	2.85	LBA/GAL	.0167	LB AI/A	0.75	OZ/A	MPOST	23 a	7389 a
	Duet	4.031	LBA/GAL	2.02	LB AI/A	2	QT/A	MPOST	23 a	8282 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
5	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	22 a	100 a
	Sharpen	2.85	LBA/GAL	.0167	LB AI/A	0.75	OZ/A	MPOST	23 a	7818 a
	Duet	4.031	LBA/GAL	3.02	LB AI/A	3	QT/A	MPOST	23 a	8762 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
6	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	21 a	100 a
	Sharpen	2.85	LBA/GAL	.0167	LB AI/A	0.75	OZ/A	MPOST	23 a	7893 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST	23 a	8847 a
7	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	20 a	102 a
	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	OZ/A	MPOST	23 a	7502 a
	Duet	4.031	LBA/GAL	2.02	LB AI/A	2	QT/A	MPOST	23 a	8409 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
8	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	21 a	101 a
	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	OZ/A	MPOST	23 a	7453 a
	Duet	4.031	LBA/GAL	3.02	LB AI/A	3	QT/A	MPOST	23 a	8354 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST		
9	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	22 a	101 a
	Sharpen	2.85	LBA/GAL	.0223	LB AI/A	1	OZ/A	MPOST	23 a	6755 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST	23 a	7571 a
10	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	23 a	103 a
	Duet	4.031	LBA/GAL	2.02	LB AI/A	2	QT/A	MPOST	23 a	7283 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST	23 a	8164 a
11	Command	3	LBA/GAL	0.3	LB AI/A	12.8	OZ/A	PRE	22 a	105 a
	Duet	4.031	LBA/GAL	3.02	LB AI/A	3	QT/A	MPOST	23 a	7909 a
	Agri-Dex	100%		1%	V/V	1%	v/v	MPOST	23 a	8864 a

Sharpen with Duet Interactions

Trial ID:C14-49 Location:RRS-Crowley, LA
Protocol ID:C14-49 Investigator:Eric P. Webster

Pest Code		RICE	RICE	RICE	RICE	RICE
Rating Date		5/15/2014	8/14/2014	8/14/2014	8/14/2014	8/14/2014
Rating Type		AVG HT	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit		cm	cm	%	LB/A	KG/HA
Trt-Eval Interval		10 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals		0	0	0	0	0
Trt Treatment Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Unit
12Command	3LBA/GAL	0.3LB AI/A	12.8OZ/A	PRE		
Agri-Dex	100%	1% V/V	1% v/v	MPOST		
LSD (P=.05)		2.4	7.5	0.0	999.5	1120.3
Standard Deviation		1.7	5.2	0.0	692.2	775.9
CV		7.71	5.12	0.0	9.36	9.36
Replicate F		1.422	0.859	0.000	4.041	4.041
Replicate Prob(F)		0.2540	0.4721	1.0000	0.0149	0.0149
Treatment F		0.961	0.402	0.000	1.647	1.647
Treatment Prob(F)		0.4986	0.9453	1.0000	0.1311	0.1311

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Aim/Obey Combinations in Conventional Rice

Experiment number	C14-59		
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	CL 151		
Planting date	04/01/14		
Emergence date	04/15/14		
Harvest date	08/14/14		
Uniform std. treatment	N/A		
Application type	PRE	1-2LF	4-5LF
Date applied [mm/dd/yy]	4/3/14	5/1/14	5/19/14
Time [hh:mm-hh:mm]	12:30-12:45P	10:20-10:25A	10:55-11:05A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	81/65	63/60	79/81
Relative humidity [%]	68	42	59
Wind [mph, direction]	8-12/S	5-8/N	6-9/SSE
Weather [sunny, etc]	pt. cloudy	sunny	sunny
Soil/Leaf surface moist	dry/dry	dry/dry	dry/dry
Crop stage/Height	N/A	1-2lf	4-5lf
Sprayer type/MPH	CO ₂ BkPk/3.0	CO ₂ BkPk/3.0	CO ₂ BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/23
Applied by	EPW	JCF	BMM
Weed Species (population)	----- (height/#leaves) -----		
SEBEX(3-8m ⁻²)	0.5-1"/cot-2lf	5-8"/5-12lf	
ECHCG(20-50m ⁻²)	0.25-0.5"/1-3lf	3-6"/3-6lf	
ALRPH(2-5m ⁻²)	1-6"/3-6lf	5-12"/6-15lf	
Flush Dates	04/17, 05/01, 05/08, 05/15, 05/22		
Permanent Flood	05/28		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Aim/Obey Combination Study in Conventional Rice

Trial ID: C14-59 Location: RRS-Crowley, LA
 Protocol ID: C14-59 Investigator: Eric P. Webster

Pest Code						SEBEX	SEBEX	ECHCG	ECHCG	ALRPH
Rating Date						6/18/2014	6/30/2014	6/18/2014	6/30/2014	6/18/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						28 DAT	40 DAT	28 DAT	40 DAT	28 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 Nontreated							0 a	0 a	0 a	0 b
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE				
2 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	94 a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 1-2 LEAF				
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 1-2 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 LEAF				
3 Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A PRE	98 a	98 a	98 a	94 a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A 1-2 LEAF				
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 1-2 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 LEAF				
4 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	96 a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 1-2 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 LEAF				
5 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	98 a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 4-5 LEAF				
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF				
6 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	98 a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A 4-5 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF				
7 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A PRE	98 a	98 a	98 a	98 a
Command	3LBA/GAL		.4LB	AI/A	17FL	OZ/A 4-5 LEAF				
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF				
8 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A PRE	98 a	98 a	98 a	98 a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A 4-5 LEAF				
9 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	98 a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A 4-5 LEAF				
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A 4-5 LEAF				
Agri-Dex	100%		1%	V/V	1%	V/V 4-5 LEAF				
10 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A PRE	98 a	98 a	98 a	98 a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A 4-5 LEAF				
RiceBeaux	3LB/GAL		2.25LB	AI/A	96FL	OZ/A 4-5 LEAF				
LSD (P=.05)							0.0	0.0	0.0	5.0
Standard Deviation							0.0	0.0	0.0	3.4
CV							0.0	0.0	0.0	3.93
Replicate F							0.000	0.000	0.000	1.022
Replicate Prob(F)							1.0000	1.0000	1.0000	0.3983
Treatment F							0.000	0.000	0.000	321.494
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001

LSU AgCenter SPESS

Aim/Obey Combination Study in Conventional Rice

Trial ID:C14-59 Location:RRS-Crowley, LA
Protocol ID:C14-59 Investigator:Eric P. Webster

Pest Code					ALRPH	RICE	RICE	RICE
Rating Date					6/30/2014	6/18/2014	6/30/2014	8/14/2014
Rating Type					CONTROL	INJURY	INJURY	MOISTURE
Rating Unit					%	%	%	%
Trt-Eval Interval					40 DAT	28 DAT	40 DAT	HARVEST
Number of Decimals					0	0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth		
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage	
1Nontreated								0a
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	0a
2Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF	3a
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF	0a
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF	23a
3Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	PRE	98a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	1-2 LEAF	1a
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF	0a
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF	23a
4Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF	1a
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF	0a
5Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF	3a
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF	0a
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF	23a
6Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF	1a
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF	0a
7Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE	98a
Command	3LBA/GAL		.4LB	AI/A	17FL	OZ/A	4-5 LEAF	1a
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF	0a
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF	23a
8Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE	98a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF	3a
9Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF	3a
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF	0a
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF	23a
10Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE	98a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF	1a
RiceBeaux	3LB/GAL		2.25LB	AI/A	96FL	OZ/A	4-5 LEAF	0a
LSD (P=.05)					0.0	3.3	0.0	0.0
Standard Deviation					0.0	2.3	0.0	0.0
CV					0.0	141.06	0.0	0.0
Replicate F					0.000	9.634	0.000	0.000
Replicate Prob(F)					1.0000	0.0002	1.0000	1.0000
Treatment F					0.000	0.542	0.000	0.000
Treatment Prob(F)					1.0000	0.8309	1.0000	1.0000

LSU AgCenter SPESS

Aim/Obey Combination Study in Conventional Rice

Trial ID: C14-59 Location: RRS-Crowley, LA
 Protocol ID: C14-59 Investigator: Eric P. Webster

Pest Code									RICE	RICE
Rating Date									8/14/2014	8/14/2014
Rating Type									YIELD	YIELD
Rating Unit									LB/A	KG/HA
Trt-Eval Interval									HARVEST	HARVEST
Number of Decimals									0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1 Nontreated									5389b	6040b
Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE			
2 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		6958a	7799a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF			
3 Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	PRE		7167a	8033a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	1-2 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF			
4 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		6837a	7663a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF			
5 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		6786a	7606a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF			
6 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		6687a	7495a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF			
7 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE		7309a	8193a
Command	3LBA/GAL		.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF			
8 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE		6714a	7525a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
9 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		7026a	7875a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF			
10 Command	3LBA/GAL		.3LB	AI/A	12.8FL	OZ/A	PRE		7426a	8323a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
RiceBeaux	3LB/GAL		2.25LB	AI/A	96FL	OZ/A	4-5 LEAF			
LSD (P=.05)									760.7	852.6
Standard Deviation									524.2	587.6
CV									7.68	7.68
Replicate F									5.895	5.895
Replicate Prob(F)									0.0031	0.0031
Treatment F									4.636	4.636
Treatment Prob(F)									0.0009	0.0009

LSU AgCenter

School of Plant, Environmental and Soil Sciences

League Programs with Command and Bolero in Drill-Seeded Rice

Experiment number: **C14-61**
 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
 Planting date: 4/17/2014
 Emergence date: 4/25/2014
 Crop/Variety: CL 151
 Harvest date: 8/11/2014
 Uniform std. treatment: N/A

Application type	PRE	DPRE	EPOST	MPOST
Date applied [mm/dd/yy]	4/2/14	4/18/14	5/1/14	5/19/14
Time [hh:mm-hh:mm]	10:20-10:25A	9:35-9:40A	10:35-10:40A	11:30-11:35A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	70/63	57/57	64/65	82/80
Relative humidity [%]	83	73	42	53
Wind [mph, direction]	5-8/SE	5-7/W	5-8/N	5-7/S
Weather [sunny, etc]	cloudy	pt. cloudy	sunny	pt. cloudy
Soil/Leaf surface moist	dry/dry	wet	dry/dry	dry/dry
Crop stage/Height	N/A	N/A	1-2lf/2-4"	4-5lf/5-7"
Sprayer type/MPH	CO ₂ BkPk/3.0	CO ₂ BkPk/3.0	CO ₂ BkPk/3.0	BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22	15/23
Applied by	BMM	EAB	JCF	EAB

Weed Species (population)	----- (height/#leaves) -----
SEBEX(5-8m ⁻²)	4-8"/4-8lf 6-10"/5-12lf
AESIN(1-5m ⁻²)	2-6"/3-6lf 6-10"/5-9lf
BRAPP(25-50m ⁻²)	2-4"/1-3lf 3-6"/2-6lf
ECHCG(50-100m ⁻²)	2-4"/1-3lf 3-6"/2-5lf

Flush Dates.....: 4/17, 5/1, 5/8, 5/15, 5/22
 Permanent Flood: 5/29/14

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League Programs with Command and Bolero in Drill-Seeded Rice

Trial ID:C14-61 Location:RRS-Crowley, LA
Protocol ID:C14-61 Investigator:Eric P. Webster

Pest Code						BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date						6/2/2014	6/18/2014	6/30/2014	6/2/2014	6/18/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						14 DAT	30 DAT	42 DAT	14 DAT	30 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	Nontreated							0b	0b	0b
2	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	Permit	75%	.047LB	AI/A	1OZ/A		EPOST			
	Stam M-4	4LB/GAL	3LB	AI/A	3QT/A		EPOST			
3	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
4	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
5	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98 a	98 a	98 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
6	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98 a	98 a	98 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
LSD (P=.05)								0.6	0.3	0.3
Standard Deviation								0.4	0.2	0.2
CV								0.52	0.25	0.25
Replicate F								1.563	1.000	0.000
Replicate Prob(F)								0.2398	0.4199	1.0000
Treatment F								35795.625	153508.200	0.000
Treatment Prob(F)								0.0001	0.0001	1.0000

LSU AgCenter SPESS

League Programs with Command and Bolero in Drill-Seeded Rice

Trial ID: C14-61 Location: RRS-Crowley, LA
 Protocol ID: C14-61 Investigator: Eric P. Webster
 Project ID: Study Director:

Pest Code						ECHCG	SEBEX	SEBEX	SEBEX	AESIN
Rating Date						6/30/2014	6/2/2014	6/18/2014	6/30/2014	6/2/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						42 DAT	14 DAT	30 DAT	42 DAT	14 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	Nontreated							0 a	0 b	0 b
2	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	Permit	75%	.047LB	AI/A	1OZ/A		EPOST			
	Stam M-4	4LB/GAL	3LB	AI/A	3QT/A		EPOST			
3	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
4	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98 a	98 a	98 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
5	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98 a	98 a	98 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
6	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98 a	98 a	98 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
LSD (P=.05)								0.0	0.8	0.5
Standard Deviation								0.0	0.5	0.3
CV								0.0	0.62	0.38
Replicate F								0.000	0.217	2.714
Replicate Prob(F)								1.0000	0.8828	0.0818
Treatment F								0.000	24900.913	65924.657
Treatment Prob(F)								1.0000	0.0001	0.0001

