Weed Science

Rice Annual Research Report

2013

Photo. Rice Harvest at the Rice Research Station near Crowley, Louisiana

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

LSU AgCenter Research & Extension

Weed Science

Annual Research Report

2013

Louisiana State University Agricultural Center

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Research Summary: 2013-306-9731

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Introduction

This report summarizes the 2013 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.

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LSU AgCenter
School of Plant, Environmental and Soil Sciences
Basis Preplant Study

Experiment number	**C13-01**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	5/2/2013
Harvest date	8/12/2013
Crop/Variety	CL131
Emergence date	5/15/13
Uniform std. treatment	Permit at 1 oz/A plus RiceShot at 4 qt/A

Application type	90DPP	60DPP	30DPP	Overspray
Date applied [mm/dd/yy]	02/01/13	03/07/13	04/02/13	04/22/13
Time [hh:mm-hh:mm]	10:20-10:30am	12:10-12:20pm	9:45-10:00am	10:30-10:55am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	55/58	63/58	66/50	67/63
Relative humidity [%]	64	33	90	55
Wind [mph, direction]	5-8, NE	1-3, N	5-8, E	3-5, NE
Weather [sunny, etc]	sunny	cloudy	sunny	sunny
Soil/Leaf surface moist	dry/dry	dry/dry	dry/dry	dry/dry
Crop stage/Height	N/A	N/A	N/A	N/A
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/24	15/23	15/23
Applied by	JCF	EPW	JCF	BM

Flush Dates	5/3/13, 5/10/13, 5/17/13
Permanent Flood	5/28/13

*AMFF – Air mix flat fan nozzles

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jun-11-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type									INJURY	HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									%	cm	cm	cm	cm
Trt-Eval Interval									70 DAT	63 DAT	63 DAT	63 DAY	63 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	25a	27a	26a	25a
2	Resolve	25%		0.25	oz wt/a	0.0039	lb ai/a	90 D PRE	0d	26a	28a	27a	24a
	Harmony SG	50%		0.25	oz wt/a	0.0078	lb ai/a	90 D PRE					
3	Resolve	25%		0.5	oz wt/a	0.0078	lb ai/a	90 D PRE	0d	28a	24ab	28a	27a
	Harmony SG	50%		0.5	oz wt/a	0.0156	lb ai/a	90 D PRE					
4	Resolve	25%		1	oz wt/a	0.0156	lb ai/a	90 D PRE	3d	25a	23ab	24a	25a
	Harmony SG	50%		1	oz wt/a	0.0313	lb ai/a	90 D PRE					
5	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE	8cd	26a	27a	26a	28a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE					
6	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE	10cd	26a	30a	25a	26a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE					
7	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	60 D PRE	23b	24a	26ab	24a	26a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	60 D PRE					
8	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE	15c	27a	26ab	21a	26a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE					
9	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE	28b	25a	25ab	25a	20a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE					
10	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	30 D PRE	41a	22a	19b	19a	18a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	30 D PRE					
LSD (P=.05)									6.9	5.3	4.8	5.8	6.2
Standard Deviation									4.7	3.7	3.3	4.0	4.3
CV									37.4	14.56	13.04	16.24	17.58
Replicate F									1.000	3.958	2.645	1.863	3.426
Replicate Prob(F)									0.4079	0.0184	0.0693	0.1597	0.0312
Treatment F									35.044	0.825	3.269	1.949	1.893
Treatment Prob(F)									0.0001	0.5990	0.0081	0.0871	0.0967

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-4-2013 AVG HT cm 63 DAT 0	RICE Jun-11-2013 HEIGHT cm 70 DAT 0	RICE Jun-11-2013 HEIGHT cm 70 DAT 0	RICE Jun-11-2013 HEIGHT cm 70 DAT 0	RICE Jun-11-2013 HEIGHT cm 70 DAT 0
									6	7	8	9	10
1	Nontreated								26a	48a	48a	45a	46ab
2	Resolve	25%		0.25oz	wt/a	0.0039	lb ai/a	90 D PRE	26a	46a	46ab	44a	44ab
	Harmony SG	50%		0.25oz	wt/a	0.0078	lb ai/a	90 D PRE					
3	Resolve	25%		0.5oz	wt/a	0.0078	lb ai/a	90 D PRE	26a	46a	48a	49a	49a
	Harmony SG	50%		0.5oz	wt/a	0.0156	lb ai/a	90 D PRE					
4	Resolve	25%		1oz	wt/a	0.0156	lb ai/a	90 D PRE	24a	46a	43ab	42ab	45ab
	Harmony SG	50%		1oz	wt/a	0.0313	lb ai/a	90 D PRE					
5	Resolve	25%		0.25oz	ai/a	0.0156	lb ai/a	60 D PRE	27a	46a	46ab	44a	45ab
	Harmony SG	50%		0.25oz	ai/a	0.0156	lb ai/a	60 D PRE					
6	Resolve	25%		0.5oz	ai/a	0.0313	lb ai/a	60 D PRE	27a	44a	45ab	47a	45ab
	Harmony SG	50%		0.5oz	ai/a	0.0313	lb ai/a	60 D PRE					
7	Resolve	25%		1oz	ai/a	0.0625	lb ai/a	60 D PRE	25a	39a	41abc	40ab	37cd
	Harmony SG	50%		1oz	ai/a	0.0625	lb ai/a	60 D PRE					
8	Resolve	25%		0.25oz	ai/a	0.0156	lb ai/a	30 D PRE	25a	42a	43ab	41ab	41bc
	Harmony SG	50%		0.25oz	ai/a	0.0156	lb ai/a	30 D PRE					
9	Resolve	25%		0.5oz	ai/a	0.0313	lb ai/a	30 D PRE	24a	43a	40bc	40ab	41bc
	Harmony SG	50%		0.5oz	ai/a	0.0313	lb ai/a	30 D PRE					
10	Resolve	25%		1oz	ai/a	0.0625	lb ai/a	30 D PRE	20b	39a	36c	35b	35d
	Harmony SG	50%		1oz	ai/a	0.0625	lb ai/a	30 D PRE					
LSD (P=.05)									3.2	5.5	5.0	5.6	4.5
Standard Deviation									2.2	3.8	3.5	3.9	3.1
CV									8.76	8.7	8.0	9.1	7.2
Replicate F									8.267	0.971	2.141	1.508	1.018
Replicate Prob(F)									0.0005	0.4210	0.1184	0.2349	0.4003
Treatment F									3.886	2.638	5.123	3.969	7.239
Treatment Prob(F)									0.0029	0.0247	0.0004	0.0025	0.0001

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE	RICE	RICE	RICE
Pest Code													
Rating Date									Jun-11-2013	Jun-18-2013	Jun-18-2013	Jun-18-2013	Jun-18-2013
Rating Type									AVG HT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									70 DAT	77 DAT	77 DAT	77 DAT	77 DAT
Number of Decimals									0	0	0	0	0
									11	12	13	14	15
1	Nontreated								47ab	52a	51ab	53a	52a
2	Resolve	25%		0.25	oz wt/a	0.0039	lb ai/a	90 D PRE	45abc	54a	53ab	54a	53a
	Harmony SG	50%		0.25	oz wt/a	0.0078	lb ai/a	90 D PRE					
3	Resolve	25%		0.5	oz wt/a	0.0078	lb ai/a	90 D PRE	48a	53a	51ab	55a	57a
	Harmony SG	50%		0.5	oz wt/a	0.0156	lb ai/a	90 D PRE					
4	Resolve	25%		1	oz wt/a	0.0156	lb ai/a	90 D PRE	44a-d	55a	56ab	56a	57a
	Harmony SG	50%		1	oz wt/a	0.0313	lb ai/a	90 D PRE					
5	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE	45abc	57a	57a	54a	55a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE					
6	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE	45abc	53a	52ab	54a	53a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE					
7	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	60 D PRE	39de	54a	51ab	51a	54a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	60 D PRE					
8	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE	42bcd	53a	50ab	55a	52a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE					
9	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE	41cd	54a	50ab	49a	50a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE					
10	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	30 D PRE	36e	48a	48b	49a	49a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	30 D PRE					
LSD (P=.05)									3.6	6.0	5.0	5.2	4.8
Standard Deviation									2.5	4.1	3.4	3.6	3.3
CV									5.8	7.77	6.65	6.75	6.24
Replicate F									1.952	1.711	2.560	3.407	4.018
Replicate Prob(F)									0.1451	0.1884	0.0759	0.0318	0.0174
Treatment F									8.254	1.210	2.525	1.968	2.473
Treatment Prob(F)									0.0001	0.3294	0.0303	0.0841	0.0333

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-18-2013	Jun-18-2013	Jun-18-2013	Jun-18-2013	Aug-9-2013
Rating Type								AVG HT	STAND COUNT	STAND COUNT	AVG Std Ct	HEIGHT
Rating Unit								cm	/meter	/meter	/meter	cm
Trt-Eval Interval								77 DAT	77 DAT	77 DAT	77 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								52ab	7a	7a	7a	89a
2	Resolve	25%		0.25	oz wt/a	0.0039	lb ai/a	90 D PRE	53ab	6a	8a	7a	89a
	Harmony SG	50%		0.25	oz wt/a	0.0078	lb ai/a	90 D PRE					
3	Resolve	25%		0.5	oz wt/a	0.0078	lb ai/a	90 D PRE	54ab	6a	8a	7a	90a
	Harmony SG	50%		0.5	oz wt/a	0.0156	lb ai/a	90 D PRE					
4	Resolve	25%		1	oz wt/a	0.0156	lb ai/a	90 D PRE	56a	8a	7a	8a	91a
	Harmony SG	50%		1	oz wt/a	0.0313	lb ai/a	90 D PRE					
5	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE	56a	8a	7a	8a	88a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE					
6	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE	53ab	5a	7a	6a	88a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE					
7	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	60 D PRE	52ab	7a	6a	7a	94a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	60 D PRE					
8	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE	52ab	7a	8a	8a	92a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE					
9	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE	51ab	5a	8a	6a	95a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE					
10	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	30 D PRE	48b	5a	4a	5a	93a
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	30 D PRE					
LSD (P=.05)									4.1	2.8	3.0	2.3	5.5
Standard Deviation									2.8	2.0	2.1	1.6	3.8
CV									5.3	30.38	30.18	23.33	4.16
Replicate F									3.999	1.675	1.491	2.456	0.356
Replicate Prob(F)									0.0177	0.1959	0.2393	0.0846	0.7849
Treatment F									2.567	1.588	1.309	1.530	1.824
Treatment Prob(F)									0.0280	0.1690	0.2779	0.1878	0.1096

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-9-2013 HEIGHT cm HARVEST 0	RICE Aug-9-2013 AVG HT cm HARVEST 0	RICE Aug-12-2013 WEIGHT g HARVEST 0	RICE Aug-12-2013 MOISTURE % HARVEST 0	RICE Aug-12-2013 YIELD LB/A HARVEST 0
									21	22	23	24	25
1	Nontreated								89a	89a	1180ab	22a	2859ab
2	Resolve	25%		0.25oz	wt/a	0.0039	lb ai/a	90 D PRE	89a	89a	1351ab	24a	3207ab
	Harmony SG	50%		0.25oz	wt/a	0.0078	lb ai/a	90 D PRE					
3	Resolve	25%		0.5oz	wt/a	0.0078	lb ai/a	90 D PRE	89a	90a	1489ab	24a	3509ab
	Harmony SG	50%		0.5oz	wt/a	0.0156	lb ai/a	90 D PRE					
4	Resolve	25%		1oz	wt/a	0.0156	lb ai/a	90 D PRE	90a	90a	1459ab	24a	3479ab
	Harmony SG	50%		1oz	wt/a	0.0313	lb ai/a	90 D PRE					
5	Resolve	25%		0.25oz	ai/a	0.0156	lb ai/a	60 D PRE	92a	90a	1671a	24a	3970a
	Harmony SG	50%		0.25oz	ai/a	0.0156	lb ai/a	60 D PRE					
6	Resolve	25%		0.5oz	ai/a	0.0313	lb ai/a	60 D PRE	91a	89a	1646a	23a	3957a
	Harmony SG	50%		0.5oz	ai/a	0.0313	lb ai/a	60 D PRE					
7	Resolve	25%		1oz	ai/a	0.0625	lb ai/a	60 D PRE	94a	94a	1500ab	24a	3569ab
	Harmony SG	50%		1oz	ai/a	0.0625	lb ai/a	60 D PRE					
8	Resolve	25%		0.25oz	ai/a	0.0156	lb ai/a	30 D PRE	93a	92a	1687a	24a	3996a
	Harmony SG	50%		0.25oz	ai/a	0.0156	lb ai/a	30 D PRE					
9	Resolve	25%		0.5oz	ai/a	0.0313	lb ai/a	30 D PRE	92a	93a	1352ab	24a	3209ab
	Harmony SG	50%		0.5oz	ai/a	0.0313	lb ai/a	30 D PRE					
10	Resolve	25%		1oz	ai/a	0.0625	lb ai/a	30 D PRE	90a	92a	1055b	22a	2548b
	Harmony SG	50%		1oz	ai/a	0.0625	lb ai/a	30 D PRE					
LSD (P=.05)									4.1	4.0	343.4	1.8	806.6
Standard Deviation									2.8	2.7	236.7	1.2	555.9
CV									3.11	3.02	16.45	5.27	16.21
Replicate F									0.870	0.324	0.585	4.745	0.599
Replicate Prob(F)									0.4685	0.8076	0.6301	0.0087	0.6212
Treatment F									1.623	1.842	3.136	1.414	3.049
Treatment Prob(F)									0.1587	0.1061	0.0102	0.2311	0.0119