LSU AgCenter SPESS

League Programs with Command and Bolero in Drill-Seeded Rice

Trial ID:C14-61 Location:RRS-Crowley, LA
Protocol ID:C14-61 Investigator:Eric P. Webster

Pest Code							AESIN	AESIN	RICE	RICE	RICE	RICE
Rating Date							6/18/2014	6/30/2014	6/2/2014	6/18/2014	6/30/2014	8/13/2014
Rating Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	AVG HT
Rating Unit							%	%	%	%	%	cm
Trt-Eval Interval							30 DAT	42 DAT	14 DAT	30 DAT	42 DAT	HARVEST
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	Nontreated							0b	0c	0c	0a	100a
2	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	99a	9b	0a	103a
	Permit	75%	.047LB	AI/A	1OZ/A		EPOST					
	Stam M-4	4LB/GAL	3LB	AI/A	3QT/A		EPOST					
3	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	98b	14b	0a	99a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE					
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST					
	Dyne-A-Pak	100%	1%	V/V			MIDPOST					
4	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	99a	10b	0a	102a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE					
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST					
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST					
	Dyne-A-Pak	100%	1%	V/V			MIDPOST					
5	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98a	98b	25a	0a	103a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE					
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST					
	Dyne-A-Pak	100%	1%	V/V			MIDPOST					
6	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	98a	98b	10b	0a	101a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE					
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST					
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST					
	Dyne-A-Pak	100%	1%	V/V			MIDPOST					
LSD (P=.05)								0.4	0.4	7.9	0.0	6.3
Standard Deviation								0.3	0.3	5.3	0.0	4.2
CV								0.37	0.36	46.85	0.0	4.13
Replicate F								0.625	2.500	4.450	0.000	1.172
Replicate Prob(F)								0.6098	0.0991	0.0200	1.0000	0.3533
Treatment F								71883.750	72327.000	9.540	0.000	0.743
Treatment Prob(F)								0.0001	0.0001	0.0003	1.0000	0.6035

LSU AgCenter SPESS

League Programs with Command and Bolero in Drill-Seeded Rice

Trial ID:C14-61 Location:RRS-Crowley, LA
Protocol ID:C14-61 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								8/13/2014	8/13/2014	8/13/2014
Rating Type								MOISTURE	YIELD	YIELD
Rating Unit								%	LB	kg/ha
Trt-Eval Interval								HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	Nontreated							20 a	6839 a	7665 a
2	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	20 a	7870 a	8821 a
	Permit	75%	.047LB	AI/A	1OZ/A		EPOST			
	Stam M-4	4LB/GAL	3LB	AI/A	3QT/A		EPOST			
3	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	20 a	7896 a	8850 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
4	Command	3LB/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE	20 a	7555 a	8468 a
	League	75%	0.3LB	AI/A	6.4OZ/A		PRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
5	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	20 a	6774 a	7593 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
6	League	75%	0.3LB	AI/A	6.4OZ/A		PRE	20 a	7677 a	8604 a
	Bolero	8LB/GAL	6LB	AI/A	3QT/A		DPRE			
	Stam M-4	4LB/GAL	4LB	AI/A	4QT/A		EPOST			
	Regiment	80%	0.02LB	AI/A	0.4OZ/A		MIDPOST			
	Dyne-A-Pak	100%	1%	V/V			MIDPOST			
LSD (P=.05)								0.0	911.7	1021.9
Standard Deviation								0.0	605.0	678.1
CV								0.0	8.14	8.14
Replicate F								0.000	0.716	0.716
Replicate Prob(F)								1.0000	0.5578	0.5578
Treatment F								0.000	2.767	2.767
Treatment Prob(F)								1.0000	0.0577	0.0577

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Londax/Halomax Combination Evaluation

Experiment number: **C14-69**
 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: CL 151
 Planting date: 04/01/14
 Emergence date: 04/15/14
 Harvest date: 08/15/14
 Uniform std. treatment: N/A

Application type	PRE	EPOST
Date applied [mm/dd/yy]	4/10/14	4/29/14
Time [hh:mm-hh:mm]	9:30-9:40A	10:00-10:15A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	64/60	74/63
Relative humidity [%]	56	94
Wind [mph, direction]	6-10/S	2-4/SW
Weather [sunny, etc]	sunny	cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	1-3lf/1-3"
Sprayer type/MPH	CO ₂ BkPk/3.0	CO ₂ BkPk/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	EAB	EAB

Weed Species (population)	----- (height/#leaves) -----
SEBEX(3-5m ⁻²)	1-2"/1-2lf
AESIN(3-5m ⁻²)	1-2"/cot-1lf
CYPES(5-10m ⁻²)	3-6"/3-9lf
ALRPH(2-5m ⁻²)	2-4"/5-10lf

Flush Dates.....: 04/17, 05/01, 05/08, 05/15, 05/22
 Permanent Flood: 05/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID: C14-69 Location: RRS-Crowley, LA
 Protocol ID: C14-69 Investigator: Eric P. Webster

Pest Code									CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date									5/16/2014	6/2/2014	6/19/2014	5/16/2014	6/2/2014
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									17 DAT	34 DAT	51 DAT	17 DAT	34 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								0c	0c	0c	0c	0b
2	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		97b	98ab	92b	98a	98a
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST						
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
3	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98ab	98ab	93b	98ab	98a
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST						
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
4	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98a	97b	94ab	98a	98a
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST						
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
5	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98ab	98ab	96a	98ab	98a
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST						
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
6	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98a	98ab	92b	98a	98a
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST						
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
7	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98ab	98a	93b	98a	98a
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST						
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
8	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98ab	98a	92b	97b	98a
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST						
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
9	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98a	98a	94ab	98ab	98a
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST						
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						
10	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		98ab	98ab	92b	98ab	98a
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST						
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST						
	Agri-Dex	100%	1% V/V		1% V/V		EPOST						

Londax/Halomax Combination Evaluation

Trial ID:C14-69	Location:RRS-Crowley, LA
Protocol ID:C14-69	Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date								5/16/2014	6/2/2014	6/19/2014	5/16/2014	6/2/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								17 DAT	34 DAT	51 DAT	17 DAT	34 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				
11Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A		PRE				
Londax	60%		.0225LB	AI/A	0.6OZ/A			EPOST				
Halomax	75%AW/W		.0234LB	AI/A	0.5OZ/A			EPOST				
Facet	75%		.0188LB	AI/A	0.4OZ/A			EPOST				
LSD (P=.05)								0.8	0.6	2.9	0.8	0.6
Standard Deviation								0.6	0.4	2.0	0.5	0.4
CV								0.66	0.46	2.35	0.61	0.44
Replicate F								0.419	1.606	1.892	0.206	1.748
Replicate Prob(F)								0.7410	0.2088	0.1523	0.8913	0.1785
Treatment F								10098.040	21029.257	800.273	11833.948	22265.505
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID:C14-69 Location:RRS-Crowley, LA
Protocol ID:C14-69 Investigator:Eric P. Webster

Pest Code							CYPIR	ALRPB	ALRPB	ALRPB	CNPPA
Rating Date							6/19/2014	5/16/2014	6/2/2014	6/19/2014	5/16/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							51 DAT	17 DAT	34 DAT	51 DAT	17 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	Nontreated						0c	0e	0c	0d	0b
2	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	95ab	85a-d	93b	68bc	94a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
3	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	95ab	79cd	91b	60c	86a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
4	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	96ab	78d	92b	76ab	92a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
5	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	98a	86a-d	94ab	75ab	91a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
6	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	93b	91ab	98a	81ab	88a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
7	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	94b	80bcd	95ab	80ab	88a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
8	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	95ab	86a-d	97a	84a	91a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
9	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	95ab	90abc	98a	83a	93a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
10	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	93b	89a-d	93b	78ab	88a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID:C14-69	Location:RRS-Crowley, LA
Protocol ID:C14-69	Investigator:Eric P. Webster

Pest Code		CYPIR	ALRPH	ALRPH	ALRPH	CNPPA
Rating Date		6/19/2014	5/16/2014	6/2/2014	6/19/2014	5/16/2014
Rating Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%
Trt-Eval Interval		51 DAT	17 DAT	34 DAT	51 DAT	17 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		
11Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	95ab	94a
Londax	60%	.0225LB AI/A	0.6OZ/A	EPOST	94ab	78ab
Halomax	75%AW/W	.0234LB AI/A	0.5OZ/A	EPOST		89a
Facet	75%	.0188LB AI/A	0.4OZ/A	EPOST		
LSD (P=.05)		3.0	11.9	4.6	14.3	9.7
Standard Deviation		2.1	8.2	3.2	9.9	6.7
CV		2.42	10.52	3.71	14.31	8.2
Replicate F		1.420	0.121	0.891	0.392	5.436
Replicate Prob(F)		0.2564	0.9473	0.4570	0.7595	0.0042
Treatment F		753.008	41.401	321.956	23.453	65.955
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001

Londax/Halomax Combination Evaluation

Trial ID:C14-69	Location:RRS-Crowley, LA
Protocol ID:C14-69	Investigator:Eric P. Webster

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals							CNPPA 6/2/2014 CONTROL % 34 DAT 0	CNPPA 6/19/2014 CONTROL % 51 DAT 0	AESIN 5/16/2014 CONTROL % 17 DAT 0	AESIN 6/2/2014 CONTROL % 34 DAT 0	AESIN 6/19/2014 CONTROL % 51 DAT 0
Trt	Treatment	Form	Form	Rate	Other	Other	Growth				
No.	Name	Conc	Unit	Rate	Unit	Rate	Unit	Stage			
1	Non-treated							0b	0b	0c	0c
2	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	93a	97ab
	Londax	60%		.0225LB	AI/A	0.6OZ/A		EPOST			
	Halomax	75%AW/W		.0234LB	AI/A	0.5OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
3	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	96a	97ab
	Londax	60%		0.03LB	AI/A	0.8OZ/A		EPOST			
	Halomax	75%AW/W		.0234LB	AI/A	0.5OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
4	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	93a	98a
	Londax	60%		.0375LB	AI/A	1.0OZ/A		EPOST			
	Halomax	75%AW/W		.0234LB	AI/A	0.5OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
5	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	93a	97ab
	Londax	60%		.0225LB	AI/A	0.6OZ/A		EPOST			
	Halomax	75%AW/W		.0234LB	AI/A	0.5OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
6	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	94a	98a
	Londax	60%		0.03LB	AI/A	0.8OZ/A		EPOST			
	Halomax	75%AW/W		0.028LB	AI/A	0.6OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
7	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	94a	95ab
	Londax	60%		.0375LB	AI/A	1.0OZ/A		EPOST			
	Halomax	75%AW/W		0.028LB	AI/A	0.6OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
8	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	96a	93ab
	Londax	60%		.0225LB	AI/A	0.6OZ/A		EPOST			
	Halomax	75%AW/W		.0328LB	AI/A	0.7OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
9	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	94a	96ab
	Londax	60%		0.03LB	AI/A	0.8OZ/A		EPOST			
	Halomax	75%AW/W		.0328LB	AI/A	0.7OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			
10	Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE	98a	96a	94ab
	Londax	60%		.0375LB	AI/A	1.0OZ/A		EPOST			
	Halomax	75%AW/W		.0328LB	AI/A	0.7OZ/A		EPOST			
	Agri-Dex	100%		1% V/V		1% V/V		EPOST			

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID:C14-69	Location:RRS-Crowley, LA
Protocol ID:C14-69	Investigator:Eric P. Webster

Pest Code		CNPPA	CNPPA	AESIN	AESIN	AESIN
Rating Date		6/2/2014	6/19/2014	5/16/2014	6/2/2014	6/19/2014
Rating Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%
Trt-Eval Interval		34 DAT	51 DAT	17 DAT	34 DAT	51 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		
11Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE	98a	93a
Londax	60%	.0225LB AI/A	0.6OZ/A	EPOST	91b	98a
Halomax	75%AW/W	.0234LB AI/A	0.5OZ/A	EPOST		96ab
Facet	75%	.0188LB AI/A	0.4OZ/A	EPOST		
LSD (P=.05)		0.5	3.5	6.3	1.7	3.1
Standard Deviation		0.4	2.5	4.4	1.2	2.1
CV		0.4	2.87	5.05	1.34	2.45
Replicate F		4.882	1.050	2.793	2.066	1.022
Replicate Prob(F)		0.0070	0.3850	0.0574	0.1258	0.3967
Treatment F		26993.753	536.342	173.440	2438.150	732.854
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID:C14-69 Location:RRS-Crowley, LA
Protocol ID:C14-69 Investigator:Eric P. Webster