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Basis Preplant Study

Trial ID:C13-01 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-01 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26
	Pest Code								RICE
	Rating Date								Aug-12-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Nontreated								3204ab
2	Resolve	25%		0.25	oz wt/a	0.0039	lb ai/a	90 D PRE	3594ab
	Harmony SG	50%		0.25	oz wt/a	0.0078	lb ai/a	90 D PRE	
3	Resolve	25%		0.5	oz wt/a	0.0078	lb ai/a	90 D PRE	3934ab
	Harmony SG	50%		0.5	oz wt/a	0.0156	lb ai/a	90 D PRE	
4	Resolve	25%		1	oz wt/a	0.0156	lb ai/a	90 D PRE	3899ab
	Harmony SG	50%		1	oz wt/a	0.0313	lb ai/a	90 D PRE	
5	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE	4450a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	60 D PRE	
6	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE	4435a
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	60 D PRE	
7	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	60 D PRE	4000ab
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	60 D PRE	
8	Resolve	25%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE	4478a
	Harmony SG	50%		0.25	oz ai/a	0.0156	lb ai/a	30 D PRE	
9	Resolve	25%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE	3597ab
	Harmony SG	50%		0.5	oz ai/a	0.0313	lb ai/a	30 D PRE	
10	Resolve	25%		1	oz ai/a	0.0625	lb ai/a	30 D PRE	2856b
	Harmony SG	50%		1	oz ai/a	0.0625	lb ai/a	30 D PRE	
	LSD (P=.05)								904.1
	Standard Deviation								623.1
	CV								16.21
	Replicate F								0.599
	Replicate Prob(F)								0.6212
	Treatment F								3.049
	Treatment Prob(F)								0.0119

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Yukon Pre Plant Burndown and Plant Back Restriction Evaluation

Experiment number	:	**C13-04**
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
Planting date	:	3/27/2013
Harvest date	:	N/A
Crop/Variety	:	CL111
Emergence date	:	4/12/2013
Uniform std. treatment	:	Permit 1 oz/A plus RiceShot at 4 qt/A

Application type	:	Burndown	Overspray
Date applied [mm/dd/yy]	:	03/07/13	04/22/13
Time [hh:mm-hh:mm]	:	12:45-1:00pm	10:00-10:30am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	68/65	67/63
Relative humidity [%]	:	33	55
Wind [mph, direction]	:	1-3, N	3-5, NE
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	N/A
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/23
Applied by	:	EPW	JCF

Weed Species (population)	:	---------- (height/#leaves) ----------
ALRPH(2-4m^{-2})	:	6-12"/80-150lf
SETLU(10-15m^{-2})	:	4-12"/10-15tiller
POANA(30-40m^{-2})	:	3-8"/5-20tiller
SIBVI(10-15m^{-2})	:	4-12"/flowering
RANSA(4-6m^{-2})	:	4-12"/flowering

Flush Dates	:	4/26, 5/10, 5/17
Permanent Flood	:	5/31

*AMFF – Air mix flat fan nozzles

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
	Pest Code								ALRPH	ALRPH	ALRPH	SETLU
	Rating Date								Mar-14-2013	Mar-21-2013	Apr-29-2013	Mar-14-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%
	Trt-Eval Interval								7 DAT	14 DAT	53 DAT	7 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	0c	0c	0d	0b
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	48a	95a	98a	48a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	38b	31b	21c	38a
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	49a	94a	98a	46a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	41ab	34b	35b	43a
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	49a	97a	98a	48a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								6.4	6.6	7.0	8.0
	Standard Deviation								4.2	4.4	4.7	5.3
	CV								11.37	7.49	8.03	14.42
	Replicate F								0.676	2.766	0.658	0.528
	Replicate Prob(F)								0.5803	0.0782	0.5902	0.6696
	Treatment F								78.869	368.460	365.431	48.273
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
	Pest Code								SETLU	SETLU	POANA	POANA
	Rating Date								Mar-21-2013	Apr-29-2013	Mar-14-2013	Mar-21-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%
	Trt-Eval Interval								14 DAT	53 DAT	7 DAT	14 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	0c	0d	0c	0c
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	96a	98a	61a	98a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	51b	36c	24b	29b
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	96a	98a	60a	98a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	53b	61b	28b	29b
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	97a	97a	61a	98a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								6.7	9.4	3.8	2.4
	Standard Deviation								4.4	6.3	2.5	1.6
	CV								6.74	9.63	6.45	2.69
	Replicate F								0.930	1.342	1.923	0.378
	Replicate Prob(F)								0.4505	0.2982	0.1692	0.7704
	Treatment F								309.311	168.396	419.901	3186.525
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	9	10	11	12
	Pest Code								POANA	SIBVI	SIBVI	SIBVI
	Rating Date								Apr-29-2013	Mar-14-2013	Mar-21-2013	Apr-29-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%
	Trt-Eval Interval								53 DAT	7 DAT	14 DAT	53 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	0d	0b	0c	0c
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	98a	46a	95a	98a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	45c	39a	34b	51b
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	98a	48a	97a	98a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	63b	41a	34b	86a
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	98a	45a	97a	97a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								4.9	7.3	6.2	9.9
	Standard Deviation								3.3	4.9	4.1	6.5
	CV								4.88	13.31	6.94	9.13
	Replicate F								2.126	0.398	1.706	0.027
	Replicate Prob(F)								0.1398	0.7562	0.2085	0.9938
	Treatment F								589.221	56.009	421.140	145.370
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16
Pest Code									RANSA	RANSA	RANSA	ALOCA
Rating Date									Mar-14-2013	Mar-21-2013	Apr-29-2013	Mar-14-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%
Trt-Eval Interval									7 DAT	14 DAT	53 DAT	7 DAT
Number of Decimals									0	0	0	0
1	No Yukon							PREPLANT	0b	0c	0d	0c
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	46a	95a	98a	61a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	35a	34b	64c	25b
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	48a	97a	98a	60a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	44a	36b	78b	26b
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	48a	97a	98a	63a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
LSD (P=.05)									10.1	5.2	10.6	4.7
Standard Deviation									6.7	3.4	7.1	3.1
CV									18.35	5.72	9.74	7.96
Replicate F									1.166	3.331	0.334	2.286
Replicate Prob(F)									0.3556	0.0482	0.8010	0.1205
Treatment F									30.460	603.827	116.925	277.114
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
	Pest Code								ALOCA	ALOCA	OVERALL	OVERALL
	Rating Date								Mar-21-2013	Apr-29-2013	Mar-14-2013	Mar-21-2013
	Rating Type								CONTROL	CONTROL	BRNDWN	BRNDWN
	Rating Unit								%	%	%	%
	Trt-Eval Interval								14 DAT	53 DAT	7 DAT	14 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	0c	0c	0c	0c
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	98a	98a	54a	94a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	29b	53b	33b	36b
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	97a	98a	49a	96a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	30b	48b	39b	37b
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	98a	97a	53a	97a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								3.4	8.1	7.0	6.5
	Standard Deviation								2.2	5.4	4.6	4.3
	CV								3.82	8.26	12.24	7.22
	Replicate F								0.122	0.226	0.570	3.029
	Replicate Prob(F)								0.9457	0.8770	0.6433	0.0622
	Treatment F								1548.911	215.430	76.857	362.862
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24
	Pest Code								OVERALL	RICE	RICE	RICE
	Rating Date								Apr-23-2013	Apr-29-2013	Apr-29-2013	Apr-29-2013
	Rating Type								BRNDWN	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	cm	cm
	Trt-Eval Interval								53 DAT	53 DAT	53 DAT	53 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	0c	0b	17a	17a
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	98a	20a	15a	17a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	50b	0b	15a	17a
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	98a	20a	15a	15a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	54b	10ab	15a	15a
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	98a	21a	15a	14a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								5.0	10.2	2.5	3.1
	Standard Deviation								3.3	6.7	1.7	2.1
	CV								5.06	56.79	11.11	13.2
	Replicate F								0.089	2.466	1.923	1.818
	Replicate Prob(F)								0.9648	0.1022	0.1692	0.1871
	Treatment F								556.149	8.890	1.171	1.301
	Treatment Prob(F)								0.0001	0.0004	0.3682	0.3151

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	25	26	27	28
	Pest Code								RICE	RICE	RICE	RICE
	Rating Date								Apr-29-2013	Apr-29-2013	Apr-29-2013	Jun-4-2013
	Rating Type								HEIGHT	HEIGHT	AVG HT	HEIGHT
	Rating Unit								cm	cm	cm	cm
	Trt-Eval Interval								53 DAT	53 DAT	53 DAT	89 DAT
	Number of Decimals								0	0	0	0
1	No Yukon							PREPLANT	16a	17a	17a	54a
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	14a	16ab	15a	60a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	17a	17a	16a	61a
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	15a	14ab	15a	58a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	16a	15ab	15a	60a
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	14a	13b	14a	60a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
	LSD (P=.05)								2.7	2.7	1.6	6.0
	Standard Deviation								1.8	1.8	1.1	4.0
	CV								11.61	11.72	7.13	6.82
	Replicate F								3.871	2.347	5.044	4.523
	Replicate Prob(F)								0.0311	0.1138	0.0130	0.0189
	Treatment F								1.602	3.780	3.340	1.751
	Treatment Prob(F)								0.2195	0.0205	0.0317	0.1839

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	29	30	31	32
Pest Code									RICE	RICE	RICE	RICE
Rating Date									Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type									HEIGHT	HEIGHT	HEIGHT	AVG HT
Rating Unit									cm	cm	cm	cm
Trt-Eval Interval									89 DAT	89 DAT	89 DAT	89 DAT
Number of Decimals									0	0	0	0
1	No Yukon							PREPLANT	52a	59a	58a	56a
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	60a	57a	57a	59a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	59a	57a	57a	58a
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	56a	59a	58a	57a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	62a	61a	57a	60a
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	56a	57a	54a	57a
	Roundup		3LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
LSD (P=.05)									7.0	6.8	8.6	5.0
Standard Deviation									4.6	4.5	5.7	3.3
CV									8.08	7.8	10.05	5.8
Replicate F									3.812	8.505	2.477	7.611
Replicate Prob(F)									0.0326	0.0015	0.1012	0.0025
Treatment F									2.489	0.471	0.305	0.765
Treatment Prob(F)									0.0784	0.7921	0.9025	0.5892

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Yukon Pre Plant Burndown and Plantback Restriction Evaluation

Trial ID:C13-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	33	34	35	36
Pest Code									RICE	RICE	RICE	RICE
Rating Date									Jul-29-2013	Jul-29-2013	Jul-29-2013	Apr-29-2013
Rating Type									HEIGHT	HEIGHT	AVG HT	COUNT
Rating Unit									cm	cm	cm	/18"
Trt-Eval Interval									144 DAT	144 DAT	144 DAT	53 DAT
Number of Decimals									0	0	0	0
1	No Yukon							PREPLANT	109a	107a	108a	21a
	No Roundup							PREPLANT				
2	No Yukon							PREPLANT	109a	111a	110a	10b
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
3	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	108a	110a	109a	13ab
	No Roundup							PREPLANT				
4	Yukon	67.5		0.253	lb ai/a	6	oz/a	PREPLANT	107a	108a	108a	13ab
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
5	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	107a	111a	109a	15ab
	No Roundup							PREPLANT				
6	Yukon	67.5		0.338	lb ai/a	8	oz/a	PREPLANT	106a	109a	107a	13ab
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	PREPLANT				
LSD (P=.05)									7.1	5.2	5.5	6.1
Standard Deviation									4.7	3.5	3.7	4.1
CV									4.4	3.16	3.39	28.94
Replicate F									2.258	4.734	3.812	0.759
Replicate Prob(F)									0.1236	0.0162	0.0326	0.5342
Treatment F									0.336	0.860	0.351	3.068
Treatment Prob(F)									0.8835	0.5298	0.8738	0.0419

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Comparison of BASF Rice Offerings to FMC's Obey

Experiment number	**C13-05**		
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		
Planting date	3/27/2013		
Harvest date	7/31/2013		
Crop/Variety	CL111		
Emergence date	4/16/2013		
Uniform std. treatment	N/A		
Application type	PRE	EPOST	POSTFLOOD
Date applied [mm/dd/yy]	03/29/13	04/18/13	05/23/13
Time [hh:mm-hh:mm]	10:15-10:20am	12:00-12:10pm	10:45-10:50am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	65/43	81/74	80/81
Relative humidity [%]	66	69	81
Wind [mph, direction]	0-5, SSE	15-20, S	3-5, E
Weather [sunny, etc]	sunny	cloudy	sunny
Soil/Leaf surface moist	dry/dry	wet/dry	fl/dry
Crop stage/Height	N/A	2-3lf	4-5lf/12-15"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/22.5	15/23
Applied by	EPW	EPW	JCF
Weed Species (population)	---------- (height/#leaves) ----------		
AESIN(3-5m^{-2})		0.5-1"/cot-2lf	3-7"/4-5lf
SEBEX(2-4m^{-2})		0.5-1"/cot-1lf	3-7"/4-5lf
ALRPH(2-4m^{-2})		1-3"/6-10lf	3-10"/10-15lf
CYPES(1-3m^{-2})		0.5-2"/3-6lf	5-9"/6-12lf
Flush Dates	4/26/13, 5/3/13, 5/10/13		
Permanent Flood	5/17/13		

*AMFF – Air mix flat fan nozzles

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Comparison of BASF Rice Offerings to FMC's Obey

Trial ID:C13-05 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date									Jun-10-2013	Jun-25-2013	Jul-8-2013	Jun-10-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									18 DAT	33 DAT	46 DAT	18 DAT	33 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0c	0c	0c
2	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	97a	98a	98a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	98a	97a	98a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	33b	88b	68b	53b	81b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	93a	94ab	91a	92a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	98a	97a	98a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									4.4	6.0	7.3	5.7	8.9
Standard Deviation									2.9	4.0	4.9	3.8	5.9
CV									4.16	4.99	6.49	5.22	7.51
Replicate F									0.568	0.280	1.145	0.583	0.954
Replicate Prob(F)									0.6446	0.8388	0.3631	0.6352	0.4396
Treatment F									867.187	388.426	250.459	438.283	175.015
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of BASF Rice Offerings to FMC's Obey

Trial ID:C13-05 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									SEBEX	ALRPH	ALRPH	ALRPH	CYPES
Rating Date									Jul-8-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									46 DAT	18 DAT	33 DAT	46 DAT	18 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0b	0b	0b	0b
2	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	96a	96a	98a	91a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	98a	96a	98a	96a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	PRE	81b	95a	93a	97a	94a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	PRE	93a	95a	94a	97a	93a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	PRE	98a	96a	97a	98a	95a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Command	3LB	A/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									5.9	2.2	3.0	1.2	4.5
Standard Deviation									3.9	1.4	2.0	0.8	3.0
CV									5.04	1.8	2.54	0.95	3.82
Replicate F									0.629	3.021	0.615	0.943	1.448
Replicate Prob(F)									0.6074	0.0626	0.6160	0.4444	0.2684
Treatment F									388.892	2952.562	1484.558	10740.511	660.351
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of BASF Rice Offerings to FMC's Obey

Trial ID:C13-05 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									CYPES	CYPES	RICE	RICE	RICE
Rating Date									Jun-25-2013	Jul-8-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									33 DAT	46 DAT	18 DAT	33 DAT	46 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0a	0a	0a
2	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	PRE	96a	98a	0a	0a	0a
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Obey	2.4LB/GAL		0.75	lb ai/a	40	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	PRE	98a	97a	0a	0a	0a
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	PRE	97a	97a	0a	0a	0a
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	PRE	97a	98a	0a	0a	0a
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	POSTFL					
	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	PRE	98a	98a	0a	0a	0a
	Newpath	2LB/GAL		0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Command	3LBA/GAL		0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									2.5	0.8	0.0	0.0	0.0
Standard Deviation									1.7	0.5	0.0	0.0	0.0
CV									2.05	0.67	0.0	0.0	0.0
Replicate F									1.012	1.667	0.000	0.000	0.000
Replicate Prob(F)									0.4148	0.2166	1.0000	1.0000	1.0000
Treatment F									2286.498	21125.669	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

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Comparison of BASF Rice Offerings to FMC's Obey

Trial ID:C13-05 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 2
									16	17	18	19	20
1	Nontreated								102a	102a	102a	2401b	20.45a
2	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	107a	105a	106a	2503b	20.19a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	104a	105a	104a	2533b	19.58c
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	99a	101a	100a	3266a	20.30a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	99a	98a	98a	2072b	19.80b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL					
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	107a	105a	106a	3640a	19.20d
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL					
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL					
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									6.3	6.0	5.7	542.7	0.221
Standard Deviation									4.2	4.0	3.8	360.2	0.146
CV									4.08	3.89	3.67	13.16	0.74
Replicate F									0.888	1.942	1.156	1.830	2.143
Replicate Prob(F)									0.4697	0.1661	0.3592	0.1851	0.1375
Treatment F									2.617	2.339	2.816	10.767	42.866
Treatment Prob(F)									0.0680	0.0927	0.0548	0.0002	0.0001

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Comparison of BASF Rice Offerings to FMC's Obey

Trial ID:C13-05 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22
	Pest Code								RICE	RICE
	Rating Date								Jul-29-2013	Jul-30-2013
	Rating Type								YIELD	YIELD
	Rating Unit								LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	Nontreated								7404b	8299b
2	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	7745b	8680b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	POSTFL		
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL		
3	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	7901b	8856b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL		
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL		
4	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	10090a	11309a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL		
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL		
5	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	6443b	7221b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	POSTFL		
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL		
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL		
6	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	PRE	11402a	12780a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Clearpath	75%		0.72	lb/a	327	g/a	POSTFL		
	Command	3	LBA/GAL	0.305	lb ai/a	13	oz/a	POSTFL		
	Agri-Dex	100%		1%	v/v	1%	v/v	POSTFL		
	LSD (P=.05)								1688.3	1892.3
	Standard Deviation								1120.4	1255.8
	CV								13.19	13.19
	Replicate F								1.842	1.842
	Replicate Prob(F)								0.1828	0.1828
	Treatment F								11.030	11.030
	Treatment Prob(F)								0.0001	0.0001

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Yukon 24 DPP Comparison with Dicamba

Experiment number	:	**C13-06**
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
Planting date	:	5/2/2013
Harvest date	:	N/A
Crop/Variety	:	CL111
Emergence date	:	5/15/2013
Uniform std. treatment	:	Permit at 1 oz/A plus RiceShot at 4 qt/A

Application type	:	Burndown	Overspray
Date applied [mm/dd/yy]	:	04/09/13	04/22/13
Time [hh:mm-hh:mm]	:	8:50-9:00am	10:30-10:55am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	72/68	67/63
Relative humidity [%]	:	93	55
Wind [mph, direction]	:	8-10, SE	3-5, NE
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/N/A	dry/dry
Crop stage/Height	:	N/A	3-4lf/4-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	EPW	BM

Flush Dates	:	5/3/2013, 5/10/2013, 5/17/2013
Permanent Flood	:	5/28/2013

*AMFF – Air mix flat fan nozzles

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Yukon 24DPP Comparison with Dicamba

Trial ID:C13-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-06 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							Jun-4-2013	Jun-11-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type							INJURY	INJURY	HEIGHT	HEIGHT	HEIGHT	AVG HT
Rating Unit							%	%	cm	cm	cm	cm
Trt-Eval Interval							56 DAT	63 DAT	56 DAT	56 DAT	56 DAT	56 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	Nontreated							27a	0b	28a	30ab	29a	29a
2	Yukon	67.5	0.338	lb ai/a	8	oz/a	Burndown	29a	0b	26a	22b	22a	23a
3	Yukon	67.5	0.675	lb ai/a	16	oz/a	Burndown	28a	13a	30a	29ab	21a	27a
4	Clarity	4.0	0.25	lb ai/a	8	oz/a	Burndown	30a	0b	28a	28ab	25a	27a
5	Clarity	4.0	0.5	lb ai/a	16	oz/a	Burndown	24a	0b	24a	32a	25a	27a
LSD (P=.05)								6.3	2.0	5.8	6.2	7.2	4.4
Standard Deviation								4.1	1.3	3.8	4.0	4.7	2.9
CV								14.93	51.64	13.92	14.45	19.35	10.9
Replicate F								5.985	1.000	4.066	3.022	4.796	8.164
Replicate Prob(F)								0.0098	0.4262	0.0330	0.0715	0.0202	0.0031
Treatment F								1.064	75.000	1.238	3.403	1.791	1.945
Treatment Prob(F)								0.4159	0.0001	0.3463	0.0443	0.1955	0.1674

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Yukon 24DPP Comparison with Dicamba

Trial ID:C13-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-06 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							Jun-18-2013	Jun-18-2013	Jun-18-2013	Jun-18-2013	Jun-18-2013
Rating Type							HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HT
Rating Unit							cm	cm	cm	cm	cm
Trt-Eval Interval							70 DAT	70 DAT	70 DAT	70 DAT	70 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11
1	Nontreated							57a	56a	57a	56a	56a
2	Yukon	67.5	0.338	lb ai/a	8	oz/a	Burndown	58a	55a	55a	58a	56a
3	Yukon	67.5	0.675	lb ai/a	16	oz/a	Burndown	59a	59a	56a	56a	57a
4	Clarity	4.0	0.25	lb ai/a	8	oz/a	Burndown	57a	54a	56a	52a	55a
5	Clarity	4.0	0.5	lb ai/a	16	oz/a	Burndown	58a	57a	58a	58a	58a
LSD (P=.05)								3.5	4.8	4.8	5.3	2.8
Standard Deviation								2.3	3.1	3.1	3.4	1.8
CV								3.91	5.52	5.57	6.1	3.23
Replicate F								6.115	4.009	2.477	3.457	9.170
Replicate Prob(F)								0.0091	0.0344	0.1113	0.0512	0.0020
Treatment F								0.454	1.208	0.535	1.906	1.307
Treatment Prob(F)								0.7680	0.3575	0.7130	0.1742	0.3222

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Yukon 24DPP Comparison with Dicamba

Trial ID:C13-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	12
	Pest Code							RICE
	Rating Date							Jun-18-2013
	Rating Type							STAND COUNT
	Rating Unit							/meter
	Trt-Eval Interval							70 DAT
	Number of Decimals							0
1	Nontreated							6a
2	Yukon	67.5	0.338	lb ai/a	8	oz/a	Burndown	8a
3	Yukon	67.5	0.675	lb ai/a	16	oz/a	Burndown	9a
4	Clarity	4.0	0.25	lb ai/a	8	oz/a	Burndown	5a
5	Clarity	4.0	0.5	lb ai/a	16	oz/a	Burndown	5a
	LSD (P=.05)							2.6
	Standard Deviation							1.7
	CV							25.63
	Replicate F							2.907
	Replicate Prob(F)							0.0783
	Treatment F							4.099
	Treatment Prob(F)							0.0254

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Burndown Evaluation

Experiment number	:	**C13-07**
Location	:	RRS-Crowley, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	:	1.4
pH	:	6.4
CEC	:	19.1
Planting date	:	3/27/2013
Harvest date	:	N/A
Crop/Variety	:	CL111
Emergence date	:	4/12/2013
Uniform std. treatment	:	Permit at 1 oz/A plus RiceShot at 4 qt/A

Application type	:	Burndown	Overspray
Date applied [mm/dd/yy]	:	03/07/13	04/22/13
Time [hh:mm-hh:mm]	:	12:15-12:30pm	10:00-10:30am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	68/65	67/63
Relative humidity [%]	:	33	55
Wind [mph, direction]	:	1-3, N	3-5, NE
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	3-4lf/4-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/23
Applied by	:	EPW	JCF

Weed Species (population)	:---------	(height/#leaves) ----------
ALRPH(2-4m^{-2})	:	6-12"/80-150lf
SETLU(10-15m^{-2})	:	4-12"/10-15tiller
POANA(30-40m^{-2})……	:	3-8"/5-20tiller
SIBVI(10-15m^{-2})	:	4-12"/flowering
RANSA(4-6m^{-2})	:	4-12"/flowering