Pest Code							SEBEX	SEBEX	SEBEX	RICE	RICE
Rating Date							5/16/2014	6/2/2014	6/19/2014	5/16/2014	6/2/2014
Rating Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							17 DAT	34 DAT	51 DAT	17 DAT	34 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	Nontreated						0b	0b	0c	0a	0a
2	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	96a	98a	95ab	0a	0a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
3	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	97a	98a	94ab	0a	0a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
4	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	98a	98a	94ab	0a	0a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
5	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	97a	98a	93ab	0a	0a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
6	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	98a	98a	94ab	0a	0a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
7	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	95a	98a	92b	0a	0a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
8	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	96a	98a	92b	0a	0a
	Londax	60%	.0225LB	AI/A	0.6OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
9	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	97a	98a	96a	0a	0a
	Londax	60%	0.03LB	AI/A	0.8OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					
10	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A PRE	96a	98a	95ab	0a	0a
	Londax	60%	.0375LB	AI/A	1.0OZ/A	EPOST					
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A	EPOST					
	Agri-Dex	100%	1% V/V		1% V/V	EPOST					

Londax/Halomax Combination Evaluation

Trial ID:C14-69	Location:RRS-Crowley, LA
Protocol ID:C14-69	Investigator:Eric P. Webster

Pest Code		SEBEX	SEBEX	SEBEX	RICE	RICE
Rating Date		5/16/2014	6/2/2014	6/19/2014	5/16/2014	6/2/2014
Rating Type		CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit		%	%	%	%	%
Trt-Eval Interval		17 DAT	34 DAT	51 DAT	17 DAT	34 DAT
Number of Decimals		0	0	0	0	0
Trt Treatment	Form Form					
No. Name	Conc Unit	Rate Unit	Other Rate Unit	Other Rate Unit	Growth Stage	
11Command	3LBA/GAL	0.3LB AI/A	12.8FL OZ/A	PRE		
Londax	60%	.0225LB AI/A	0.6OZ/A	EPOST		
Halomax	75%AW/W	.0234LB AI/A	0.5OZ/A	EPOST		
Facet	75%	.0188LB AI/A	0.4OZ/A	EPOST		
LSD (P=.05)		3.4	0.6	4.0	0.0	0.0
Standard Deviation		2.4	0.4	2.7	0.0	0.0
CV		2.72	0.49	3.23	0.0	0.0
Replicate F		4.236	0.120	1.390	0.000	0.000
Replicate Prob(F)		0.0131	0.9476	0.2648	1.0000	1.0000
Treatment F		595.144	18355.752	423.094	0.000	0.000
Treatment Prob(F)		0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Londax/Halomax Combination Evaluation

Trial ID:C14-69 Location:RRS-Crowley, LA
Protocol ID:C14-69 Investigator:Eric P. Webster

Pest Code					RICE	RICE	RICE	RICE	RICE
Rating Date					6/19/2014	8/15/2014	8/15/2014	8/15/2014	8/15/2014
Rating Type					INJURY	AVG HT	MOISTURE	YIELD	YIELD
Rating Unit					%	cm	%	LB/A	Kg/HA
Trt-Eval Interval					51 DAT	HARVEST	HARVEST	HARVEST	HARVEST
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								
2	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST		
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
3	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST		
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
4	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST		
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
5	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST		
	Halomax	75%AW/W	.0234LB	AI/A	0.5OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
6	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST		
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
7	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST		
	Halomax	75%AW/W	0.028LB	AI/A	0.6OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
8	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0225LB	AI/A	0.6OZ/A		EPOST		
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
9	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	0.03LB	AI/A	0.8OZ/A		EPOST		
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		
10	Command	3LBA/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Londax	60%	.0375LB	AI/A	1.0OZ/A		EPOST		
	Halomax	75%AW/W	.0328LB	AI/A	0.7OZ/A		EPOST		
	Agri-Dex	100%	1% V/V		1% V/V		EPOST		

Londax/Halomax Combination Evaluation

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Evaluation of RebelEX with Newpath or Beyond Applied POST Flood

Experiment number: **C14-71**
 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: CL 111
 Planting date: 4/16/14
 Emergence date: 5/7/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type: POSTFLOOD
 Date applied [mm/dd/yy]: 06/16/14
 Time [hh:mm-hh:mm]: 11:10-11:30A
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 86/86
 Relative humidity [%]: 68%
 Wind [mph, direction]: 4-6/S
 Weather [sunny, etc]: sunny
 Soil/Leaf surface moist: flood/dry
 Crop stage/Height: Till/8-12"
 Sprayer type/MPH: BkPk/3.0
 Nozzle type/Size*: AMFF110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/23
 Applied by: BMM

Weed Species (population): (height/#leaves)
 ECHCG(25-50m⁻²): 12-20"/5lf-6till
 SEBEX(20-40m⁻²): 10-18"/9-12lf

Flush Dates: 4/17, 5/1, 5/8, 5/15, 5/22, 5/29
 Permanent Flood: 6/5

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of RebelEX with Newpath or Beyond Applied POST Flood

Trial ID:C14-71 Location:
Protocol ID:C14-71 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	ORYZA	ORYZA
Rating Date							7/1/2014	7/15/2014	7/28/2014	7/1/2014	7/15/2014
Rating Type							INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAT	30 DAT	43 DAT	15 DAT	30 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							
1Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL		0a	0a	0a	75a	96a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL						
2Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL		0a	0a	0a	70abc	90a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
Permit	75%	0.047LB	AI/A	1OZ/A	POST						
3Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL		0a	0a	0a	64bcd	80b
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
No Herbicide											
4Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL		0a	0a	0a	71ab	95a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL						
5Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL		0a	0a	0a	60cd	94a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
Permit	75%	0.047LB	AI/A	1OZ/A	POST						
6Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL		0a	0a	0a	55d	80b
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
No Herbicide											
7No Herbicide							0a	0a	0a	0e	0c
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL						
8No Herbicide							0a	0a	0a	0e	0c
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
Permit	75%	0.047LB	AI/A	1OZ/A	POST						
9No Herbicide							0a	0a	0a	0e	0c
Agri-Dex	100%	1QT/A		1qt/A	POSTFL						
No Herbicide											
LSD (P=.05)							0.0	0.0	0.0	10.5	7.7
Standard Deviation							0.0	0.0	0.0	7.2	5.3
CV							0.0	0.0	0.0	16.36	8.92
Replicate F							0.000	0.000	0.000	0.323	0.281
Replicate Prob(F)							1.0000	1.0000	1.0000	0.8085	0.8386
Treatment F							0.000	0.000	0.000	86.832	287.514
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of RebelEX with Newpath or Beyond Applied POST Flood

Trial ID:C14-71 Location:
Protocol ID:C14-71 Investigator:Eric P. Webster

Pest Code						ORYZA	SEBEX	SEBEX	SEBEX	ECHCG
Rating Date						7/28/2014	7/1/2014	7/15/2014	7/28/2014	7/1/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						43 DAT	15 DAT	30 DAT	43 DAT	15 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						
1Newpath	2LBA/GAL	0.063LB AI/A	4OZ/A	POSTFL	95a	78a	90b	86b	78a	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
RebelEx	2.03LBA/GAL		20OZ/A	POSTFL						
2Newpath	2LBA/GAL	0.063LB AI/A	4OZ/A	POSTFL	84b	78a	98a	98a	74a	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
Permit	75%	0.047LB AI/A	1OZ/A	POST						
3Newpath	2LBA/GAL	0.063LB AI/A	4OZ/A	POSTFL	83b	0b	0d	0c	53b	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
No Herbicide										
4Beyond	1LBA/GAL	0.039LB AI/A	5OZ/A	POSTFL	94a	80a	85c	81b	71a	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
RebelEx	2.03LBA/GAL		20OZ/A	POSTFL						
5Beyond	1LBA/GAL	0.039LB AI/A	5OZ/A	POSTFL	96a	80a	98a	98a	73a	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
Permit	75%	0.047LB AI/A	1OZ/A	POST						
6Beyond	1LBA/GAL	0.039LB AI/A	5OZ/A	POSTFL	83b	0b	0d	0c	50b	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
No Herbicide										
7No Herbicide					0c	80a	85c	85b	70a	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
RebelEx	2.03LBA/GAL		20OZ/A	POSTFL						
8No Herbicide					0c	79a	98a	98a	43b	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
Permit	75%	0.047LB AI/A	1OZ/A	POST						
9No Herbicide					0c	0b	0d	0c	0c	
Agri-Dex	100%	1QT/A	1qt/A	POSTFL						
No Herbicide										
LSD (P=.05)					6.3	4.0	4.0	6.4	11.6	
Standard Deviation					4.3	2.8	2.7	4.4	8.0	
CV					7.26	5.25	4.42	7.19	14.05	
Replicate F					0.345	1.545	1.000	0.535	1.140	
Replicate Prob(F)					0.7927	0.2285	0.4098	0.6628	0.3531	
Treatment F					432.263	816.636	1165.065	443.632	38.195	
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001	0.0001	

LSU AgCenter SPESS

Evaluation of RebelEX with Newpath or Beyond Applied POST Flood

Trial ID:C14-71 Location:
Protocol ID:C14-71 Investigator:Eric P. Webster

Pest Code						ECHCG	ECHCG	LEFPA	LEFPA
Rating Date						7/15/2014	7/28/2014	7/15/2014	7/28/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%
Trt-Eval Interval						30 DAT	43 DAT	30 DAT	43 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				
1Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL	85ab	97a	85a	92a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL				
2Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL	78bc	95a	74b	75b
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
Permit	75%	0.047LB	AI/A	1OZ/A	POST				
3Newpath	2LBA/GAL	0.063LB	AI/A	4OZ/A	POSTFL	80abc	55c	0d	0d
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
No Herbicide									
4Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL	89a	96a	92a	96a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL				
5Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL	78bc	95a	74b	96a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
Permit	75%	0.047LB	AI/A	1OZ/A	POST				
6Beyond	1LBA/GAL	0.039LB	AI/A	5OZ/A	POSTFL	63d	49c	0d	0d
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
No Herbicide									
7No Herbicide						86ab	95a	89a	97a
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
RebelEx	2.03LBA/GAL			20OZ/A	POSTFL				
8No Herbicide						74c	73b	40c	46c
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
Permit	75%	0.047LB	AI/A	1OZ/A	POST				
9No Herbicide						0e	0d	0d	0d
Agri-Dex	100%	1QT/A		1qt/A	POSTFL				
No Herbicide									
LSD (P=.05)						9.5	9.3	8.9	8.6
Standard Deviation						6.5	6.4	6.1	5.9
CV						9.29	8.77	12.15	10.59
Replicate F						1.282	0.440	2.271	2.188
Replicate Prob(F)						0.3030	0.7263	0.1061	0.1157
Treatment F						70.997	108.357	176.419	229.494
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen Residual Weed Control in Rice

Experiment number	SJ14-01		
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	21.9		
Crop/Variety	CL 151		
Planting date	5/27/14		
Emergence date	6/4/14		
Harvest date	N/A		
Uniform std. treatment	N/A		
Application type	PRE	EPOST	4-5LF
Date applied [mm/dd/yy]	5/27/14	6/17/14	6/23/14
Time [hh:mm-hh:mm]	8:30-9:00A	9:03-9:05A	8:35-8:40
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	75/74	78/80	76/75
Relative humidity [%]	79	84	88
Wind [mph, direction]	5-9/SE	5-7/S	2-5/SSE
Weather [sunny, etc]	Pt. Cloudy	Pt. Cloudy	Cloudy
Soil/Leaf surface moist	dry/NA	dry/dry	dry/dry
Crop stage/Height	N/A	1-3lf/2-4"	3-4LF/5-8"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22
Applied by	EAB	EPW	EPW
Weed Species (population)	(height/#leaves)		
CNPPA(6-8m ⁻²)	1-2"/cot-3lf	0.5-4"/1-5LF	
CYPES(10-15m ⁻²)	3-6"/3-6lf	3-8"/3-12LF	
CYPIR(5-10m ⁻²)	1-4"/3-6lf	1-3"/3-9LF	
ECHCG(35-50m ⁻²)	0.5-3"/1-3lf	1-4"/1-5LF	
Flush Dates	6/18/14		
Permanent Flood	7/8/14		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen Residual Weed Control in Rice

Trial ID: SJ14-01 Location: St. Joseph, LA
 Protocol ID: SJ14-01 Investigator: Eric P. Webster