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ALRPH	ALRPH	ALRPH	SETLU	SETLU
Rating Date									Mar-14-2013	Mar-21-2013	Apr-29-2013	Mar-14-2013	Mar-21-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									7 DAT	14 DAT	53 DAT	7 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	24d	41cd	45b	20c	56b
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	45b	95a	98a	39b	91a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	46b	45c	0d	38b	36c
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	59a	95a	97a	56a	96a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	60a	56b	0d	59a	51b
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	66a	95a	96a	61a	97a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	33cd	36d	29c	25c	40c
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	43bc	91a	96a	41b	95a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								0e	0e	0d	0d	0d
LSD (P=.05)									10.2	6.8	7.4	10.8	9.8
Standard Deviation									7.0	4.7	5.1	7.4	6.7
CV									16.79	7.63	9.95	19.64	10.72
Replicate F									1.021	0.473	1.955	0.352	0.530
Replicate Prob(F)									0.4007	0.7038	0.1477	0.7883	0.6660
Treatment F									34.787	211.123	321.698	29.758	105.221
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SETLU	POANA	POANA	POANA	SIBVI
Pest Code									SETLU	POANA	POANA	POANA	SIBVI
Rating Date									Apr-29-2013	Mar-14-2013	Mar-21-2013	Apr-29-2013	Mar-14-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									53 DAT	7 DAT	14 DAT	53 DAT	7 DAT
Number of Decimals									0	0	0	0	0
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	94a	30d	45b	61c	33d
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	97a	66ab	95a	98a	39cd
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	30d	43c	40b	31e	39cd
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	97a	63ab	98a	98a	56b
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	44c	58b	39b	39d	58b
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	98a	73a	97a	98a	76a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	81b	20d	38b	85b	28d
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	97a	58b	97a	97a	51bc
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								0e	0e	0c	0f	0e
LSD (P=.05)									9.8	10.5	9.9	5.4	10.5
Standard Deviation									6.7	7.2	6.8	3.7	7.2
CV									9.42	15.77	11.14	5.53	17.15
Replicate F									1.488	1.386	0.303	0.109	0.440
Replicate Prob(F)									0.2431	0.2711	0.8227	0.9537	0.7265
Treatment F									121.919	45.894	115.186	384.578	36.360
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Pest Code								SIBVI	SIBVI	RANSA	RANSA	RANSA
Rating Date								Mar-21-2013	Apr-29-2013	Mar-14-2013	Mar-21-2013	Apr-29-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								14 DAT	53 DAT	7 DAT	14 DAT	53 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	54bc	94a	21d	43c	93ab
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	95a	98a	41c	96a	96a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	40c	31c	40c	44c	33c
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	98a	97a	53ab	97a	98a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	60b	41b	60a	59b	38c
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	97a	98a	56ab	98a	98a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	40c	90a	28d	40c	89b
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	96a	97a	48bc	96a	97a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								0d	0d	0e	0d	0d
LSD (P=.05)									11.8	7.2	8.8	4.2	5.8
Standard Deviation									8.1	5.0	6.0	2.9	4.0
CV									12.59	6.91	15.68	4.5	5.6
Replicate F									0.478	3.060	2.359	1.630	1.900
Replicate Prob(F)									0.7006	0.0475	0.0967	0.2087	0.1566
Treatment F									72.988	227.543	40.727	602.235	352.565
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Pest Code								ALOCA	ALOCA	ALOCA	OVERALL	OVERALL
Rating Date								Mar-14-2013	Mar-21-2013	Apr-29-2013	Mar-14-2013	Mar-21-2013
Rating Type								CONTROL	CONTROL	CONTROL	BRNDWN	BRNDWN
Rating Unit								%	%	%	%	%
Trt-Eval Interval								7 DAT	14 DAT	53 DAT	7 DAT	14 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	25d	46b	73b	33d	46bc
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	56bc	95a	97a	49bc	94a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	45c	35b	30c	45c	39c
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	63ab	97a	98a	59ab	96a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	60ab	40b	34c	56abc	53b
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	70a	98a	97a	64a	95a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	23d	38b	35c	24d	39c
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	53bc	95a	97a	49bc	94a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								0e	0c	0d	0e	0d
LSD (P=.05)									10.2	10.7	8.7	9.5	7.6
Standard Deviation									7.0	7.3	6.0	6.5	5.2
CV									15.96	12.09	9.56	15.57	8.47
Replicate F									1.192	0.012	1.569	0.890	0.142
Replicate Prob(F)									0.3337	0.9982	0.2227	0.4604	0.9340
Treatment F									43.675	99.382	162.205	38.031	175.103
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Burndown Evaluation

Trial ID: C13-07 Location: RRS-Crowley, LA Trial Year:
Protocol ID: C13-07 Investigator: Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	OVERALL Apr-29-2013 BRNDWN % 53 DAT 0	RICE Apr-29-2013 INJURY % 53 DAT 0	RICE Apr-29-2013 HEIGHT cm 53 DAT 0	RICE Apr-29-2013 HEIGHT cm 53 DAT 0	RICE Apr-29-2013 HEIGHT cm 53 DAT 0
									21	22	23	24	25
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	79b	11abc	15ab	16ab	15a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	97a	24ab	12b	13ab	13a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	29c	0c	15ab	17ab	16a
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	96a	26a	14ab	12b	15a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	36c	6bc	17a	17a	17a
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	95a	23ab	15ab	15ab	15a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	79b	5bc	16ab	16ab	17a
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	97a	10abc	14ab	15ab	16a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								0d	0c	18a	17ab	17a
LSD (P=.05)									8.8	13.2	2.6	2.8	2.8
Standard Deviation									6.0	9.1	1.8	1.9	1.9
CV									8.89	77.7	11.76	12.7	12.28
Replicate F									1.962	0.113	1.854	0.485	0.389
Replicate Prob(F)									0.1467	0.9518	0.1644	0.6958	0.7616
Treatment F									147.312	5.020	3.727	2.851	1.952
Treatment Prob(F)									0.0001	0.0010	0.0058	0.0223	0.0981

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Apr-29-2013 HEIGHT cm 53 DAT 0	RICE Apr-29-2013 AVG HT cm 53 DAT 0	RICE Jun-4-2013 HEIGHT cm 85 DAT 0	RICE Jun-4-2013 HEIGHT cm 85 DAT 0	RICE Jun-4-2013 HEIGHT cm 85 DAT 0
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Apr-29-2013	Apr-29-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
	Rating Type								HEIGHT	AVG HT	HEIGHT	HEIGHT	HEIGHT
	Rating Unit								cm	cm	cm	cm	cm
	Trt-Eval Interval								53 DAT	53 DAT	85 DAT	85 DAT	85 DAT
	Number of Decimals								0	0	0	0	0
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	14a	15ab	59a	61a	64a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	14a	13b	57a	57a	58a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	16a	16ab	59a	64a	58a
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	13a	13b	59a	60a	55a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	17a	17a	59a	63a	62a
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	15a	15ab	63a	60a	61a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	16a	17a	65a	66a	63a
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	13a	15ab	61a	60a	63a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								18a	17a	63a	63a	62a
	LSD (P=.05)								3.7	2.0	6.2	7.6	7.4
	Standard Deviation								2.5	1.4	4.3	5.2	5.1
	CV								16.55	9.18	7.07	8.53	8.38
	Replicate F								0.193	0.111	1.443	1.138	1.649
	Replicate Prob(F)								0.8999	0.9531	0.2549	0.3536	0.2045
	Treatment F								1.834	4.414	1.739	1.162	1.413
	Treatment Prob(F)								0.1197	0.0022	0.1403	0.3608	0.2416

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Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 31	RICE 32	RICE 33	RICE 34	RICE 35
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jun-4-2013	Jun-4-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
	Rating Type								HEIGHT	AVG HT	HEIGHT	HEIGHT	AVG HT
	Rating Unit								cm	cm	cm	cm	cm
	Trt-Eval Interval								85 DAT	85 DAT	140 DAT	140 DAT	140 DAT
	Number of Decimals								0	0	0	0	0
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	61a	61a	112a	114a	113a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	No Roundup												
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	58a	57a	110a	109a	109a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown					
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	63a	61a	112a	114a	113a
	No Roundup												
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	60a	58a	113a	113a	113a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	63a	61a	115a	113a	114a
	No Roundup												
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	59a	61a	113a	112a	112a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	67a	65a	111a	115a	113a
	No Roundup												
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	61a	61a	116a	117a	116a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown					
9	Nontreated								61a	62a	115a	116a	115a
	LSD (P=.05)								6.0	5.4	6.0	5.6	5.6
	Standard Deviation								4.1	3.7	4.1	3.8	3.8
	CV								6.75	6.04	3.65	3.36	3.37
	Replicate F								1.698	1.564	2.963	1.698	2.407
	Replicate Prob(F)								0.1941	0.2239	0.0523	0.1941	0.0921
	Treatment F								1.728	1.540	0.936	1.319	0.989
	Treatment Prob(F)								0.1431	0.1958	0.5060	0.2816	0.4685

LSU AgCenter SPESS

Burndown Evaluation

Trial ID:C13-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36
	Pest Code								RICE
	Rating Date								Apr-29-2013
	Rating Type								STAND COUNT
	Rating Unit								/18"
	Trt-Eval Interval								53 DAT
	Number of Decimals								0
1	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	15a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown	
	No Roundup								
2	Harmony	50%	AW/W	0.33	oz ai/a	0.66	oz/a	Burndown	10a
	Resolve	25%		0.33	oz ai/a	1.32	oz/a	Burndown	
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown	
3	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	26a
	No Roundup								
4	Valor SX	51%		0.064	lb ai/a	2	oz/a	Burndown	11a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown	
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	12a
	No Roundup								
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	Burndown	12a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown	
7	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	22a
	No Roundup								
8	FirstShot	50%		0.025	lb ai/a	0.8	oz/a	Burndown	15a
	Roundup	3	LBA/GAL	0.75	lb ai/a	32	oz/a	Burndown	
9	Nontreated								16a
	LSD (P=.05)								16.3
	Standard Deviation								11.2
	CV								73.0
	Replicate F								0.546
	Replicate Prob(F)								0.6557
	Treatment F								0.889
	Treatment Prob(F)								0.5406

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Aim - Obey Interaction Study

Experiment number	:	**C13-08**	
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	
Planting date	:	4/23/2013	
Harvest date	:	8/5/2013	
Crop/Variety	:	CL111	
Emergence date	:	5/3/2013	
Uniform std. treatment	:	N/A	

Application type	:	PRE	VEPOST	MPOST
Date applied [mm/dd/yy]	:	04/23/13	05/07/13	05/23/13
Time [hh:mm-hh:mm]	:	3:00-3:15pm	9:30-9:45am	10:50-11:00am
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	81/78	77/76	81/80
Relative humidity [%]	:	59	58	81
Wind [mph, direction]	:	7-10, SE	3-5, S	3-5, E
Weather [sunny, etc]	:	sunny	sunny	sunny
Soil/Leaf surface moist	:	dry/N/A	dry/dry	wet/dry
Crop stage/Height	:	N/A	1-2lf/1-2"	3-4lf/4-5"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	:	15/23	15/23	15/23
Applied by	:	EPW	JCF	JCF

Weed Species (population)	:----------	(height/#leaves)	----------
CYPES(2-5m^{-2})	:	0.5-2"/3lf	2-4"/4-5lf
ECHCG(10-20m^{-2})	:	0.5-1"/3lf	1-4"/3-6lf
ALRPH(1-3m^{-2})	:	1-5"/6-12lf	7-12"/6-20lf
ORYSA(5-10m^{-2})	: `	0.5-2"/3lf	2-4"/4-5lf
SEBEX(3-5m^{-2})	:	0.5-2"/3-5lf	2-7"/5-8lf

Flush Dates	:	5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood	:	6/4/2013

*AMFF – Air mix flat fan nozzles

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Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									19 DAT	33 DAT	46 DAT	19 DAT	33 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0b	0b	0c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	93a	95a	94a	97a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	93a	93a	93a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	89a	93a	96a	93a	88b
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	88a	95a	95a	91a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	95a	97a	95a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.0	3.0	3.7	4.2	4.9
Standard Deviation									3.3	2.0	2.4	2.8	3.2
CV									4.45	2.52	3.08	3.61	4.07
Replicate F									1.073	1.017	3.597	0.317	1.112
Replicate Prob(F)									0.3901	0.4127	0.0387	0.8132	0.3753
Treatment F									484.863	1511.079	1014.689	737.226	585.351
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	SEBEX	SEBEX	SEBEX	ALRPH
Rating Date									Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									46 DAT	19 DAT	33 DAT	46 DAT	19 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0c	0d	0c	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	98a	41ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93a	41b	54c	65b	20ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	98a	38b	71b	65b	40ab
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	96a	98a	98a	60ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	98a	98a	81a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.5	10.0	8.7	7.4	45.9
Standard Deviation									3.6	6.6	5.8	4.9	30.4
CV									4.5	10.75	8.26	7.0	75.32
Replicate F									1.124	1.825	0.423	0.506	1.201
Replicate Prob(F)									0.3706	0.1859	0.7391	0.6839	0.3434
Treatment F									474.155	155.751	180.264	237.862	3.541
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0259

LSU AgCenter SPESS

Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									ALRPH	ALRPH	CYPES	CYPES	CYPES
Rating Date									Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									33 DAT	46 DAT	19 DAT	33 DAT	46 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	20b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	79a	94a	72a	97a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	68a	97a	93a	94a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	61a	96a	92a	94a	97a
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	91a	95a	86a	82a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93a	97a	97a	94a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									24.4	3.7	43.4	11.8	4.5
Standard Deviation									16.2	2.5	28.8	7.8	3.0
CV									24.79	3.08	37.62	10.24	3.74
Replicate F									0.302	0.928	0.034	0.396	0.117
Replicate Prob(F)									0.8237	0.4513	0.9912	0.7577	0.9487
Treatment F									17.999	1014.391	4.076	93.372	688.507
Treatment Prob(F)									0.0001	0.0001	0.0155	0.0001	0.0001