Pest Code									RICE	RICE	RICE	ECHCG	ECHCG	ECHCG
Rating Date									7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type									INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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						
1	Nontreated								0a	0a	0a	0d	0a	0a
2	Sharpen	2.85LB/GAL	.0223LB	AI/A	1FL	OZ/A	PRE		0a	0a	0a	49b	0a	0a
3	Sharpen	2.85LB/GAL	.0445LB	AI/A	2FL	OZ/A	PRE		0a	0a	0a	39c	0a	0a
4	Sharpen	2.85LB/GAL	.067LB	AI/A	3FL	OZ/A	PRE		0a	0a	0a	60a	0a	0a
5	Sharpen	2.85LB/GAL	.0445LB	AI/A	2FL	OZ/A	PRE		0a	0a	0a	61a	0a	0a
	Sharpen	2.85LB/GAL	.0223LB	AI/A	1FL	OZ/A	4-5 LEAF							
	Agri-Dex	100%	1%	V/V			4-5 LEAF							
6	Sharpen	2.85LB/GAL	.0223LB	AI/A	1FL	OZ/A	2-3 LEAF		0a	0a	0a	59a	0a	0a
	Agri-Dex	100%	1%	V/V			2-3 LEAF							
7	Aim	2LB/GAL	.0156LB	AI/A	1FL	OZ/A	2-3 LEAF		0a	0a	0a	48b	0a	0a
	Agri-Dex	100%	1%	V/V			2-3 LEAF							
8	Sharpen	2.85LB/GAL	0.0223LB	AI/A	1FL	OZ/A	4-5 LEAF		0a	0a	0a	58a	0a	0a
	Agri-Dex	100%	1%	V/V			4-5 LEAF							
9	Aim	2LB/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF		0a	0a	0a	61a	0a	0a
	Agri-Dex	100%	1%	V/V			4-5 LEAF							
LSD (P=.05)									0.0	0.0	0.0	7.5	0.0	0.0
Standard Deviation									0.0	0.0	0.0	5.1	0.0	0.0
CV									0.0	0.0	0.0	10.68	0.0	0.0
Replicate F									0.000	0.000	0.000	0.096	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	0.9615	1.0000	1.0000
Treatment F									0.000	0.000	0.000	58.310	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Sharpen Residual Weed Control in Rice

Trial ID: SJ14-01	Location: St. Joseph, LA
Protocol ID: SJ14-01	Investigator: Eric P. Webster

Pest Code								CNPPA	CNPPA	CNPPA	CYPES	CYPES	CYPES
Rating Date								7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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						
1Nontreated								0e	0d	0d	0b	0c	0c
2Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	PRE	50d	63ab	81c	39a	40a	23ab
3Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE	64bc	65ab	83c	38a	38ab	19ab
4Sharpen	2.85LB/GAL		.067LB	AI/A	3FL	OZ/A	PRE	69abc	70a	89abc	34a	38ab	26ab
5Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A	PRE	71ab	58b	95a	38a	40a	30ab
Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	4-5 LEAF						
Agri-Dex	100%		1%	V/V			4-5 LEAF						
6Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A	2-3 LEAF	73a	65ab	91ab	38a	40a	33a
Agri-Dex	100%		1%	V/V			2-3 LEAF						
7Aim	2LB/GAL		.0156LB	AI/A	1FL	OZ/A	2-3 LEAF	63c	63ab	88abc	35a	43a	30ab
Agri-Dex	100%		1%	V/V			2-3 LEAF						
8Sharpen	2.85LB/GAL		0.0223LB	AI/A	1FL	OZ/A	4-5 LEAF	63c	41c	85bc	36a	34b	25ab
Agri-Dex	100%		1%	V/V			4-5 LEAF						
9Aim	2LB/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF	54d	46c	88abc	36a	39ab	15bc
Agri-Dex	100%		1%	V/V			4-5 LEAF						
LSD (P=.05)								8.4	10.2	8.4	7.5	5.8	16.6
Standard Deviation								5.8	7.0	5.7	5.2	3.9	11.3
CV								10.25	13.33	7.39	15.91	11.45	51.04
Replicate F								2.070	2.065	3.452	0.104	7.257	3.628
Replicate Prob(F)								0.1309	0.1316	0.0324	0.9570	0.0013	0.0273
Treatment F								60.252	38.864	105.127	22.558	44.375	3.143
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.014

LSU AgCenter SPESS

Sharpen Residual Weed Control in Rice

Trial ID: SJ14-01 Location: St. Joseph, LA
 Protocol ID: SJ14-01 Investigator: Eric P. Webster

Pest Code									CYPIR	CYPIR	CYPIR
Rating Date									7/7/2014	7/21/2014	8/4/2014
Rating Type									CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%
Trt-Eval Interval									14 DAT	28 DAT	42 DAT
Number of Decimals									0	0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth					
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage			
1 Nontreated									0b	0e	0d
2 Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A		PRE	54a	78a	75a
3 Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A		PRE	63a	70cd	66bc
4 Sharpen	2.85LB/GAL		.067LB	AI/A	3FL	OZ/A		PRE	54a	70cd	66bc
5 Sharpen	2.85LB/GAL		.0445LB	AI/A	2FL	OZ/A		PRE	60a	74abc	64c
Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A		4-5 LEAF			
Agri-Dex	100%		1%	V/V				4-5 LEAF			
6 Sharpen	2.85LB/GAL		.0223LB	AI/A	1FL	OZ/A		2-3 LEAF	61a	74abc	70ab
Agri-Dex	100%		1%	V/V				2-3 LEAF			
7 Aim	2LB/GAL		.0156LB	AI/A	1FL	OZ/A		2-3 LEAF	58a	75ab	65bc
Agri-Dex	100%		1%	V/V				2-3 LEAF			
8 Sharpen	2.85LB/GAL		0.0223LB	AI/A	1FL	OZ/A		4-5 LEAF	58a	69d	61c
Agri-Dex	100%		1%	V/V				4-5 LEAF			
9 Aim	2LB/GAL		0.0156LB	AI/A	1FL	OZ/A		4-5 LEAF	56a	73bcd	61c
Agri-Dex	100%		1%	V/V				4-5 LEAF			
LSD (P=.05)									11.4	4.6	6.2
Standard Deviation									7.8	3.1	4.2
CV									15.23	4.87	7.21
Replicate F									1.527	0.632	0.245
Replicate Prob(F)									0.2330	0.6018	0.8639
Treatment F									24.868	240.158	112.355
Treatment Prob(F)									0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Provisia Rice EPOST Tank-mix Study

Experiment number	SJ14-02	
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	21.9	
Crop/Variety	Provisia, CL 151	
Planting date	5/27/2014	
Emergence date	6/6/2014	
Harvest date	N/A	
Uniform std. treatment	N/A	
Application type	PRE	1-3lf
Date applied [mm/dd/yy]	5/27/14	06/17/14
Time [hh:mm-hh:mm]	9:00-9:15	9:28-9:41
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	84/82	78/80
Relative humidity [%]	83	89
Wind [mph, direction]	5-7/SE	5-7/S
Weather [sunny, etc]	sunny	Cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	1-3lf/2-4"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	FF110015	AMFF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	EAB	EPW
Weed Species (population)	----- (height/#leaves) -----	
ECHCG(200-250m ⁻²)	0.5-4"/1-4lf	
ECLAL (4-6m ⁻²)	0.5-1"/cot-4lf	
CNPPA(2-6m ⁻²)	0.5-2"/cot-4lf	
SEBEX(3-6m ⁻²)	1-3"/cot-5lf	
CYPES(1-5m ⁻²)	4-8"/3-6lf	
Flush Dates	6/18/14	
Permanent Flood	7/8/14	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code								PROVISIA	PROVISIA	PROVISIA	CLXL 745	CLXL 745
Rating Date								7/7/2014	7/21/2014	8/22/2014	7/7/2014	7/21/2014
Rating Type								INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								20 DAT	34 DAT	66 DAT	20 DAT	34 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								0b	0a	0a	0e	0c
2 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	20a	0a	0a	76bcd	97ab
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
3 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	20a	0a	0a	70d	96ab
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Facet L	1.5 LBA/GAL		0.375 LB	AI/A	32 FL	OZ/A	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
4 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	14a	0a	0a	71d	97ab
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Facet L	1.5 LBA/GAL		0.375 LB	AI/A	32 FL	OZ/A	1-3 LF					
Sharpen	2.85 LBA/GAL		0.0167 LB	AI/A	0.75 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
5 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	20a	0a	0a	73cd	95b
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Grasp	240 GA/L		0.036 LB	AI/A	2.3 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
6 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	18a	0a	0a	80b	97ab
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Permit	75 % AW/W		0.047 LB	AI/A	1 OZ	WT/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
7 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	19a	0a	0a	79bc	97a
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
Sharpen	2.85 LBA/GAL		0.0167 LB	AI/A	0.75 FL	OZ/A	1-3 LF					
Basagran	480 GA/L		0.5 LB	AI/A	16 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					
8 Command	3 LBA/GAL		1.2 LB	AI/A	51 FL	OZ/A	PRE	5b	0a	0a	91a	97ab
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-3 LF					
RiceBeaux	720 GA/L		6 LB	AI/A	128 FL	OZ/A	1-3 LF					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-3 LF					
Provisia	106 GA/L		0.089 LB	AI/A	12.9 FL	OZ/A	1-2 TILL					
Agri-Dex	100 %		1 %	V/V	1 %	V/V	1-2 TILL					

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code								PROVISIA	PROVISIA	PROVISIA	CLXL 745	CLXL 745
Rating Date								7/7/2014	7/21/2014	8/22/2014	7/7/2014	7/21/2014
Rating Type								INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								20 DAT	34 DAT	66 DAT	20 DAT	34 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					
9Command	3LBA/GAL	1.2LB	AI/A	51FL	OZ/A		PRE	15a	0a	0a	79bc	96ab
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A		1-3 LF					
Permit Plus	75%AW/W	0.035LB	AI/A	0.75OZ	WT/A		1-3 LF					
Agri-Dex	100%	1%	V/V	1%	V/V		1-3 LF					
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A		1-2 TILL					
Agri-Dex	100%	1%	V/V	1%	V/V		1-2 TILL					
10Command	3LBA/GAL	1.2LB	AI/A	51FL	OZ/A		PRE	18a	0a	0a	76bcd	97ab
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A		1-3 LF					
League	75%AW/W	0.188LB	AI/A	4OZ	WT/A		1-3 LF					
Agri-Dex	100%	1%	V/V	1%	V/V		1-3 LF					
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A		1-2 TILL					
Agri-Dex	100%	1%	V/V	1%	V/V		1-2 TILL					
LSD (P=.05)								6.8	0.0	0.0	7.1	2.2
Standard Deviation								4.7	0.0	0.0	4.9	1.5
CV								31.83	0.0	0.0	7.07	1.79
Replicate F								1.399	0.000	0.000	2.552	0.094
Replicate Prob(F)								0.2645	1.0000	1.0000	0.0765	0.9627
Treatment F								8.622	0.000	0.000	104.609	1550.017
Treatment Prob(F)								0.0001	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code						CLXL 745	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date						8/22/2014	7/7/2014	7/21/2014	8/22/2014	7/7/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						66 DAT	20 DAT	34 DAT	66 DAT	20 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 Nontreated							0b	0e	0d	0c
2 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	96a	91a	92ab	93a
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				0c
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
3 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	96a	83bc	86b	84bc
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				96a
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Facet L	1.5LBA/GAL		0.375LB	AI/A	32FL	OZ/A 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
4 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	95a	80bc	91ab	90ab
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				98a
Facet L	1.5LBA/GAL		0.375LB	AI/A	32FL	OZ/A 1-3 LF				
Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75FL	OZ/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
5 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	95a	30d	75c	76c
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				90b
Grasp	240GA/L		0.036LB	AI/A	2.3FL	OZ/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
6 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	95a	83bc	95a	90ab
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				97a
Permit	75%AW/W		0.047LB	AI/A	1OZ	WT/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
7 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	95a	84abc	90ab	90ab
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				98a
Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75FL	OZ/A 1-3 LF				
Basagran	480GA/L		0.5LB	AI/A	16FL	OZ/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				
8 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE	95a	88ab	95a	95a
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF				98a
RiceBeaux	720GA/L		6LB	AI/A	128FL	OZ/A 1-3 LF				
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF				
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL				
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL				

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code						CLXL 745	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date						8/22/2014	7/7/2014	7/21/2014	8/22/2014	7/7/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						66 DAT	20 DAT	34 DAT	66 DAT	20 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					
9Command	3LBA/GAL	1.2LB	AI/A	51FL OZ/A	PRE	97a	80bc	94a	93a	96a
Provisia	106GA/L	0.089LB	AI/A	12.9FL OZ/A	1-3 LF					
Permit Plus	75%AW/W	0.035LB	AI/A	0.75OZ WT/A	1-3 LF					
Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
Provisia	106GA/L	0.089LB	AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
10Command	3LBA/GAL	1.2LB	AI/A	51FL OZ/A	PRE	96a	76c	88b	81c	88b
Provisia	106GA/L	0.089LB	AI/A	12.9FL OZ/A	1-3 LF					
League	75%AW/W	0.188LB	AI/A	4OZ WT/A	1-3 LF					
Agri-Dex	100%	1%	V/V	1%	V/V 1-3 LF					
Provisia	106GA/L	0.089LB	AI/A	12.9FL OZ/A	1-2 TILL					
Agri-Dex	100%	1%	V/V	1%	V/V 1-2 TILL					
LSD (P=.05)						2.4	8.4	6.1	8.0	3.6
Standard Deviation						1.6	5.8	4.2	5.5	2.5
CV						1.9	8.32	5.19	6.93	3.29
Replicate F						4.180	1.320	0.519	0.224	0.462
Replicate Prob(F)						0.0149	0.2885	0.6728	0.8786	0.7113
Treatment F						1371.050	106.668	190.954	107.354	1035.074
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	CYPES	CYPES	CYPES
Rating Date								7/21/2004	8/22/2014	7/7/2014	7/21/2014	8/22/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								34 DAT	66 DAT	20 DAT	34 DAT	66 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 Nontreated								0d	0d	0e	0d	0f
2 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		0d	38c	0e	0d	40e
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
3 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		93bc	98a	45d	38c	50d
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Facet L	1.5LBA/GAL		0.375LB	AI/A	32FL	OZ/A 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
4 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		95ab	96ab	34d	39c	53d
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Facet L	1.5LBA/GAL		0.375LB	AI/A	32FL	OZ/A 1-3 LF						
Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
5 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		92bc	98a	88ab	96a	88bc
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Grasp	240GA/L		0.036LB	AI/A	2.3FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
6 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		94ab	89b	97a	97a	90abc
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Permit	75%AW/W		0.047LB	AI/A	1OZ	WT/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
7 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		98a	97ab	69c	97a	86c
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75FL	OZ/A 1-3 LF						
Basagran	480GA/L		0.5LB	AI/A	16FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						
8 Command	3LBA/GAL		1.2LB	AI/A	51FL	OZ/A PRE		97ab	96ab	61c	89b	95ab
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-3 LF						
RiceBeaux	720GA/L		6LB	AI/A	128FL	OZ/A 1-3 LF						
Agri-Dex	100%		1%	V/V	1%	V/V 1-3 LF						
Provisia	106GA/L		0.089LB	AI/A	12.9FL	OZ/A 1-2 TILL						
Agri-Dex	100%		1%	V/V	1%	V/V 1-2 TILL						