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Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jul-26-2013	Jul-26-2013
Rating Type									INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit									%	%	%	cm	cm
Trt-Eval Interval									19 DAT	33 DAT	46 DAT	64 DAT	64 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	98a	99a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	96a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	104a	101a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	0a	0a	0a	100a	101a
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	98a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	101a	99a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									0.0	0.0	0.0	6.5	6.9
Standard Deviation									0.0	0.0	0.0	4.3	4.6
CV									0.0	0.0	0.0	4.34	4.67
Replicate F									0.000	0.000	0.000	4.366	3.453
Replicate Prob(F)									1.0000	1.0000	1.0000	0.0213	0.0436
Treatment F									0.000	0.000	0.000	1.564	0.842
Treatment Prob(F)									1.0000	1.0000	1.0000	0.2297	0.5406

LSU AgCenter SPESS

Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-26-2013 HEIGHT cm 64 DAT 0	RICE Jul-26-2013 HEIGHT cm 64 DAT 0	RICE Jul-26-2013 AVG HT cm 64 DAT 0	RICE Aug-5-2013 WEIGHT g 74 DAT 0	RICE Aug-5-2013 MOISTURE % 74 DAT 0
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jul-26-2013	Jul-26-2013	Jul-26-2013	Aug-5-2013	Aug-5-2013
	Rating Type								HEIGHT	HEIGHT	AVG HT	WEIGHT	MOISTURE
	Rating Unit								cm	cm	cm	g	%
	Trt-Eval Interval								64 DAT	64 DAT	64 DAT	74 DAT	74 DAT
	Number of Decimals								0	0	0	0	0
									21	22	23	24	25
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	96a	100a	98a	2734a	23a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	103a	98a	2693a	22a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	101a	99a	101a	2135b	22a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	101a	100a	100a	2502ab	22a
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	101a	101a	99a	2298ab	22a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	102a	101a	100a	2667a	22a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								6.5	6.0	5.5	381.6	0.8
	Standard Deviation								4.3	4.0	3.6	253.3	0.6
	CV								4.34	3.94	3.66	10.11	2.52
	Replicate F								0.716	0.419	2.564	3.472	1.188
	Replicate Prob(F)								0.5574	0.7417	0.0935	0.0429	0.3479
	Treatment F								1.020	0.456	0.509	3.665	1.051
	Treatment Prob(F)								0.4403	0.8025	0.7650	0.0229	0.4248

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Aim/Obey Interaction Study

Trial ID:C13-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 26	RICE 27
	Pest Code								RICE	RICE
	Rating Date								Aug-5-2013	Aug-5-2013
	Rating Type								YIELD	HARVEST
	Rating Unit								LB/A	KG/HA
	Trt-Eval Interval								74 DAT	74 DAT
	Number of Decimals								0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6172a	6917a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6111a	6849a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST		
	COC	100%		1%	v/v	1%	v/v	VEPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST		
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST		
	COC	100%		1%	v/v	1%	v/v	MPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	4873b	5462b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST		
	COC	100%		1%	v/v	1%	v/v	VEPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST		
	COC	100%		1%	v/v	1%	v/v	MPOST		
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST	5698ab	6386ab
	COC	100%		1%	v/v	1%	v/v	VEPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST		
	COC	100%		1%	v/v	1%	v/v	MPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5231ab	5863ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST		
	COC	100%		1%	v/v	1%	v/v	VEPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST		
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST		
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	MPOST		
	COC	100%		1%	v/v	1%	v/v	MPOST		
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6072a	6806a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	VEPOST		
	COC	100%		1%	v/v	1%	v/v	VEPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	MPOST		
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	MPOST		
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	MPOST		
	COC	100%		1%	v/v	1%	v/v	MPOST		
	LSD (P=.05)								840.3	941.9
	Standard Deviation								557.7	625.1
	CV								9.8	9.8
	Replicate F								3.385	3.385
	Replicate Prob(F)								0.0461	0.0461
	Treatment F								3.687	3.687
	Treatment Prob(F)								0.0224	0.0224

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Command - Obey Split Shot Evaluation

Experiment number	**C13-09**		
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		
Planting date	3/27/2013		
Harvest date	7/29/2013		
Crop/Variety	CL111		
Emergence date	4/16/2013		
Uniform std. treatment	N/A		
Application type	PRE	EPOST	MPOST
Date applied [mm/dd/yy]	03/29/13	04/18/13	04/30/13
Time [hh:mm-hh:mm]	8:30am- 8:45AM	11:55a-12:00pm	8:20-8:30am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	65/43	81/74	70/65
Relative humidity [%]	66	69	93
Wind [mph, direction]	0-5	15-20, S	5-8, SE
Weather [sunny, etc]	sunny	cloudy	cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	wet/wet
Crop stage/Height	N/A	N/A	3-4lf
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/22.5	15/23
Applied by	EPW	EPW	EPW
Weed Species (population)	----------	(height/#leaves)	----------
AESIN(10-15m^{-2})			0.5-2"/cot-4lf
CNPPA(2-3m^{-2})		0.5-1"/cot-1lf	2-7"/3-7lf
SEBEX(5-10m^{-2})		0.25-0.5"/1-3lf	2-8"/3-9lf
ALRPH(5-10m^{-2})		1-8"/6-20lf	2-4"/6-30lf
COMDI(3-5m^{-2})		0.5-1"/1-2lf	0.5-2"/3-6lf
CYPES(25-30m^{-2})		1-3"/3-6lf	2-6"/3-9lf
CYPIR(75-100m^{-2})			0.5-2"/3-6lf
Flush Dates	4/26/2013, 5/3/2013, 5/10/2013		
Permanent Flood	5/17/2013		

*AMFF – Air mix flat fan nozzles

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	AESIN
Rating Date									May-15-2013	May-23-2013	Jun-11-2013	Jun-24-2013	May-15-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	23 DAT	31 DAT	44 DAT	15 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	95a	98a	90a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	95a	98a	91a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	97a	98a	95a	98a	86a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	97a	96a	98a	94a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	98a	97a	98a	95a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	98a	93a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	97a	97a	96a	98a	89a
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									1.5	1.7	3.4	0.8	6.5
Standard Deviation									1.0	1.1	2.3	0.5	4.4
CV									1.22	1.35	2.74	0.61	5.55
Replicate F									1.354	0.189	1.718	5.174	0.973
Replicate Prob(F)									0.2841	0.9026	0.1939	0.0078	0.4240
Treatment F									4400.072	3591.946	868.934	17436.523	213.560
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date								May-23-2013	Jun-11-2013	Jun-24-2013	May-23-2013	Jun-11-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								23 DAT	31 DAT	44 DAT	23 DAT	31 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0b	0b	0b	0c	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94a	98a	98a	98a	98a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	98a	98a	98a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	96a	98a	98a	96b	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	97a	98a	98a	98a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	97a	98a	98a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	98a	97a	97ab	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	94a	98a	96a	97ab	98a
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									4.6	0.8	2.1	1.4	0.4
Standard Deviation									3.1	0.5	1.5	1.0	0.3
CV									3.77	0.61	1.71	1.13	0.3
Replicate F									1.231	1.354	2.386	0.304	0.636
Replicate Prob(F)									0.3235	0.2841	0.0979	0.8219	0.5999
Treatment F									459.509	17737.842	2237.231	5142.295	73233.553
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Pest Code								SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date								Jun-24-2013	May-15-2013	May-23-2013	Jun-11-2013	Jun-24-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								44 DAT	15 DAT	23 DAT	31 DAT	44 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0b	0f	0c	0d	0c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	40e	51b	31c	31b
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	61c	51b	25c	26b
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	96a	48d	53b	39b	34b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	74b	76a	78a	79a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	84a	85a	81a	86a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	80ab	89a	81a	74a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	96a	65c	45b	45b	46b
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									2.8	7.1	14.6	7.4	14.9
Standard Deviation									1.9	4.8	9.9	5.0	10.1
CV									2.25	8.52	17.67	10.56	21.56
Replicate F									2.135	2.829	0.928	2.108	1.365
Replicate Prob(F)									0.1261	0.0632	0.4447	0.1297	0.2809
Treatment F									1292.002	129.425	32.602	144.034	35.153
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Pest Code								CNPPA	CNPPA	CNPPA	CNPPA	CYPES
Rating Date								May-15-2013	May-23-2013	Jun-11-2013	Jun-24-2013	May-15-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	23 DAT	31 DAT	44 DAT	15 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								0c	0b	0b	0b	0d
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	66ab	90a	98a	98a	43c
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	83ab	95a	98a	98a	34c
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	71ab	88a	98a	95a	39c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	85a	96a	98a	98a	69a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	82ab	98a	98a	98a	65ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	89a	93a	98a	98a	61ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	61b	90a	98a	95a	56b
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									15.0	6.9	0.8	2.7	8.6
Standard Deviation									10.2	4.7	0.5	1.8	5.8
CV									15.16	5.82	0.61	2.17	12.76
Replicate F									2.197	1.262	2.130	1.729	3.443
Replicate Prob(F)									0.1184	0.3130	0.1268	0.1918	0.0353
Treatment F									31.994	194.991	17435.741	1383.673	59.408
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Pest Code							CYPES	CYPES	CYPES	CYPIR	COMDI
Rating Date							May-23-2013	Jun-11-2013	Jun-24-2013	May-15-2013	May-15-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							23 DAT	31 DAT	44 DAT	15 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated								0d	0d	0b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	30bc	24c	91a	81a	79a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	18cd	21c	90a	83a	84a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	35bc	33bc	88a	85a	85a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	68a	49ab	96a	93a	91a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	65a	53a	95a	94a	78a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	66a	59a	96a	90a	84a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	43b	25c	94a	85a	88a
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									18.6	16.3	8.4	10.0	12.8
Standard Deviation									12.7	11.1	5.7	6.8	8.7
CV									31.32	33.83	7.06	8.88	11.87
Replicate F									0.044	1.174	1.532	1.412	2.096
Replicate Prob(F)									0.9875	0.3432	0.2355	0.2672	0.1313
Treatment F									15.321	12.325	131.996	84.782	47.337
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	COMDI May-23-2013 CONTROL % 23 DAT 0	COMDI Jun-11-2013 CONTROL % 31 DAT 0	COMDI Jun-24-2013 CONTROL % 44 DAT 0	RICE May-15-2013 INJURY % 15 DAT 0	RICE May-23-2013 INJURY % 23 DAT 0
									26	27	28	29	30
1	Nontreated								0c	0b	0b	0b	0a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94ab	97a	98a	15a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93ab	98a	98a	13a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	98a	98a	15a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	98a	98a	98a	18a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	92b	98a	97a	14a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	97a	14a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	98a	98a	98a	13a	0a
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									3.6	1.4	0.8	6.4	0.0
Standard Deviation									2.4	1.0	0.5	4.3	0.0
CV									2.89	1.14	0.61	34.64	0.0
Replicate F									2.194	0.925	22.867	2.111	0.000
Replicate Prob(F)									0.1189	0.4462	0.0001	0.1293	1.0000
Treatment F									785.483	5037.491	17745.535	6.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0006	1.0000

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-11-2013 INJURY % 31 DAT 0	RICE Jun-24-2013 INJURY % 44 DAT 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0
									31	32	33	34	35
1	Nontreated								0a	0a	103a	101b	102b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	103a	105ab	104ab
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	108a	109a	108a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	0a	0a	104a	101b	102b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	0a	0a	106a	108a	107ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	0a	0a	106a	106ab	106ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	109a	110a	109a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	0a	0a	105a	107ab	106ab
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST					
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST					
LSD (P=.05)									0.0	0.0	4.6	4.5	3.9
Standard Deviation									0.0	0.0	3.1	3.1	2.7
CV									0.0	0.0	2.96	2.91	2.54
Replicate F									0.000	0.000	0.184	0.718	0.379
Replicate Prob(F)									1.0000	1.0000	0.9059	0.5525	0.7694
Treatment F									0.000	0.000	1.945	4.694	3.940
Treatment Prob(F)									1.0000	1.0000	0.1125	0.0027	0.0068

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Command Obey Split Shot Evaluation

Trial ID:C13-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-09 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-30-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013
Rating Type								WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								g	%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	2	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36	37	38	39
1	Nontreated								1866b	19.20f	4625b	5184b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	3093a	18.90g	7695a	8625a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	EPOST				
	COC	100%		1%	v/v	1%	v/v	EPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	3231a	20.50a	7880a	8832a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	MPOST				
	COC	100%		1%	v/v	1%	v/v	MPOST				
4	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	3526a	19.90d	8664a	9712a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST				
5	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	3192a	20.30b	7803a	8746a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST				
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST				
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST				
6	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	PRE	3303a	20.50a	8054a	9027a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST				
	Prowl	3.3	LBA/GAL	0.87	lb ai/a	2.1	pt/a	MPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	3135a	19.40e	7751a	8687a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	MPOST				
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST				
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST				
8	Command	3	LBA/GAL	0.4	lb ai/a	17	oz/a	PRE	3423a	20.10c	8389a	9403a
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	MPOST				
	NIS	100%		0.25%	v/v	0.25%	v/v	MPOST				
LSD (P=.05)									639.8	0.000	1577.3	1767.9
Standard Deviation									435.0	0.000	1072.4	1202.0
CV									14.05	0.0	14.1	14.1
Replicate F									1.502	0.000	1.511	1.511
Replicate Prob(F)									0.2430	1.0000	0.2409	0.2409
Treatment F									5.667	0.000	5.447	5.447
Treatment Prob(F)									0.0009	1.0000	0.0011	0.0011