LSU AgCenter SPESS

Provisia Rice EPOST Tankmix Study

Trial ID: SJ14-02 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	CYPES	CYPES	CYPES
Rating Date								7/21/2004	8/22/2014	7/7/2014	7/21/2014	8/22/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								34 DAT	66 DAT	20 DAT	34 DAT	66 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							
9Command	3LBA/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		88c	96ab	96a	95a	92abc
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A	1-3 LF						
Permit Plus	75%AW/W	0.035LB	AI/A	0.75OZ	WT/A	1-3 LF						
Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF						
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A	1-2 TILL						
Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL						
10Command	3LBA/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		88c	98a	73bc	95a	98a
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A	1-3 LF						
League	75%AW/W	0.188LB	AI/A	4OZ	WT/A	1-3 LF						
Agri-Dex	100%	1%	V/V	1%	V/V	1-3 LF						
Provisia	106GA/L	0.089LB	AI/A	12.9FL	OZ/A	1-2 TILL						
Agri-Dex	100%	1%	V/V	1%	V/V	1-2 TILL						
LSD (P=.05)								5.3	9.3	16.0	4.1	8.6
Standard Deviation								3.7	6.4	11.1	2.8	5.9
CV								4.96	7.95	19.67	4.41	8.57
Replicate F								0.307	1.231	0.306	1.377	0.719
Replicate Prob(F)								0.8201	0.3176	0.8207	0.2711	0.5496
Treatment F								454.613	111.770	42.357	836.391	118.546
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen with Propanil Interactions

Experiment number	SJ14-03	
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	21.9	
Crop/Variety	CL 151	
Planting date	5/27/14	
Emergence date	6/4/14	
Harvest date	N/A	
Uniform std. treatment	N/A	
Application type	PRE	MPOST
Date applied [mm/dd/yy]	5/27/14	6/23/14
Time [hh:mm-hh:mm]	9:00-9:15A	9:00-9:15A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	84/82	78/83
Relative humidity [%]	83	87
Wind [mph, direction]	5-7/SE	3-5/S
Weather [sunny, etc]	sunny	Cloudy
Soil/Leaf surface moist	N/A	Dry/Dry
Crop stage/Height	N/A	3-5lf/3-7"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22
Applied by	EAB	EPW
Weed Species (population)	----- (height/#leaves) -----	
CNPPA(6-8m ⁻²)	0.5-4"/cot-5lf	
SEBEX(2-4m ⁻²)	1-4"/1-6lf	
CYPES(10-15m ⁻²)	3-8"/3-12lf	
CYPIR(5-10m ⁻²)	1-3"/3-9lf	
Flush Dates	6/18/14	
Permanent Flood	7/8/14	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen with Propanil Interactions

Trial ID: SJ14-03 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code						RICE	RICE	RICE	SEBEX	SEBEX	SEBEX
Rating Date						7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type						INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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		
1	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	97a	96abc
	Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST					
	Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
2	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	97a	94ab
	Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST					
	Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
3	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	88b	95ab
	Sharpen	2.85LBA/GAL	0.0111LB	AI/A	0.5OZ/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
4	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	97a	93ab
	Sharpen	2.85LBA/GAL	0.0167LB	AI/A	0.75OZ/A	MPOST					
	Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
5	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	98a	96a
	Sharpen	2.85LBA/GAL	0.0167LB	AI/A	0.75OZ/A	MPOST					
	Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
6	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	95a	91bc
	Sharpen	2.85LBA/GAL	0.0167LB	AI/A	0.75OZ/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
7	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	98a	96a
	Sharpen	2.85LBA/GAL	0.0223LB	AI/A	1OZ/A	MPOST					
	Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
8	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	97a	96a
	Sharpen	2.85LBA/GAL	0.0223LB	AI/A	1OZ/A	MPOST					
	Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
9	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	97a	97a
	Sharpen	2.85LBA/GAL	0.0223LB	AI/A	1OZ/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
10	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	94a	88c
	Propanil	4LBA/GAL	2LB	AI/A	2QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					
11	Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	0a	0a	0a	96a	91bc
	Propanil	4LBA/GAL	3LB	AI/A	3QT/A	MPOST					
	Agri-Dex	100%	1%	V/V	1% v/v	MPOST					

LSU AgCenter SPESS

Sharpen with Propanil Interactions

Trial ID: SJ14-03	Location: St. Joseph, LA
Protocol ID:	Investigator: Eric P. Webster

Pest Code	RICE	RICE	RICE	SEBEX	SEBEX	SEBEX
Rating Date	7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type	INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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
12Command	3LBA/GAL	1.2LB	AI/A	51OZ/A	PRE	
Agri-Dex	100%	1%	V/V	1% v/v	MPOST	
LSD (P=.05)	0.0	0.0	0.0	4.1	4.3	11.4
Standard Deviation	0.0	0.0	0.0	2.8	3.0	7.9
CV	0.0	0.0	0.0	3.23	3.5	9.13
Replicate F	0.000	0.000	0.000	2.064	7.157	1.381
Replicate Prob(F)	1.0000	1.0000	1.0000	0.1239	0.0008	0.2657
Treatment F	0.000	0.000	0.000	384.168	327.113	49.101
Treatment Prob(F)	1.0000	1.0000	1.0000	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Sharpen with Propanil Interactions

Trial ID: SJ14-03 Location: St. Joseph, LA
Protocol ID: Investigator: Eric P. Webster

Pest Code						CYPES	CYPES	CYPES	CNPPA	CNPPA	CNPPA
Rating Date						7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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											
1 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					50ab	44abc	74a	90ab	92a	91a	
Sharpen 2.85LBA/GAL 0.0111LB AI/A 0.5OZ/A MPOST											
Propanil 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
2 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					45abc	55a	61a	91ab	91a	66b	
Sharpen 2.85LBA/GAL 0.0111LB AI/A 0.5OZ/A MPOST											
Propanil 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
3 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					33c	34c	13ef	88ab	50c	33c	
Sharpen 2.85LBA/GAL 0.0111LB AI/A 0.5OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
4 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					43abc	41abc	14de	91ab	78b	90a	
Sharpen 2.85LBA/GAL 0.0167LB AI/A 0.75OZ/A MPOST											
Propanil 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
5 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					50ab	43abc	39bc	93a	88ab	89a	
Sharpen 2.85LBA/GAL 0.0167LB AI/A 0.75OZ/A MPOST											
Propanil 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
6 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					38bc	38bc	16de	85b	51c	26c	
Sharpen 2.85LBA/GAL 0.0167LB AI/A 0.75OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
7 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					43abc	46abc	26cd	91ab	89ab	86a	
Sharpen 2.85LBA/GAL 0.0223LB AI/A 1OZ/A MPOST											
Propanil 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
8 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					51ab	43abc	46b	93a	91a	81ab	
Sharpen 2.85LBA/GAL 0.0223LB AI/A 1OZ/A MPOST											
Propanil 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
9 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					48abc	45abc	18de	92ab	83ab	78ab	
Sharpen 2.85LBA/GAL 0.0223LB AI/A 1OZ/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
10 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					36bc	43abc	0f	75c	38d	1d	
Propanil 4LBA/GAL 2LB AI/A 2QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											
11 Command 3LBA/GAL 1.2LB AI/A 51OZ/A PRE					59a	53ab	61a	71c	41cd	39c	
Propanil 4LBA/GAL 3LB AI/A 3QT/A MPOST											
Agri-Dex 100% 1% V/V 1% v/v MPOST											

LSU AgCenter SPSS

Sharpen with Propanil Interactions

Trial ID: SJ14-03	Location: St. Joseph, LA
Protocol ID:	Investigator: Eric P. Webster

Pest Code	CYPES	CYPES	CYPES	CNPPA	CNPPA	CNPPA
Rating Date	7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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		
12Command	3LBA/GAL	1.2LB AI/A	51OZ/A	PRE		
Agri-Dex	100%	1% V/V	1% v/v	MPOST		
LSD (P=.05)	16.4	15.1	13.6	7.6	11.6	19.5
Standard Deviation	11.4	10.5	9.4	5.3	8.0	13.5
CV	27.61	26.07	30.82	6.59	12.17	23.81
Replicate F	1.478	1.131	0.413	2.337	3.100	0.877
Replicate Prob(F)	0.2384	0.3508	0.7446	0.0916	0.0400	0.4630
Treatment F	6.854	7.029	28.301	98.443	54.198	26.868
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Sharpen and RiceBeaux Interactions

Experiment number	SJ14-04	
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	21.9	
Crop/Variety	CL 151	
Planting date	5/27/14	
Emergence date	6/4/14	
Harvest date	N/A	
Uniform std. treatment	N/A	
Application type	PRE	MPOST
Date applied [mm/dd/yy]	5/27/14	6/23/14
Time [hh:mm-hh:mm]	9:00-9:15	9:45-10:00
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	84/82	82
Relative humidity [%]	83	78
Wind [mph, direction]	5-7/SE	2/SW
Weather [sunny, etc]	sunny	pt. cloudy
Soil/Leaf surface moist	N/A	dry/dry
Crop stage/Height	N/A	3-4lf
Sprayer type/MPH	CO ₂ BKPK/3.0	CO ₂ BKPK/3.0
Nozzle type/Size*	AMFF110015	AMFF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/23
Applied by	EAB	EPW
Weed Species (population)	----- (height/#leaves) -----	
CNPPA(6-8m ⁻²)	½-4"/cot-5LF	
SEBEX(2-4m ⁻²)	1-4"/1-6LF	
CYPES(10-15m ⁻²)	3-8"/3-12LF	
CYPIR(5-10m ⁻²)	1-3"/3-9LF	
Flush Dates	6/18/14	
Permanent Flood	7/8/14	

*AMFF – Air mix flat fan nozzles

Sharpen with RiceBeaux Interactions

Pest Code							RICE	RICE	RICE	SEBEX	SEBEX	SEBEX
Rating Date							7/7/2014	7/21/2014	8/4/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type							INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							14 DAT	28 DAT	42 DAT	14 DAT	28 DAT	42 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	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0111LB	AI/A	0.5OZ/A		MPOST				96ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
2	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0111LB	AI/A	0.5OZ/A		MPOST				98a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				99a
3	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	75c
	Sharpen	2.85LBA/GAL		0.0111LB	AI/A	0.5OZ/A		MPOST				50c
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				58c
4	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75OZ/A		MPOST				96ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
5	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75OZ/A		MPOST				96ab
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				97a
6	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	96a
	Sharpen	2.85LBA/GAL		0.0167LB	AI/A	0.75OZ/A		MPOST				93b
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				94a
7	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0223LB	AI/A	1OZ/A		MPOST				97ab
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				98a
8	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	Sharpen	2.85LBA/GAL		0.0223LB	AI/A	1OZ/A		MPOST				93ab
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				99a
9	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	79b
	Sharpen	2.85LBA/GAL		0.0223LB	AI/A	1OZ/A		MPOST				55c
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				78b
10	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	RiceBeaux	6LB/GAL		3LB	AI/A	2QT/A		MPOST				97ab
11	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	98a
	RiceBeaux	6LBA/GAL		4.5LB	AI/A	3QT/A		MPOST				95ab
12	Command	3LBA/GAL		1.2LB	AI/A	51OZ/A		PRE	0a	0a	0a	0d
	Agri-Dex	100%		1% V/V		1% V/V		MPOST				0d
LSD (P=.05)							0.0	0.0	0.0	2.6	5.4	6.5
Standard Deviation							0.0	0.0	0.0	1.8	3.8	4.5
CV							0.0	0.0	0.0	2.13	4.68	5.35
Replicate F							0.000	0.000	0.000	0.670	1.620	0.111
Replicate Prob(F)							1.0000	1.0000	1.0000	0.5763	0.2036	0.9533
Treatment F							0.000	0.000	0.000	955.172	259.913	168.634
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Sharpen with RiceBeaux Interactions

Trial ID: SJ14-04 Location: St. Joseph, LA
 Protocol ID: SJ14-04 Investigator: Eric P. Webster

Pest Code						PHYAN	PHYAN	CYPES	CYPES	CYPES
Rating Date						7/7/2014	7/21/2014	7/7/2014	7/21/2014	8/4/2014
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						14 DAT	28 DAT	14 DAT	28 DAT	42 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 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	97 a	38 e	45 c	41 ef
Sharpen	2.85LBA/GAL	0.0111 LB	AI/A	0.5 OZ/A	MPOST					
RiceBeaux	6LB/GAL	3 LB	AI/A	2 QT/A	MPOST					
2 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	97 a	74 ab	49 bc	38 f
Sharpen	2.85LBA/GAL	0.0111 LB	AI/A	0.5 OZ/A	MPOST					
RiceBeaux	6LBA/GAL	4.5 LB	AI/A	3 QT/A	MPOST					
3 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	93 b	93 b	39 e	48 bc	48 c-f
Sharpen	2.85LBA/GAL	0.0111 LB	AI/A	0.5 OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
4 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	96 ab	43 e	43 c	44 ef
Sharpen	2.85LBA/GAL	0.0167 LB	AI/A	0.75 OZ/A	MPOST					
RiceBeaux	6LB/GAL	3 LB	AI/A	2 QT/A	MPOST					
5 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	95 ab	74 ab	60 ab	73 a
Sharpen	2.85LBA/GAL	0.0167 LB	AI/A	0.75 OZ/A	MPOST					
RiceBeaux	6LBA/GAL	4.5 LB	AI/A	3 QT/A	MPOST					
6 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	95 ab	54 cd	49 bc	51 b-e
Sharpen	2.85LBA/GAL	0.0167 LB	AI/A	0.75 OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
7 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	97 a	78 a	64 a	50 b-e
Sharpen	2.85LBA/GAL	0.0223 LB	AI/A	1 OZ/A	MPOST					
RiceBeaux	6LB/GAL	3 LB	AI/A	2 QT/A	MPOST					
8 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	96 ab	48 de	48 bc	45 def
Sharpen	2.85LBA/GAL	0.0223 LB	AI/A	1 OZ/A	MPOST					
RiceBeaux	6LBA/GAL	4.5 LB	AI/A	3 QT/A	MPOST					
9 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	97 a	93 b	63 c	48 bc	58 bc
Sharpen	2.85LBA/GAL	0.0223 LB	AI/A	1 OZ/A	MPOST					
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
10 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	97 a	96 ab	44 de	49 bc	55 bcd
RiceBeaux	6LB/GAL	3 LB	AI/A	2 QT/A	MPOST					
11 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	98 a	95 ab	64 bc	45 c	60 b
RiceBeaux	6LBA/GAL	4.5 LB	AI/A	3 QT/A	MPOST					
12 Command	3LBA/GAL	1.2 LB	AI/A	51 OZ/A	PRE	0 c	0 c	0 f	0 d	0 g
Agri-Dex	100%	1% V/V		1% V/V	MPOST					
LSD (P=.05)						1.9	3.1	10.9	13.0	10.4
Standard Deviation						1.3	2.1	7.5	9.0	7.2
CV						1.51	2.42	14.68	19.81	15.33
Replicate F						0.522	2.289	0.123	0.429	2.982
Replicate Prob(F)						0.6699	0.0966	0.9460	0.7336	0.0453
Treatment F						1751.858	677.906	32.846	11.981	23.819
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Aim/Obey Combination Study

Experiment number	SJ14-05		
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	21.9		
Crop/Variety	CL 151		
Planting date	5/27/14		
Emergence date	6/4/14		
Harvest date	N/A		
Uniform std. treatment	N/A		
Application type	PRE	1-2 LF	4-5 LF
Date applied [mm/dd/yy]	5/27/14	6/17/14	6/23/14
Time [hh:mm-hh:mm]	9:00-9:15A	9:20-9:25A	9:10-9:20A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	84/82	78/80	80/81
Relative humidity [%]	83	89	82
Wind [mph, direction]	5-7/SE	5-7/S	2-3/S
Weather [sunny, etc]	sunny	pt. cloudy	cloudy
Soil/Leaf surface moist	N/A	dry/dry	dry/dry
Crop stage/Height	N/A	1-3lf/2-4"	3-4lf/4-6"
Sprayer type/MPH	BKPK/3.0	BKPK/3.0	BKPK/3.0
Nozzle type/Size*	AMFF110015	AMFF110015	AMFF110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/22	15/22	15/22
Applied by	EAB	EPW	EPW
Weed Species (population)	----- (height/#leaves) -----		
CNPPA(6-8m ⁻²)	1/2-4"/cot-5lf	1/2-4"/cot-5lf	
SEBEX(2-4m ⁻²)	1-4"/1-6lf	1-4"/1-6lf	
PHYAN(10-15m ⁻²)	1/2-2"/1-5lf	1/2-2"/1-5lf	
CYPES(10-15m ⁻²)	3-8"/3-12l	3-8"/3-12lf	
CYPIR(5-10m ⁻²)	1-3"/3-9lf	1-3"/3-9lf	
Flush Dates	6/18/14		
Permanent Flood	7/8/14		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Aim/Obey Combination Study in Conventional Rice

Trial ID: SJ14-05 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code						RICE	RICE	RICE	ECHCG	ECHCG
Rating Date						7/7/2014	7/21/2014	8/22/2014	7/7/2014	7/21/2014
Rating Type						INJURY	INJURY	INJURY	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						14 DAT	28 DAT	59 DAT	14 DAT	28 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										
Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	41b
2 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	97a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			
3 Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	PRE		0a	95a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	1-2 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			
4 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	96a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	97a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	95a
Obey	2.4LB/GAL		0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
7 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE		0a	97a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
8 Obey	2.4LB/GAL		0.6LB	AI/A	32FL	OZ/A	PRE		0a	97a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
9 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	96a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
Aim	2LBA/GAL		0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			
Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
10 Command	3LBA/GAL		0.3LB	AI/A	12.8FL	OZ/A	PRE		0a	97a
Command	3LBA/GAL		0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			
RiceBeaux	3LB/GAL		2.25LB	AI/A	96FL	OZ/A	4-5 LEAF			
LSD (P=.05)									0.0	5.0
Standard Deviation									0.0	3.5
CV									0.0	3.83
Replicate F									0.000	0.366
Replicate Prob(F)									1.0000	0.7781
Treatment F									0.000	100.005
Treatment Prob(F)									1.0000	0.0001

Aim/Obey Combination Study in Conventional Rice

Pest Code								SEBEX	SEBEX	SEBEX	CYPES
Rating Date								7/7/2014	7/21/2014	8/22/2014	7/7/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								14 DA1-2 lf	28 DA4-5 lf	59 DA4-5 lf	14 DA4-5lf
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	Nontreated									0e	0d
	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		0f	0f
2	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		88ab	92a
	Obey	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			94abc
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			66a
	Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			
3	Obey	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	PRE		93ab	89ab
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	1-2 LEAF			92bc
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF			60ab
	Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			
4	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		74c	60d
	Obey	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	1-2 LEAF			83e
	Agri-Dex	100%		1% V/V		1% V/V		1-2 LEAF			64a
5	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		86ab	95a
	Obey	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			98a
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			48bc
	Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
6	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		90ab	88ab
	Obey	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	4-5 LEAF			93abc
	Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			46c
7	Obey	2.4LB	/GAL	0.6LB	AI/A	32FL	OZ/A	PRE		84b	80bc
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			92bc
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			54abc
	Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
8	Obey	2.4LB	/GAL	0.6LB	AI/A	32FL	OZ/A	PRE		48d	35e
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			85de
										65a	
9	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		92ab	73c
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			90cd
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF			50bc
	Agri-Dex	100%		1% V/V		1% V/V		4-5 LEAF			
10	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		95a	95a
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF			97ab
	RiceBeaux	3LB	/GAL	2.25LB	AI/A	96FL	OZ/A	4-5 LEAF			56abc
LSD (P=.05)								9.6	9.0	6.2	12.9
Standard Deviation								6.6	6.2	4.3	8.9
CV								8.8	8.81	5.23	17.47
Replicate F								0.157	0.127	7.568	0.789
Replicate Prob(F)								0.9242	0.9432	0.0008	0.5106
Treatment F								81.815	99.897	185.411	18.822
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0000

Aim/Obey Combination Study in Conventional Rice

Trial ID: SJ14-05	Location: St. Joseph, LA
Protocol ID:	Investigator: Eric P. Webster

Pest Code							CYPES	CYPES	CNPPA	CNPPA
Rating Date							7/21/2014	8/22/2014	7/7/2014	7/21/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							28 DA4-5 lf	59 DA4-5 lf	14 DA4-5 lf	28 DA4-5 lf
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	Nontreated									
	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
2	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	ObeY	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	1-2 LEAF		
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF		
3	ObeY	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	PRE		
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	1-2 LEAF		
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	1-2 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF		
4	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	ObeY	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	1-2 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	1-2 LEAF		
5	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	ObeY	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	4-5 LEAF		
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF		
6	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	ObeY	2.4LB	/GAL	0.75LB	AI/A	40FL	OZ/A	4-5 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF		
7	ObeY	2.4LB	/GAL	0.6LB	AI/A	32FL	OZ/A	PRE		
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF		
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF		
8	ObeY	2.4LB	/GAL	0.6LB	AI/A	32FL	OZ/A	PRE		
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF		
9	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF		
	Aim	2LB	/GAL	0.0156LB	AI/A	1FL	OZ/A	4-5 LEAF		
	Agri-Dex	100%		1%	V/V	1%	V/V	4-5 LEAF		
10	Command	3LB	/GAL	0.3LB	AI/A	12.8FL	OZ/A	PRE		
	Command	3LB	/GAL	0.4LB	AI/A	17FL	OZ/A	4-5 LEAF		
	RiceBeaux	3LB	/GAL	2.25LB	AI/A	96FL	OZ/A	4-5 LEAF		
LSD (P=.05)							19.3	13.5	10.2	10.5
Standard Deviation							13.3	9.3	7.1	7.3
CV							27.23	14.2	10.3	13.75
Replicate F							1.010	3.160	1.233	4.072
Replicate Prob(F)							0.4034	0.0408	0.3168	0.0165
Treatment F							9.257	27.430	63.239	35.673
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

Aim/Obey Combination Study in Conventional Rice

Trial ID: SJ14-05 Location: St. Joseph, LA
 Protocol ID: Investigator: Eric P. Webster

Pest Code	CNPPA					
Rating Date	8/22/2014					
Rating Type	CONTROL					
Rating Unit	%					
Trt-Eval Interval	59 DA4-5 1f					
Number of Decimals	0					
Trt Treatment	Form	Form	Rate	Other	Other	Growth
No. Name	Conc	Unit	Rate	Unit	Rate	Unit Stage
1 Nontreated						0e
Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
2 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Obey	2.4LB/GAL		0.75LB	AI/A	40FL OZ/A	1-2 LEAF
Aim	2LBA/GAL		0.0156LB	AI/A	1FL OZ/A	1-2 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	1-2 LEAF
3 Obey	2.4LB/GAL		0.75LB	AI/A	40FL OZ/A	PRE
Command	3LBA/GAL		0.4LB	AI/A	17FL OZ/A	1-2 LEAF
Aim	2LBA/GAL		0.0156LB	AI/A	1FL OZ/A	1-2 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	1-2 LEAF
4 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Obey	2.4LB/GAL		0.75LB	AI/A	40FL OZ/A	1-2 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	1-2 LEAF
5 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Obey	2.4LB/GAL		0.75LB	AI/A	40FL OZ/A	4-5 LEAF
Aim	2LBA/GAL		0.0156LB	AI/A	1FL OZ/A	4-5 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	4-5 LEAF
6 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Obey	2.4LB/GAL		0.75LB	AI/A	40FL OZ/A	4-5 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	4-5 LEAF
7 Obey	2.4LB/GAL		0.6LB	AI/A	32FL OZ/A	PRE
Command	3LBA/GAL		0.4LB	AI/A	17FL OZ/A	4-5 LEAF
Aim	2LBA/GAL		0.0156LB	AI/A	1FL OZ/A	4-5 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	4-5 LEAF
8 Obey	2.4LB/GAL		0.6LB	AI/A	32FL OZ/A	PRE
Command	3LBA/GAL		0.4LB	AI/A	17FL OZ/A	4-5 LEAF
9 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Command	3LBA/GAL		0.4LB	AI/A	17FL OZ/A	4-5 LEAF
Aim	2LBA/GAL		0.0156LB	AI/A	1FL OZ/A	4-5 LEAF
Agri-Dex	100%		1%	V/V	1% V/V	4-5 LEAF
10 Command	3LBA/GAL		0.3LB	AI/A	12.8FL OZ/A	PRE
Command	3LBA/GAL		0.4LB	AI/A	17FL OZ/A	4-5 LEAF
RiceBeaux	3LB/GAL		2.25LB	AI/A	96FL OZ/A	4-5 LEAF
LSD (P=.05)						9.0
Standard Deviation						6.2
CV						7.91
Replicate F						2.427
Replicate Prob(F)						0.0873
Treatment F						81.010
Treatment Prob(F)						0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