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Command - Obey, Broadhead Program Evaluation

Experiment number	**C13-10**
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
Planting date	4/23/2013
Harvest date	8/5/2013
Crop/Variety	CL111
Emergence date	5/3/2013
Uniform std. treatment	N/A

Application type	PRE	VEPOST	MPOST
Date applied [mm/dd/yy]	04/23/13	05/07/13	05/23/13
Time [hh:mm-hh:mm]	3:00-3:15pm	9:30-9:45am	11:00-11:10am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	81/78	77/76	81/80
Relative humidity [%]	59	58	81
Wind [mph, direction]	7-10, SE	3-5, S	3-6, E
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry	fl/dry
Crop stage/Height	N/A	1-2lf/1-2"	3-4lf/4-6"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/23
Applied by	EPW	JCF	JCF

Weed Species (population)	(height/#leaves)	
CYPES(2-5m^{-2})	0.5-2"/2-3lf	4-7"/6-15lf
ORYSA(10-20m^{-2})	0.5-1"/1-3lf	2-4"/4-6lf
ECHCG(20-30m^{-2})	0.5-1"/1-2lf	2-4"/4-6lf
ALRPH(1-3m^{-2})	1-5"/6-12lf	7-14"/8-20lf
SEBEX(3-5m^{-2})	0.5-1"/cot-2lf	5-10"/7-10lf
ECHCG(20-30m^{-2})	0.5-1"/1-2lf	2-5"/4-5lf

Flush Dates	5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood	6/4/2013

*AMFF – Air mix flat fan nozzles

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Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA	BRAPP	BRAPP
Rating Date							Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							19 DAT	31 DAT	46 DAT	19 DAT	31 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0b	0b	0b	0b	0b
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	94a	96a	95a	98a	98a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	0.75	lb ai/a	40	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	89a	91a	93a	95a	97a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	91a	97a	95a	97a	98a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	91a	97a	97a	96a	98a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	90a	90a	95a	95a	94a
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	92a	95a	94a	97a	97a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)							5.3	6.1	4.3	2.3	2.8
Standard Deviation							3.5	4.1	2.9	1.5	1.9
CV							4.54	5.08	3.59	1.88	2.26
Replicate F							1.467	1.871	1.000	1.046	0.874
Replicate Prob(F)							0.2570	0.1706	0.4155	0.3961	0.4727
Treatment F							378.076	302.882	604.663	2204.564	1518.350
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Pest Code						BRAPP	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date						Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013
Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Trt-Eval Interval						46 DAT	19 DAT	31 DAT	46 DAT	19 DAT
Number of Decimals						0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0b	0b	0c	0b	0c
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	98a	97a	98a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	0.75	lb ai/a	40	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	97a	90a	96a	96a	71b
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	95a	98a	97a	98a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	96a	98a	98a	98a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	98a	93a	90b	96a	73b
	COC	1	% v/v	1	% v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	96a	97a	98a	81ab
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1	% v/v	1	% v/v	VEPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)							1.1	6.6	5.2	2.7	13.7
Standard Deviation							0.8	4.4	3.5	1.8	9.2
CV							0.91	5.51	4.24	2.2	12.42
Replicate F							2.199	0.597	1.520	3.523	1.898
Replicate Prob(F)							0.1234	0.6251	0.2434	0.0362	0.1662
Treatment F							9368.508	257.377	434.732	1612.189	57.027
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code						SEBEX	SEBEX	ALRPH	ALRPH	ALRPH
	Rating Date						Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013
	Rating Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%
	Trt-Eval Interval						31 DAT	46 DAT	19 DAT	31 DAT	46 DAT
	Number of Decimals						0	0	0	0	0
1	Nontreated						0c	0b	0c	0c	0b
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	95a	97a	97a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	0.75	lb ai/a	40	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	80b	83a	49b	84b	95a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	91a	93ab	96a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	94a	94a	95a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	85b	83a	39b	88ab	93a
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	76b	82a	88a	84b	98a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)						7.8	11.6	11.1	7.0	3.9
	Standard Deviation						5.3	7.8	7.5	4.7	2.6
	CV						6.91	10.08	11.52	6.11	3.22
	Replicate F						1.475	0.108	0.638	5.928	0.675
	Replicate Prob(F)						0.2549	0.9546	0.6002	0.0054	0.5787
	Treatment F						174.637	80.283	96.336	212.923	752.174
	Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
	Pest Code						CYPES	CYPES	CYPES	RICE	RICE
	Rating Date						Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
	Rating Type						CONTROL	CONTROL	CONTROL	INJURY	INJURY
	Rating Unit						%	%	%	%	%
	Trt-Eval Interval						19 DAT	31 DAT	46 DAT	19 DAT	31 DAT
	Number of Decimals						0	0	0	0	0
1	Nontreated						0b	0b	0b	0a	0a
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	98a	0a	0a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Obey	0.75	lb ai/a	40	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	94a	86a	96a	0a	0a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	0a	0a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	96a	0a	0a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	93a	98a	97a	0a	0a
	COC	1%	v/v	1%	v/v	VEPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	94a	97a	97a	0a	0a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST					
	COC	1%	v/v	1%	v/v	VEPOST					
	Command	0.3	lb ai/a	12.8	oz/a	MPOST					
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST					
	COC	1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)						3.9	10.1	2.5	0.0	0.0
	Standard Deviation						2.6	6.8	1.7	0.0	0.0
	CV						3.2	8.31	2.02	0.0	0.0
	Replicate F						2.701	0.944	4.826	0.000	0.000
	Replicate Prob(F)						0.0763	0.4403	0.0123	1.0000	1.0000
	Treatment F						760.611	114.213	1903.373	0.000	0.000
	Treatment Prob(F)						0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-8-2013 INJURY % 46 DAT 0	RICE Jul-26-2013 HEIGHT cm HARVEST 0	RICE Jul-26-2013 HEIGHT cm HARVEST 0	RICE Jul-26-2013 HEIGHT cm HARVEST 0	RICE Jul-26-2013 HEIGHT cm HARVEST 0	RICE Jul-26-2013 AVG HT cm HARVEST 0
							21	22	23	24	25	26
1	Nontreated						0a	98a	97a	97a	97a	97a
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	0a	99a	99a	100a	97a	99a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST						
	COC	1%	v/v	1%	v/v	VEPOST						
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST						
	Obey	0.75	lb ai/a	40	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	0a	100a	100a	101a	103a	101a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST						
	COC	1%	v/v	1%	v/v	VEPOST						
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	0a	101a	99a	99a	98a	99a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST						
	COC	1%	v/v	1%	v/v	VEPOST						
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST						
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST						
	Command	0.3	lb ai/a	12.8	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	0a	103a	101a	102a	102a	102a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST						
	COC	1%	v/v	1%	v/v	VEPOST						
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST						
	Command	0.3	lb ai/a	12.8	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	0a	97a	97a	99a	100a	98a
	COC	1%	v/v	1%	v/v	VEPOST						
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	0a	101a	100a	102a	99a	100a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST						
	COC	1%	v/v	1%	v/v	VEPOST						
	Command	0.3	lb ai/a	12.8	oz/a	MPOST						
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST						
	COC	1%	v/v	1%	v/v	MPOST						
LSD (P=.05)							0.0	6.9	4.7	4.7	5.6	4.2
Standard Deviation							0.0	4.7	3.2	3.2	3.8	2.8
CV							0.0	4.68	3.18	3.16	3.82	2.82
Replicate F							0.000	0.143	3.421	0.922	2.197	1.989
Replicate Prob(F)							1.0000	0.9331	0.0396	0.4500	0.1237	0.1517
Treatment F							0.000	0.710	1.098	1.398	1.694	1.459
Treatment Prob(F)							1.0000	0.6463	0.4013	0.2689	0.1799	0.2475

LSU AgCenter SPESS

Command/Obey/Broadhead Program Evaluation

Trial ID:C13-10 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-26-2013 WEIGHT g HARVEST 0	RICE Jul-26-2013 MOISTURE % HARVEST	RICE Jul-26-2013 YIELD LB/A HARVEST 0	RICE Jul-26-2013 YIELD KG/HA HARVEST 0
	Pest Code									
	Rating Date						Jul-26-2013	Jul-26-2013	Jul-26-2013	Jul-26-2013
	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
							27	28	29	30
1	Nontreated						2224a	22.40a	5552a	6222a
2	Command	0.3	lb ai/a	12.8	oz/a	PRE	2632a	22.40a	6570a	7364a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST				
	COC	1	% v/v	1	% v/v	VEPOST				
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST				
	Obey	0.75	lb ai/a	40	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
3	Command	0.3	lb ai/a	12.8	oz/a	PRE	2156a	22.40a	5381a	6031a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST				
	COC	1	% v/v	1	% v/v	VEPOST				
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
4	Command	0.3	lb ai/a	12.8	oz/a	PRE	2586a	22.40a	6455a	7235a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST				
	COC	1	% v/v	1	% v/v	VEPOST				
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST				
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST				
	Command	0.3	lb ai/a	12.8	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
5	Command	0.3	lb ai/a	12.8	oz/a	PRE	1955a	22.40a	4879a	5469a
	Newpath	0.094	lb ai/a	6	oz/a	VEPOST				
	COC	1	% v/v	1	% v/v	VEPOST				
	Broadhead	0.39	lb ai/a	8.9	oz/a	MPOST				
	Command	0.3	lb ai/a	12.8	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
6	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST	2581a	22.40a	6442a	7221a
	COC	1	% v/v	1	% v/v	VEPOST				
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
7	Command	0.3	lb ai/a	12.8	oz/a	PRE	2629a	22.40a	6563a	7356a
	Newpath	0.0625	lb ai/a	4	oz/a	VEPOST				
	COC	1	% v/v	1	% v/v	VEPOST				
	Command	0.3	lb ai/a	12.8	oz/a	MPOST				
	Newpath	0.0625	lb ai/a	4	oz/a	MPOST				
	COC	1	% v/v	1	% v/v	MPOST				
	LSD (P=.05)						601.8	0.000	1502.1	1683.7
	Standard Deviation						405.1	0.000	1011.1	1133.3
	CV						16.92	0.0	16.92	16.92
	Replicate F						1.922	0.000	1.922	1.922
	Replicate Prob(F)						0.1621	1.0000	0.1621	0.1621
	Treatment F						1.879	0.000	1.879	1.879
	Treatment Prob(F)						0.1400	1.0000	0.1400	0.1400

LSU AgCenter
School of Plant, Environmental and Soil Sciences
League Program for Red Rice Control

Experiment number	:	**C13-11**	
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	
Planting date	:	4/23/2013	
Harvest date	:	8/5/2013	
Crop/Variety	:	CL111	
Emergence date	:	5/3/2013	
Uniform std. treatment	:	N/A	
Application type	:	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	:	04/23/13	05/13/13	05/28/13
Time [hh:mm-hh:mm]	:	3:00-3:15pm	12:30-1:00pm	1:15-1:30pm
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	81/78	77/73	77/78
Relative humidity [%]	:	59	37	79
Wind [mph, direction]	:	7-10, SE	5-7, E	5-7, SE
Weather [sunny, etc]	:	sunny	sunny	sunny
Soil/Leaf surface moist	:	dry/N/A	wet/dry	dry/dry
Crop stage/Height	:	N/A	2-3lf	4-5lf/6-9"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	:	15/23	15/22	15/23
Applied by	:	EPW	BMM	JCF
Weed Species (population)	:	---------- (height/#leaves) ----------		
ALRPH(2-5m^{-2})	:		2-5"/10-20lf	5-12"/20-25lf
ECHCG(5-15m^{-2})	:		0.5-1"/1-3lf	3-5"/3-5lf
SEBEX(3-5m^{-2})	:		0.5-1"/cot-2lf	3-5"/3-6lf
ORYSA(50-75m^{-2})	:		0.5-1"/1-2lf	3-5"/3-5lf
Flush Dates	:	5/10/2013, 5/17/2013, 5/24/2013		
Permanent Flood	:	6/4/2013		