V-10387 at Different Rates in Drill-Seeded Rice

Experiment number: **SJ14-06**
 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: 21.9
 Crop/Variety: CL-151
 Planting date: 5/27/14
 Emergence date: 6/4/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type: EPOST
 Date applied [mm/dd/yy]: 6/17/14
 Time [hh:mm-hh:mm]: 9:00-9:15A
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 78/80
 Relative humidity [%]: 89%
 Wind [mph, direction]: 5-7, S
 Weather [sunny, etc]: PTCL
 Soil/Leaf surface moist: Dry/Dry
 Crop stage/Height: 1-3lf/2-4"
 Sprayer type/MPH: BKPK/3.0
 Nozzle type/Size*: FF110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/22
 Applied by: EPW

Weed Species (population): (height/#leaves)
 SEBEX (35-50m⁻²): 1-6"/cot-6lf
 CYPES (2-4m⁻²): 3-6"/3-6lf
 CNPPA (2-4m⁻²): 1-3"/cot-3lf

Flush Dates: 6/18/14
 Permanent Flood: 7/8/14

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

V-10387 at Different Rates in Drill-Seeded Rice

Trial ID: SJ14-06	Location:
Protocol ID: SJ14-06	Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE	SEBEX	SEBEX	SEBEX
Rating Date							7/7/2014	7/21/2014	8/22/2014	7/7/2014	7/21/2014	8/22/2014
Rating Type							INJURY	INJURY	INJURY	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							20 DAT	34 DAT	66 DAT	20 DAT	34 DAT	66 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			
1	Nontreated									0a	0a	0c
2	Command	3LB/GAL		1.2LB	AI/A	51FL	OZ/A	PRE		0a	0a	93a
	Permit	75%		.047LB	AI/A	1OZ/A		EPOST				94a
	Propanil	4LB/GAL		3LB	AI/A	3QT/A		EPOST				93a
3	Command	3LB/GAL		1.2LB	AI/A	51FL	OZ/A	PRE		0a	0a	83b
	V-10387	0.5LB/GAL		0.178LB	AI/A	45.6FL	OZ/A	EPOST				
	Dyne-A-Pak	100%		1%	V/V	0.6QT/A		EPOST				
4	Command	3LB/GAL		1.2LB	AI/A	51FL	OZ/A	PRE		0a	0a	88ab
	V-10387	0.5LB/GAL		0.223LB	AI/A	57FL	OZ/A	EPOST				
	Dyne-A-Pak	100%		1%	V/V	0.6QT/A		EPOST				
5	Command	3LB/GAL		1.2LB	AI/A	51FL	OZ/A	PRE		0a	0a	85b
	V-10387	0.5LB/GAL		0.268LB	AI/A	68.6FL	OZ/A	EPOST				
	Dyne-A-Pak	100%		1%	V/V	0.6QT/A		EPOST				
LSD (P=.05)							0.0	0.0	0.0	7.1	7.7	6.1
Standard Deviation							0.0	0.0	0.0	4.6	5.0	4.0
CV							0.0	0.0	0.0	6.49	6.91	5.73
Replicate F							0.000	0.000	0.000	0.834	0.198	1.789
Replicate Prob(F)							1.0000	1.0000	1.0000	0.5007	0.8956	0.2027
Treatment F							0.000	0.000	0.000	298.046	262.916	384.789
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001	0.0000

LSU AgCenter SPESS

V-10387 at Different Rates in Drill-Seeded Rice

Trial ID: SJ14-06	Location:
Protocol ID: SJ14-06	Investigator: Eric P. Webster

Pest Code	CYPES	CYPES	CYPES	CNPPA	CNPPA	CNPPA
Rating Date	7/7/2014	7/21/2014	8/22/2014	7/7/2014	7/21/2014	8/22/2014
Rating Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Trt-Eval Interval	20 DAT	34 DAT	66 DAT	20 DAT	34 DAT	66 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						
1Nontreated	0c	0b	0b	0b	0b	0b
2Command 3LB/GAL 1.2LB AI/A 51FL OZ/A PRE	90a	98a	98a	93a	98a	98a
Permit 75% .047LB AI/A 1OZ/A EPOST						
Propanil 4LB/GAL 3LB AI/A 3QT/A EPOST						
3Command 3LB/GAL 1.2LB AI/A 51FL OZ/A PRE	76b	97a	98a	91a	95a	98a
V-10387 0.5LB/GAL 0.178LB AI/A 45.6FL OZ/A EPOST						
Dyne-A-Pak 100% 1% V/V 0.6QT/A EPOST						
4Command 3LB/GAL 1.2LB AI/A 51FL OZ/A PRE	76b	97a	98a	89a	96a	96a
V-10387 0.5LB/GAL 0.223LB AI/A 57FL OZ/A EPOST						
Dyne-A-Pak 100% 1% V/V 0.6QT/A EPOST						
5Command 3LB/GAL 1.2LB AI/A 51FL OZ/A PRE	79b	97a	98a	90a	97a	98a
V-10387 0.5LB/GAL 0.268LB AI/A 68.6FL OZ/A EPOST						
Dyne-A-Pak 100% 1% V/V 0.6QT/A EPOST						
LSD (P=.05)	6.5	1.9	0.5	4.6	4.2	2.9
Standard Deviation	4.2	1.2	0.3	3.0	2.7	1.9
CV	6.61	1.59	0.42	4.07	3.51	2.38
Replicate F	1.915	1.082	0.615	1.119	0.563	0.794
Replicate Prob(F)	0.1811	0.3938	0.6181	0.3799	0.6496	0.5203
Treatment F	292.570	4968.738	71103.462	755.986	1015.393	2216.390
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000

LSU AgCenter SPESS

V-10387 at Different Rates in Drill-Seeded Rice

Trial ID: SJ14-06 Location:
 Protocol ID: SJ14-06 Investigator: Eric P. Webster

Pest Code									PHYAN	PHYAN
Rating Date									7/7/2014	7/21/2014
Rating Type									CONTROL	CONTROL
Rating Unit									%	%
Trt-Eval Interval									20 DAT	34 DAT
Number of Decimals									0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage		
1	Nontreated								0b	0b
2	Command	3LB/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		98a	98a
	Permit	75%	.047LB	AI/A	1OZ/A		EPOST			
	Propanil	4LB/GAL	3LB	AI/A	3QT/A		EPOST			
3	Command	3LB/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		97a	97a
	V-10387	0.5LB/GAL	0.178LB	AI/A	45.6FL	OZ/A	EPOST			
	Dyne-A-Pak	100%	1%	V/V	0.6QT/A		EPOST			
4	Command	3LB/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		97a	98a
	V-10387	0.5LB/GAL	0.223LB	AI/A	57FL	OZ/A	EPOST			
	Dyne-A-Pak	100%	1%	V/V	0.6QT/A		EPOST			
5	Command	3LB/GAL	1.2LB	AI/A	51FL	OZ/A	PRE		97a	97a
	V-10387	0.5LB/GAL	0.268LB	AI/A	68.6FL	OZ/A	EPOST			
	Dyne-A-Pak	100%	1%	V/V	0.6QT/A		EPOST			
LSD (P=.05)									1.7	1.5
Standard Deviation									1.1	1.0
CV									1.45	1.26
Replicate F									1.294	0.615
Replicate Prob(F)									0.3213	0.6181
Treatment F									5957.392	7820.590
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Rebel Ex and Clincher Comparison

Experiment number: **SJ14-07**
 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: 21.9
 Crop/Variety: CL 151
 Planting date: 5/27/14
 Emergence date: 6/4/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type: LPOST
 Date applied [mm/dd/yy]: 6/23/14
 Time [hh:mm-hh:mm]: 8:45-8:55
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 77
 Relative humidity [%]: 90
 Wind [mph, direction]: 2/W
 Weather [sunny, etc]: pt. cloudy
 Soil/Leaf surface moist: dry/dry
 Crop stage/Height: 3-4LF
 Sprayer type/MPH: CO₂BKPK/3.0
 Nozzle type/Size*: FF110015
 Boom ht/# Noz/Spacing: 15/5/15
 GPA/PSI: 15/23
 Applied by: EPW

Weed Species (population): (height/#leaves)
 SEBEX(40-50m⁻²): 1-8"/1-10LF
 CNPPA(2-4m⁻²): 2-6"/2-8LF
 CYPES(2-6m⁻²): 2-6"/3-12LF

Flush Dates: 6/18/14
 Permanent Flood: 7/8/14

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Rebel Ex and Clincher Comparisons

Trial ID: SJ14-07 Location: St. Joseph, LA
 Protocol ID: SJ14-07 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			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			
1Rebel Ex	2.03LB/GAL	16FL OZ/A	.254LB AI/A	LPOST	0a	0a	0a
Agri-Dex	100%	1QT/A		LPOST			
2Rebel Ex	2.03LB/GAL	18FL OZ/A	.285LB AI/A	LPOST	0a	0a	0a
Agri-Dex	100%	1QT/A		LPOST			
3Rebel Ex	2.03LB/GAL	20FL OZ/A	.317LB AI/A	LPOST	0a	0a	0a
Agri-Dex	100%	1QT/A		LPOST			
4Clincher	2.38LB/GAL	15FL OZ/A	0.28LB AI/A	LPOST	0a	0a	0a
Agri-Dex	100%	1QT/A		LPOST			
5Clincher	2.38LB/GAL	20FL OZ/A	0.37LB AI/A	LPOST	0a	0a	0a
Agri-Dex	100%	1QT/A		LPOST			
6Nontreated					0a	0a	0a
LSD (P=.05)		0.0	0.0	0.0	0.0	2.9	2.8
Standard Deviation		0.0	0.0	0.0	0.0	1.9	1.9
CV		0.0	0.0	0.0	0.0	4.0	3.92
Replicate F		0.000	0.000	0.000	0.000	2.297	0.264
Replicate Prob(F)		1.0000	1.0000	1.0000	1.0000	0.1192	0.8506
Treatment F		0.000	0.000	0.000	0.000	3000.694	3129.661
Treatment Prob(F)		1.0000	1.0000	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Rebel Ex and Clincher Comparisons

Trial ID: SJ14-07 Location: St. Joseph, LA
 Protocol ID: SJ14-07 Investigator: Eric P. Webster

Pest Code							
Rating Date		SEBEX	SEBEX	CYPES	CYPES	CYPES	CYPES
Rating Type		7/28/2014	8/22/2014	7/4/2014	7/7/2014	7/28/2014	8/22/2014
Rating Unit		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Trt-Eval Interval		%	%	%	%	%	%
Number of Decimals		35 DAT	59 DAT	11 DAT	14 DAT	35 DAT	59 DAT
		0	0	0	0	0	0
Trt Treatment	Form Form	Rate	Other Other	Growth			
No. Name	Conc Unit	Rate Unit	Rate Rate Unit	Stage			
1Rebel Ex	2.03LB/GAL	16FL OZ/A	.254LB AI/A	LPOST	93b	96b	71a
Agri-Dex	100%	1QT/A		LPOST			70a
2Rebel Ex	2.03LB/GAL	18FL OZ/A	.285LB AI/A	LPOST	98a	98a	66a
Agri-Dex	100%	1QT/A		LPOST			59ab
3Rebel Ex	2.03LB/GAL	20FL OZ/A	.317LB AI/A	LPOST	98a	98a	48b
Agri-Dex	100%	1QT/A		LPOST			55b
4Clincher	2.38LB/GAL	15FL OZ/A	0.28LB AI/A	LPOST	0c	0c	0c
Agri-Dex	100%	1QT/A		LPOST			0c
5Clincher	2.38LB/GAL	20FL OZ/A	0.37LB AI/A	LPOST	0c	0c	0c
Agri-Dex	100%	1QT/A		LPOST			0c
6Nontreated					0c	0c	0c
LSD (P=.05)		2.4	0.9	16.8	12.3	3.4	4.7
Standard Deviation		1.6	0.6	11.1	8.2	2.2	3.1
CV		3.34	1.26	36.06	26.76	4.86	6.89
Replicate F		1.000	1.000	0.157	0.553	0.596	1.505
Replicate Prob(F)		0.4199	0.4199	0.9233	0.6538	0.6276	0.2539
Treatment F		4299.764	30271.400	38.946	68.491	2036.124	1015.506
Treatment Prob(F)		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Rebel Ex and Clincher Comparisons

Trial ID: SJ14-07 Location: St. Joseph, LA
 Protocol ID: SJ14-07 Investigator: Eric P. Webster

Pest Code					CNPPA	CNPPA	CNPPA	CNPPA
Rating Date					7/4/2014	7/7/2014	7/28/2014	8/22/2014
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					11 DAT	14 DAT	35 DAT	59 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				
1Rebel Ex	2.03LB/GAL	16FL OZ/A	.254LB AI/A	LPOST	96ab	79a	95a	96a
Agri-Dex	100%	1QT/A		LPOST				
2Rebel Ex	2.03LB/GAL	18FL OZ/A	.285LB AI/A	LPOST	95b	76ab	88b	94a
Agri-Dex	100%	1QT/A		LPOST				
3Rebel Ex	2.03LB/GAL	20FL OZ/A	.317LB AI/A	LPOST	98a	71b	96a	95a
Agri-Dex	100%	1QT/A		LPOST				
4Clincher	2.38LB/GAL	15FL OZ/A	0.28LB AI/A	LPOST	0c	0c	0c	0b
Agri-Dex	100%	1QT/A		LPOST				
5Clincher	2.38LB/GAL	20FL OZ/A	0.37LB AI/A	LPOST	0c	0c	0c	0b
Agri-Dex	100%	1QT/A		LPOST				
6Nontreated					0c	0c	0c	0b
LSD (P=.05)					2.4	6.7	2.5	3.7
Standard Deviation					1.6	4.4	1.7	2.4
CV					3.33	11.76	3.58	5.14
Replicate F					1.429	0.194	2.841	3.633
Replicate Prob(F)					0.2737	0.8986	0.0732	0.0376
Treatment F					4340.091	348.477	3748.084	1816.007
Treatment Prob(F)					0.0001	0.0001	0.0001	0.0001