*AMFF – Air mix flat fan nozzles

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	41 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	98a	95a	96a	98a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	96a	96a	96a	98a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	97a	95a	96a	96a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	96a	96a	97a	97a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	89a	95a	96a	97a	95a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	97a	97a	96a	97a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	98a	95a	97a	97a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Pest Code								ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date								Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								14 DAT	28 DAT	41 DAT	14 DAT	28 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	90a	94a	95a	95a	93a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	LPOST					
LSD (P=.05)									0.8	3.2	3.3	1.5	3.4
Standard Deviation									0.5	2.2	2.2	1.0	2.3
CV									0.68	2.53	2.64	1.21	2.69
Replicate F									0.372	0.069	0.656	0.439	0.354
Replicate Prob(F)									0.7739	0.9758	0.5871	0.7274	0.7870
Treatment F									12040.071	880.772	808.070	3823.865	776.629
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	SEBEX	SEBEX	SEBEX	ALRPH
Rating Date									Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									41 DAT	14 DAT	28 DAT	41 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	91a	95a	93a	84a
	League	75%AW	W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
3	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	98a	98a	93a
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
4	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	98a	98a	88a
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
5	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	98a	98a	86a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
6	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	92a	90a	91a	86a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
7	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	98a	97a	92a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
8	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	98a	89a
	Newpath	2LB	/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB	/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75%AW	W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ECHCG	SEBEX	SEBEX	SEBEX	ALRPH
	Rating Date								Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								41 DAT	14 DAT	28 DAT	41 DAT	14 DAT
	Number of Decimals								0	0	0	0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	98a	90a	93a	93a	93a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								0.7	6.9	5.8	5.0	7.8
	Standard Deviation								0.5	4.7	4.0	3.4	5.3
	CV								0.53	5.58	4.7	4.06	6.76
	Replicate F								18.217	0.198	0.104	0.859	0.525
	Replicate Prob(F)								0.0001	0.8964	0.9572	0.4756	0.6696
	Treatment F								19828.306	182.525	256.713	344.001	124.452
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-11-2013 INJURY % 14 DAT 0	RICE Jun-25-2013 INJURY % 28 DAT 0	RICE Jul-8-2013 INJURY % 41 DAT 0	RICE Aug-5-2013 HEIGHT cm 65 DAT 0	RICE Aug-5-2013 HEIGHT cm 65 DAT 0
1	Nontreated								0a	0a	0a	97a	97a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	102a	99a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	103a	102a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	101a	103a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	99a	102a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	99a	100a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	102a	102a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a	100a	100a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jun-11-2013	Jun-25-2013	Jul-8-2013	Aug-5-2013	Aug-5-2013
	Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	cm	cm
	Trt-Eval Interval								14 DAT	28 DAT	41 DAT	65 DAT	65 DAT
	Number of Decimals								0	0	0	0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	0a	0a	0a	99a	101a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								0.0	0.0	0.0	7.0	6.9
	Standard Deviation								0.0	0.0	0.0	4.8	4.8
	CV								0.0	0.0	0.0	4.76	4.73
	Replicate F								0.000	0.000	0.000	6.323	5.261
	Replicate Prob(F)								1.0000	1.0000	1.0000	0.0026	0.0062
	Treatment F								0.000	0.000	0.000	0.629	0.514
	Treatment Prob(F)								1.0000	1.0000	1.0000	0.7453	0.8340

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 HEIGHT cm 65 DAT 0	RICE Aug-5-2013 HEIGHT cm 65 DAT 0	RICE Aug-5-2013 AVG HT cm 65 DAT 0	RICE Aug-5-2013 WEIGHT g 65 DAT 0	RICE Aug-5-2013 MOISTURE % 65 DAT 0
									16	17	18	19	20
1	Nontreated								98a	100a	98a	2201a	23a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	99a	97a	99a	2286a	23a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	101a	103a	102a	2556a	23a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	100a	100a	101a	3083a	23a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	100a	102a	101a	2288a	23a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	99a	101a	100a	2811a	23a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	101a	101a	102a	2666a	23a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	100a	99a	2790a	23a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013
	Rating Type								HEIGHT	HEIGHT	AVG HT	WEIGHT	MOISTURE
	Rating Unit								cm	cm	cm	g	%
	Trt-Eval Interval								65 DAT	65 DAT	65 DAT	65 DAT	65 DAT
	Number of Decimals								0	0	0	0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	101a	97a	99a	2874a	23a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	LPOST					
	LSD (P=.05)								6.2	5.0	5.5	541.2	0.0
	Standard Deviation								4.2	3.4	3.7	370.8	0.0
	CV								4.27	3.41	3.74	14.17	0.0
	Replicate F								6.430	14.266	9.524	2.523	0.000
	Replicate Prob(F)								0.0024	0.0001	0.0003	0.0817	1.0000
	Treatment F								0.411	1.366	0.505	2.720	0.000
	Treatment Prob(F)								0.9029	0.2608	0.8405	0.0275	1.0000

LSU AgCenter SPESS

League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 YIELD LB/A 65 DAT 0	RICE Aug-5-2013 YIELD KGHA 65 DAT 0
1	Nontreated								5250a	5885a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5451a	6110a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE		
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6097a	6833a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE		
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	7354a	8242a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE		
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5457a	6116a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6705a	7515a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6358a	7126a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6654a	7458a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST		

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League Program for Red Rice Control

Trial ID:C13-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-11 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE
	Pest Code								RICE	RICE
	Rating Date								Aug-5-2013	Aug-5-2013
	Rating Type								YIELD	YIELD
	Rating Unit								LB/A	KGHA
	Trt-Eval Interval								65 DAT	65 DAT
	Number of Decimals								0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	6855a	7684a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST		
	LSD (P=.05)								1290.9	1446.8
	Standard Deviation								884.5	991.4
	CV								14.17	14.17
	Replicate F								2.523	2.523
	Replicate Prob(F)								0.0817	0.0817
	Treatment F								2.720	2.720
	Treatment Prob(F)								0.0275	0.0275

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Comparison of RebelEX with Clincher + Grasp Tankmix

Experiment number	:	**C13-12**
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
Planting date	:	3/27/2013
Harvest date	:	7/30/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A

Application type	:	PRE	POSTFLOOD
Date applied [mm/dd/yy]	:	03/29/13	05/23/13
Time [hh:mm-hh:mm]	:	10:30-10:45am	10:45-10:55am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	65/43	80/81
Relative humidity [%]	:	66	81
Wind [mph, direction]	:	0-5, SSE	3-5, E
Weather [sunny, etc]	:	sunny	sunny
Soil/Leaf surface moist	:	dry/dry	fl/dry
Crop stage/Height	:	N/A	4-5lf/12-15"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
ALRPH(5-7m^{-2})	:	6-12"/15-30lf
CYPES(5-10m^{-2})	:	6-12"/9-15lf
AESIN(7-10m^{-2})……..:	:	4-9"/5-7lf
SEBEX(7-10m^{-2})	:	4-9"/5-7lf
ECHCG(10-20m^{-2})	:	3-4"/3-4lf
BRAPP(15-25M^{-2})	:	3-5"/2-5lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date									May-27-2013	Jun-25-2013	Jul-8-2013	May-27-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									4 DAT	28 DAT	42 DAT	4 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	55a	98a	98a	53a	95a
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	63a	98a	98a	65a	93a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	59a	98a	98a	55a	86a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	63a	98a	98a	60a	91a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	68a	98a	98a	59a	91a
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	61a	98a	98a	58a	86a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	59a	98a	98a	53a	91a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	65a	98a	98a	65a	88a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	65a	98a	97a	60a	91a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									9.5	0.7	0.6	11.1	5.7
Standard Deviation									6.6	0.5	0.4	7.7	3.9
CV									11.78	0.53	0.47	14.54	4.8
Replicate F									1.722	18.458	30.836	1.490	1.600
Replicate Prob(F)									0.1860	0.0001	0.0001	0.2396	0.2126
Treatment F									36.817	17441.239	22454.248	24.665	216.858
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	AESIN	AESIN	AESIN
Rating Date									Jun-25-2013	Jul-8-2013	May-27-2013	Jun-10-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	42 DAT	4 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0c	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	73a	98a	98a
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	59ab	98a	98a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	0c	0b	0b
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	53b	98a	98a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	64ab	98a	98a
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	63ab	98a	98a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	0c	0b	0b
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	61ab	98a	97a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	50b	98a	98a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									0.8	1.2	11.4	0.4	0.8
Standard Deviation									0.6	0.8	7.9	0.3	0.6
CV									0.63	0.91	18.72	0.39	0.81
Replicate F									8.349	4.190	0.814	1.253	7.789
Replicate Prob(F)									0.0004	0.0147	0.4974	0.3101	0.0007
Treatment F									12397.989	5901.035	56.741	122275.038	29368.636
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								AESIN	SEBEX	SEBEX	SEBEX	SEBEX
	Rating Date								Jul-8-2013	May-27-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								42 DAT	4 DAT	14 DAT	28 DAT	42 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	71a	97a	98a	98a
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	63a	98a	98a	98a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0b	0b	13b
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	50a	98a	98a	98a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	58a	98a	98a	98a
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	56a	98a	98a	98a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0b	0b	0b
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	59a	98a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	51a	98a	98a	97a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
	LSD (P=.05)								0.6	18.9	0.8	0.6	11.7
	Standard Deviation								0.4	13.0	0.6	0.4	8.1
	CV								0.64	31.94	0.85	0.6	11.6
	Replicate F								15.783	0.399	1.385	6.587	0.655
	Replicate Prob(F)								0.0001	0.7551	0.2688	0.0017	0.5865
	Treatment F								46393.352	19.488	26441.244	53728.916	125.800
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									ALRPH	ALRPH	ALRPH	ALRPH	CYPES
Rating Date									May-27-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									4 DAT	14 DAT	28 DAT	42 DAT	4 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0d	0b	0d
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	51ab	84ab	93a	95a	24bcd
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	63a	91a	90ab	96a	55a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0d	0c	0d	0b	0d
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	29c	79ab	73b	98a	10cd
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	31c	81ab	80ab	97a	34b
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	44bc	73b	53c	96a	18bcd
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0d	0c	0d	0b	0d
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	55ab	79ab	80ab	97a	24bcd
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	55ab	73b	91ab	96a	31bc
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									13.0	9.2	13.6	2.4	15.6
Standard Deviation									8.9	6.3	9.4	1.7	10.8
CV									27.29	11.33	16.81	2.46	55.17
Replicate F									1.220	0.099	0.664	1.047	1.656
Replicate Prob(F)									0.3215	0.9600	0.5814	0.3876	0.1999
Treatment F									31.005	151.267	73.484	3153.041	11.030
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
Pest Code									CYPES	CYPES	CYPES	RICE	RICE
Rating Date									Jun-10-2013	Jun-25-2013	Jul-8-2013	May-27-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	42 DAT	4 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0b	0a	0a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	74a	95a	98a	0a	0a
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70ab	94a	98a	0a	0a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0c	65ab	98a	0a	0a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	66ab	81ab	98a	0a	0a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	53ab	88ab	98a	0a	0a
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	63ab	52b	73a	0a	0a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0c	0c	0b	0a	0a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	60ab	85ab	98a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	49b	96a	98a	0a	0a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									15.0	25.9	22.5	0.0	0.0
Standard Deviation									10.3	17.9	15.5	0.0	0.0
CV									23.79	27.23	20.51	0.0	0.0
Replicate F									2.605	4.785	0.928	0.000	0.000
Replicate Prob(F)									0.0724	0.0084	0.4405	1.0000	1.0000
Treatment F									35.708	17.457	27.385	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	1.0000

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jun-25-2013	Jul-8-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type									INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
Rating Unit									%	%	cm	cm	cm
Trt-Eval Interval									28 DAT	42 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0
1	Nontreated								0a	0a	102a	103a	103a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	103a	102a	102a
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	102a	101a	101a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	101a	101a	101a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	99a	101a	100a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	100a	99a	100a
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	99a	103a	101a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	102a	100a	101a
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	102a	102a	102a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	100a	102a	101a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL					
	Agridex	100%		1%	v/v	1%	v/v	POSTFL					
LSD (P=.05)									0.0	0.0	6.6	5.8	5.8
Standard Deviation									0.0	0.0	4.5	4.0	4.0
CV									0.0	0.0	4.48	3.94	3.95
Replicate F									0.000	0.000	2.101	3.327	2.928
Replicate Prob(F)									1.0000	1.0000	0.1235	0.0344	0.0517
Treatment F									0.000	0.000	0.414	0.390	0.235
Treatment Prob(F)									1.0000	1.0000	0.9166	0.9294	0.9860

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C13-12 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-12 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-30-2013 YIELD LB/A HARVEST 0	RICE Jul-30-2013 YIELD KG/KG HARVEST 0
									31	32	33	34
1	Nontreated								1428d	19c	4137c	4637c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2694ab	18d	7908ab	8864ab
	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2884a	21a	8162a	9149a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL				
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	1792cd	20b	5134c	5755c
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2221a-d	20b	6361abc	7130abc
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2699ab	18d	7914ab	8871ab
	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2629abc	19c	7616ab	8536ab
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL				
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2179a-d	19c	6315abc	7078abc
	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	1898bcd	19c	5500bc	6165bc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	2243a-d	19c	6501abc	7286abc
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	POSTFL				
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	POSTFL				
	Agridex	100%		1%	v/v	1%	v/v	POSTFL				
LSD (P=.05)									566.2	0.2	1638.5	1836.4
Standard Deviation									390.2	0.1	1129.2	1265.7
CV									17.22	0.55	17.23	17.23
Replicate F									0.867	2.250	0.855	0.855
Replicate Prob(F)									0.4701	0.1053	0.4765	0.4765
Treatment F									5.716	279.000	5.738	5.738
Treatment Prob(F)									0.0002	0.0001	0.0002	0.0002

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Regiment with RiceShot Interactions