LSU AgCenter

School of Plant, Environmental and Soil Sciences

Winfield Adjuvant Study with Permit

Experiment number: **SJ14-08**
 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: 21.9
 Crop/Variety: CL 151
 Planting date: 5/27/14
 Emergence date: 6/4/14
 Harvest date: N/A
 Uniform std. treatment: N/A

Application type: POST
 Date applied [mm/dd/yy]: 7/14/14
 Time [hh:mm-hh:mm]: 9:30-9:50A
 Incorporation equip./Depth: N/A
 Air/Soil temperature [F]: 84/88
 Relative humidity [%]: 76%
 Wind [mph, direction]: 5/SW
 Weather [sunny, etc]: clear
 Soil/Leaf surface moist: flood/dry
 Crop stage/Height: 1-3till
 Sprayer type/MPH: BKPK/3.0
 Nozzle type/Size*: FF110015
 Boom ht/# Noz/Spacing: 18/5/15
 GPA/PSI: 15/23
 Applied by: EPW

Weed Species (population): (height/#leaves)
 CNPPA(2-5m⁻²): 6-12"/10-20lf
 SEBEX(10-20m⁻²): 10-24"/10-30lf
 CYPES(200-400m⁻²): 3-18"/3-18lf

Flush Dates: 6/18/14
 Permanent Flood: 7/8/14

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Winfield Adjuvant Study with Permit

Trial ID: SJ14-08 Location: St. Joseph, LA
 Protocol ID: SJ14-08 Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	CYPES	CYPES
Rating Date								7/21/2014	7/28/2014	8/22/2014	7/21/2014	7/28/2014
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								7 DAT	14 DAT	39 DAT	7 DAT	14 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								0 f	0 f	0 f	0 e
2	Permit	75%	0.5OZ/A		.0234LB	AI/A	4-5	LEAF	36e	36e	44e	29cd
3	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	54c	54c	71c	34bcd
	InterLock	100%	4FL OZ/A				4-5	LEAF				34bcd
4	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	86a	86a	98a	44a
	AG 13064	100%	4FL OZ/A				4-5	LEAF				44a
5	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	64b	64b	86b	36abc
	AG 14004	100%	4FL OZ/A				4-5	LEAF				36abc
6	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	45d	45d	60d	34bcd
	AG 8050	100%	4FL OZ/A				4-5	LEAF				34bcd
7	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	44de	44de	70c	29cd
	AG 14012	100%	4FL OZ/A				4-5	LEAF				29cd
8	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	44de	44de	66cd	28d
	AG 14013	100%	4FL OZ/A				4-5	LEAF				28d
9	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	63b	63b	88b	36abc
	Superb HC	100%	8FL OZ/A				4-5	LEAF				36abc
	InterLock	100%	2FL OZ/A				4-5	LEAF				36abc
10	Permit	75%	0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	84a	84a	98a	40ab
	AG 13040	100%	0.25% V/V				4-5	LEAF				40ab
LSD (P=.05)									7.8	7.8	8.2	7.7
Standard Deviation									5.4	5.4	5.7	5.3
CV									10.36	10.36	8.34	17.12
Replicate F									2.043	2.043	1.862	1.812
Replicate Prob(F)									0.1316	0.1316	0.1599	0.1688
Treatment F									85.754	85.754	107.681	20.632
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001

Winfield Adjuvant Study with Permit

Trial ID: SJ14-08	Location: St. Joseph, LA
Protocol ID: SJ14-08	Investigator: Eric P. Webster

Pest Code							CYPES	CNPPA	CNPPA	CNPPA	RICE
Rating Date							8/22/2014	7/21/2014	7/28/2014	8/22/2014	7/21/2014
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							39 DAT	7 DAT	14 DAT	39 DAT	7 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				
1Non							0c	0e	0e	0d	0a
2	Permit	75%		0.5OZ/A	.0234LB	AI/A	4-5 LEAF	95b	34d	34d	38c
3	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	97ab	53bc	53bc	36c
	InterLock	100%		4FL OZ/A			4-5 LEAF				
4	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	98a	68a	65a	46bc
	AG 13064	100%		4FL OZ/A			4-5 LEAF				
5	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	97a	49bc	49bc	51b
	AG 14004	100%		4FL OZ/A			4-5 LEAF				
6	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	97ab	44cd	44cd	36c
	AG 8050	100%		4FL OZ/A			4-5 LEAF				
7	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	98a	46bc	46bc	41bc
	AG 14012	100%		4FL OZ/A			4-5 LEAF				
8	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	97a	43cd	43cd	46bc
	AG 14013	100%		4FL OZ/A			4-5 LEAF				
9	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	97a	56ab	56ab	65a
	Superb HC	100%		8FL OZ/A			4-5 LEAF				
	InterLock	100%		2FL OZ/A			4-5 LEAF				
10	Permit	75%		0.5OZ/A	0.0234LB	AI/A	4-5 LEAF	98a	65a	65a	68a
	AG 13040	100%		0.25% V/V			4-5 LEAF				
LSD (P=.05)							2.1	11.6	10.7	10.7	0.0
Standard Deviation							1.5	8.0	7.3	7.4	0.0
CV							1.66	17.45	16.19	17.2	0.0
Replicate F							2.295	1.088	1.154	2.789	0.000
Replicate Prob(F)							0.1004	0.3711	0.3452	0.0597	1.0000
Treatment F							1792.947	22.853	25.999	25.860	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Winfield Adjuvant Study with Permit

Trial ID: SJ14-08 Location: St. Joseph, LA
 Protocol ID: SJ14-08 Investigator: Eric P. Webster

Pest Code									RICE	RICE
Rating Date									7/28/2014	8/22/2014
Rating Type									INJURY	INJURY
Rating Unit									%	%
Trt-Eval Interval									14 DAT	39 DAT
Number of Decimals									0	0
Trt Treatment	Form	Form	Rate	Other	Other	Growth				
No. Name	Conc	Unit	Rate	Unit	Rate	Rate	Unit	Stage		
1 Nontreated									0a	0a
2 Permit	75%		0.5OZ/A		.0234LB	AI/A	4-5	LEAF	0a	0a
3 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
InterLock	100%		4FL OZ/A				4-5	LEAF		
4 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 13064	100%		4FL OZ/A				4-5	LEAF		
5 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 14004	100%		4FL OZ/A				4-5	LEAF		
6 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 8050	100%		4FL OZ/A				4-5	LEAF		
7 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 14012	100%		4FL OZ/A				4-5	LEAF		
8 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 14013	100%		4FL OZ/A				4-5	LEAF		
9 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
Superb HC	100%		8FL OZ/A				4-5	LEAF		
InterLock	100%		2FL OZ/A				4-5	LEAF		
10 Permit	75%		0.5OZ/A		0.0234LB	AI/A	4-5	LEAF	0a	0a
AG 13040	100%		0.25% V/V				4-5	LEAF		
LSD (P=.05)									0.0	0.0
Standard Deviation									0.0	0.0
CV									0.0	0.0
Replicate F									0.000	0.000
Replicate Prob(F)									1.0000	1.0000
Treatment F									0.000	0.000
Treatment Prob(F)									1.0000	1.0000

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
Bleach	Percent white rice plants
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	Grams
G	Feet
GPA	Gallons per acre
HT	Height
IE	Internode elongation
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
POT	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
STETOT	Total stems
STUNT	Percent rice stunting
TD	TurboDrop XL drift reduction nozzles
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>
ALOCA	Carolina foxtail	<i>Aloercurus carolinianus</i>
ALRPH	alligatorweed	<i>Alternanthera philoxeroides</i>
BRAPP	broadleaf signalgrass	<i>Urochloa platyphylla</i>
CARPA	smallflowered bittercress	<i>Cardamine parviflora</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>
LEFNI	Nealley's sprangletop	<i>Leptochloa nealleyi</i>
LEFPA	Amazon sprangletop	<i>Leptochloa panicoides</i>
ORYSA	red rice	<i>Oryza sativa</i>
PHYAN	Cutleaf groundcherry	<i>Physalis angulata</i>
RUMCR	Curly dock	<i>Rumex crispus</i>
SEBEX	hemp sesbania	<i>Sesbania herbacea</i>

Appendix II

List of Herbicides

Trade Name	Formulation	Company	Common Name	Chemical Name
Aim	40 WG	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	4 SL	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
Blazer	2 SC	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
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]benzoate

Trade Name	Formulation	Company	Common Name	Chemical Name
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	-	Quizalofop P-ethyl	ethyl(R)-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
Ricebeau	6 EC	RiceCo	propanil + thiobencarb	3',4'-dichloropropionanilide + S-[(4-chlorophenyl)methyl] diethylcarbamoithioate
Ricestar HT	0.58 EC	Bayer	fenoxaprop-p-ethyl	(±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl) oxy]phenoxy] propanoate
RicePro	4 L	RiceCo	propanil + quinclorac	3',4'-dichloropropionanilide + 3,7-dichloro-8-quinolinecarboxylic acid
Riceshot	4 EC	RiceCo	propanil	3',4'-dichloropropionanilide
Roundup Weathermax	5.5 SL	Monsanto	glyphosate	N-(phosphonomethyl)glycine
Stam M4/SC	4 EC/4 SC	UPI	propanil	3',4'-dichloropropionanilide
Strada	50	Isagro USA	orthosulfamuron	N/A
Strada Pro	50	Isagro USA	orthosulfamuron + halosulfuron	N/A + methyl 5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl]-3-chloro-1-methyl-1- <i>H</i> -pyrazole-4-carboxylate
Strada XT	50	Isagro XT	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		
	High	Low	Rain	High	Low	Rain	High	Low	Rain	High	Low	Rain	High	Low	Rain
	F	F	Inches	F	F	Inches	F	F	Inches	F	F	Inches	F	F	Inches
1	79	61	0	75	49	0	86	73	0.69	93	77	0	86	74	1.21
2	80	65	0	78	56	0	86	72	0.28	94	74	0	88	75	0.18
3	79	71	0	85	54	0	89	72	0	92	72	0	86	76	0.22
4	78	59	0.33	87	59	0	86	73	0.06	90	71	0	91	73	0
5	67	59	0.10	83	56	0	90	75	0	90	69	0	93	76	0.40
6	74	57	0.52	82	60	0	93	73	0	92	69	0	94	77	0
7	71	55	0	84	65	0	92	76	0	93	73	0	91	77	0.06
8	72	48	0.11	84	71	0	93	75	0	92	72	1.07	92	77	0.01
9	72	46	0	81	68	1.29	91	75	0	92	73	0.13	91	74	1.87
10	72	49	0	84	67	0.08	86	70	3.69	92	73	0.05	88	76	0.20
11	77	56	0	87	71	0.09	88	69	0	94	73	0.01	90	73	0.17
12	80	58	0	87	75	0	93	73	0	94	74	0.13	92	73	0
13	79	69	0.03	86	71	0	93	72	0.08	89	75	0.01	89	72	0
14	81	49	0.80	72	56	0.36	90	72	0	92	74	0.45	90	68	0
15	60	43	0	74	50	0	90	73	0.67	87	75	0.01	91	69	0
16	65	39	0	81	55	0	90	74	0	87	70	0	93	75	0.01
17	64	47	0	82	59	0	91	75	0	86	67	0.38	92	75	0.66
18	78	60	0	84	62	0	90	74	0	80	72	2.98	94	74	0
19	80	55	0	85	62	0	91	74	0	84	74	0.16	93	74	1.22
20	83	55	0	85	66	0	90	73	0	89	75	0.02	92	73	0.49
21	78	59	0	87	67	0	92	75	0	91	74	0	93	76	0.06
22	82	62	0	89	63	0	91	77	0	90	74	0	94	74	0
23	84	58	0	87	67	0	92	78	0.01	91	73	0	95	77	0
24	80	60	0	88	67	0	90	73	1.38	91	75	0	94	79	0
25	87	67	0.01	89	65	0	86	72	0.62	92	75	0.56	94	75	0.38
26	84	68	0	88	66	0	88	72	0.37	91	76	0.01	88	75	0
27	83	74	0.01	85	72	0	83	71	0.374	94	77	0	91	75	0
28	84	74	0	83	69	0	89	74	0	90	77	0	91	76	0.02
29	88	69	0	79	72	0	90	79	0	90	75	0	84	75	0.13
30	93	58	0	87	70	0	92	76	0	90	70	0	79	74	1.19
31				88	73	0				90	70	0	91	74	0