Experiment number	:	**C13-13**
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
Planting date	:	3/27/2013
Harvest date	:	7/30/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A
Application type	:	MPOST
Date applied [mm/dd/yy]	:	04/30/13
Time [hh:mm-hh:mm]	:	8:30-8:4am
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	70/65
Relative humidity [%]	:	93
Wind [mph, direction]	:	5-8, SE
Weather [sunny, etc]	:	cloudy
Soil/Leaf surface moist	:	wet/wet
Crop stage/Height	:	3-4lf
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15
GPA/PSI	:	15/23
Applied by	:	EPW
Weed Species (population)	:-	(height/#leaves) -
ECHCG(70-100m^{-2})	:	0.5-2"/1-3lf
BRAPP(125-150m^{-2})	:	0.5-2"/1-4lf
CYPES(6-10m^{-2})……:...	:	2-6"/3-12lf
AESIN(15-20m^{-2})	:	1-3"/1-4lf
SEBEX(2-4m^{-2})	:	1-3"/2-4lf
ALRPH(5-10m^{-2})	:	2-12"/10-40lf
Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date									May-15-2013	May-27-2013	Jun-11-2013	Jun-25-2013	May-15-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	27 DAT	42 DAT	56 DAT	15 DAT
Number of Decimals									0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	91a	98a	96a	96a	96a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97a	98a	98a	97a	97a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	97a	98a	98a	93a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	94a	98a	98a	98a	97a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	73b	83b	96a	93ab	90a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								73b	71c	89b	80c	79b
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								83ab	77bc	94a	88b	90a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								83ab	83b	97a	96a	91a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								88a	91a	96a	97a	92a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0c	0d	0c	0d	0c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									9.1	7.1	4.7	5.4	6.0
Standard Deviation									6.3	4.9	3.2	3.7	4.1
CV									8.07	6.19	3.74	4.4	5.01
Replicate F									0.290	0.659	1.666	2.420	0.700
Replicate Prob(F)									0.8321	0.5847	0.1977	0.0879	0.5605
Treatment F									83.552	144.502	356.358	263.691	203.110
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	AESIN	AESIN
Rating Date									May-27-2013	Jun-11-2013	Jun-25-2013	May-15-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									27 DAT	42 DAT	56 DAT	15 DAT	27 DAT
Number of Decimals									0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	92a	89ab	85a	97a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97a	96a	94a	84a	98a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	97a	94a	97a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	94a	97a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	81b	95a	91ab	91a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								70c	36c	64c	69b	97a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								76b	75b	80b	80a	97a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								83b	96a	91ab	88a	97a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								90a	95a	92ab	89a	98a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0d	0d	0d	0c	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.8	12.0	8.7	10.6	1.4
Standard Deviation									4.0	8.3	6.0	7.3	0.9
CV									5.12	10.64	7.55	9.47	1.07
Replicate F									1.155	0.218	0.136	2.445	0.789
Replicate Prob(F)									0.3450	0.8831	0.9379	0.0857	0.5107
Treatment F									212.374	64.792	97.662	59.190	4319.497
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Pest Code							AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date							Jun-11-2013	Jun-25-2013	May-27-2013	Jun-11-2013	Jun-25-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DAT	56 DAT	27 DAT	42 DAT	56 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	97a	98a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								91b	90b	97a	95a	98a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								98a	96a	98a	96a	98a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								98a	97a	98a	98a	96a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								98a	98a	97a	97a	98a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0c	0c	0b	0b	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									2.7	4.3	1.0	3.6	1.8
Standard Deviation									1.9	3.0	0.7	2.5	1.2
CV									2.13	3.39	0.76	2.82	1.42
Replicate F									0.279	2.958	0.663	1.125	2.062
Replicate Prob(F)									0.8402	0.0501	0.5819	0.3564	0.1288
Treatment F									1089.968	431.038	8642.331	621.121	2454.194
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH	ALRPH	CNPPA
Rating Date								May-15-2013	May-27-2013	Jun-11-2013	Jun-25-2013	May-15-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	27 DAT	42 DAT	56 DAT	15 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	56b	64ab	79a	76a	89a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	66ab	65ab	61abc	74a	89a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	65ab	56ab	71ab	71a	88a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	65ab	63ab	55bcd	43b	90a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	74a	70a	73ab	75a	89a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								26c	54b	33e	53b	65b
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								31c	43c	48cde	45b	71ab
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								31c	40c	41de	39b	60b
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								31c	59ab	30e	46b	75ab
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0d	0d	0f	0c	0c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									10.2	9.3	13.3	15.3	12.2
Standard Deviation									7.0	6.4	9.2	10.5	8.4
CV									15.69	12.5	18.69	20.21	11.76
Replicate F									2.085	1.361	0.139	2.093	0.660
Replicate Prob(F)									0.1256	0.2757	0.9358	0.1246	0.5840
Treatment F									46.637	40.530	27.629	20.072	42.660
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date								May-15-2013	May-27-2013	Jun-11-2013	Jun-25-2013	May-15-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	27 DAT	42 DAT	56 DAT	15 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	58ab	97a	85ab	98a	88a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	56ab	97a	88a	98a	90a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	64a	69b	83abc	98a	91a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	58ab	96a	89a	98a	80ab
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	48abc	73ab	71c	96a	84a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								26d	71ab	74bc	87ab	55c
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								38bcd	39c	81abc	87ab	75ab
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								41bcd	68b	80abc	83b	64bc
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								34cd	86ab	61d	85b	53c
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0e	0d	0e	0c	0d
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									14.3	18.0	8.0	8.1	13.6
Standard Deviation									9.9	12.4	5.5	5.6	9.4
CV									23.39	17.85	7.78	6.73	13.86
Replicate F									3.164	0.102	1.206	0.548	0.252
Replicate Prob(F)									0.0406	0.9583	0.3265	0.6540	0.8593
Treatment F									15.047	23.889	90.522	113.738	34.639
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-15-2013	May-27-2013	Jun-11-2013	Jun-25-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								15 DAT	27 DAT	42 DAT	56 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	15a	0a	0a	0a	105a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	14a	0a	0a	0a	105a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	11a	0a	0a	0a	108a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	16a	0a	0a	0a	107a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	16a	0a	0a	0a	106a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								10a	0a	0a	0a	103a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								14a	0a	0a	0a	107a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								9a	0a	0a	0a	110a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								14a	0a	0a	0a	106a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								0b	0a	0a	0a	84b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.9	0.0	0.0	0.0	10.1
Standard Deviation									4.0	0.0	0.0	0.0	7.0
CV									33.97	0.0	0.0	0.0	6.69
Replicate F									1.882	0.000	0.000	0.000	0.279
Replicate Prob(F)									0.1565	1.0000	1.0000	1.0000	0.8400
Treatment F									5.825	0.000	0.000	0.000	4.333
Treatment Prob(F)									0.0002	1.0000	1.0000	1.0000	0.0014

LSU AgCenter SPESS

Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-30-2013 YIELD LB/A HARVEST 0
									31	32	33	34	35
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	104a	105a	3238a	19b	9221a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	105a	105a	2599a	19b	7398a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	108a	108a	2816a	19b	8017a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	108a	108a	2874a	20a	8086a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	105a	105a	2989a	20a	8413a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								101a	102a	2846a	20a	7994a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	MPOST					
7	No Regiment								107a	107a	3080a	20a	8672a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	MPOST					
8	No Regiment								109a	109a	2667a	20a	7526a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	MPOST					
9	No Regiment								106a	106a	2692a	20a	7569a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	MPOST					
10	No Regiment								87b	85b	1068b	20a	3002b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									7.7	8.4	457.7	0.3	1290.4
Standard Deviation									5.3	5.8	315.5	0.2	889.3
CV									5.13	5.57	11.74	0.97	11.72
Replicate F									0.184	0.217	0.886	1.015	0.882
Replicate Prob(F)									0.9065	0.8837	0.4608	0.4013	0.4626
Treatment F									5.945	5.589	14.543	23.613	14.718
Treatment Prob(F)									0.0001	0.0002	0.0001	0.0001	0.0001

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Regiment with RiceShot Interactions

Trial ID:C13-13 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-13 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36
	Pest Code								RICE
	Rating Date								Jul-30-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	10336a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST	
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8291a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST	
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8985a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST	
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	9063a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST	
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	9430a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST	
6	No Regiment								8960a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST	
7	No Regiment								9720a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST	
8	No Regiment								8435a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST	
9	No Regiment								8484a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST	
10	No Regiment								3365b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST	
	LSD (P=.05)								1446.3
	Standard Deviation								996.8
	CV								11.72
	Replicate F								0.882
	Replicate Prob(F)								0.4626
	Treatment F								14.718
	Treatment Prob(F)								0.0001

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School of Plant, Environmental and Soil Sciences

Regiment with SuperWham Interactions

Experiment number .....: **C13-14**
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 .....: 3/27/2013
Harvest date.....: 7/29/2013
Crop/Variety .....: CL111
Emergence date .....: 4/16/2013
Uniform std. treatment.....: N/A

Application type.....: MPOST
Date applied [mm/dd/yy].....: 05/06/13
Time [hh:mm-hh:mm] .....: 8:45-9:00am
Incorporation equip./Depth ..: N/A
Air/Soil temperature [F].....: 60/56
Relative humidity [%].....: 64
Wind [mph, direction].....: 4-5lf/3-6"
Weather [sunny, etc].....: sunny
Soil/Leaf surface moist .....: dry/dry
Crop stage/Height .....: 4-5lf/3-6"
Sprayer type/MPH .....: CO_2BkPk/3
Nozzle type/Size* .....: AMFF/110015
Boom ht/# Noz/Spacing.....: 15/5/15
GPA/PSI.....: 15/23
Applied by .....: EPW

Weed Species (population)..:- (height/#leaves) -
ECHCG(50-100m^{-2}).....: 0.5-2"/1-4lf
BRAPP(150-200m^{-2}).....: 0.5-2"/1-4lf
AESIN(4-6m^{-2})……..:...: 1-3"/1-6lf
ECLAL(3-6m^{-2}) .....: 1-2"/2-8lf
ALRPH(2-4m^{-2}).....: 3-12"/20-80lf

Flush Dates .....: 4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood.....: 5/17/2013

*AMFF – Air mix flat fan nozzles

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Regiment with SuperWham Interactions

Trial ID:C13-14 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-14 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	ECHCG	ECHCG	AESIN
Rating Date									Jun-10-2013	Jun-24-2013	Jun-10-2013	Jun-24-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									35 DAT	49 DAT	35 DAT	49 DAT	35 DAT
Number of Decimals									0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	94a	85ab	84a	73a	95a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	91a	85ab	81a	74a	97a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	94a	94a	86a	65ab	96a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	94a	91a	89a	66ab	97a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	85ab	75bc	78a	64ab	97a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								70b	56d	48b	53b	45c
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
7	No Regiment								71b	64cd	56b	59ab	93a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	No Regiment								84ab	70bc	74a	63ab	85b
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
9	No Regiment								85ab	73bc	75a	61ab	94a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
10	No Regiment								0c	0e	0c	0c	0d
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									12.1	10.6	12.1	9.9	4.2
Standard Deviation									8.4	7.3	8.3	6.8	2.9
CV									10.89	10.54	12.45	11.86	3.6
Replicate F									0.457	1.017	1.606	1.832	1.156
Replicate Prob(F)									0.7142	0.4004	0.2112	0.1651	0.3448
Treatment F									45.935	55.257	41.748	38.349	504.302
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with SuperWham Interactions

Trial ID:C13-14 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-14 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									AESIN	ALRPH	ALRPH	ECLAL	ECLAL
Rating Date									Jun-24-2013	Jun-10-2013	Jun-24-2013	Jun-10-2013	Jun-24-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									49 DAT	35 DAT	49 DAT	35 DAT	49 DAT
Number of Decimals									0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	52a	71a	97a	94a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	93ab	59a	63a	95a	94a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	58a	65a	93a	94a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	48a	68a	95a	94a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	95a	43a	61a	97a	94a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								85b	41a	46b	90a	66b
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
7	No Regiment								90ab	43a	63a	93a	83a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	No Regiment								90ab	44a	44b	94a	90a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
9	No Regiment								96a	41a	43b	93a	94a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
10	No Regiment								0c	0b	0c	0b	0c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.7	10.7	8.0	4.9	11.6
Standard Deviation									3.9	7.4	5.5	3.4	8.0
CV									4.69	17.24	10.5	4.02	9.97
Replicate F									1.895	0.314	0.692	1.449	0.427
Replicate Prob(F)									0.1543	0.8152	0.5647	0.2505	0.7350
Treatment F									227.803	19.823	58.791	307.616	54.486
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with SuperWham Interactions

Trial ID:C13-14 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-14 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jun-10-2013	Jun-24-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
	Rating Type								INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
	Rating Unit								%	%	cm	cm	cm
	Trt-Eval Interval								35 DAT	49 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	0a	0a	114a	114a	114a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	0a	0a	114a	115a	115a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	0a	0a	112a	114a	113a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	0a	0a	113a	115a	114a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	0a	0a	113a	113a	113a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								0a	0a	108a	116a	112a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
7	No Regiment								0a	0a	114a	107b	110a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	No Regiment								0a	0a	116a	114a	115a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
9	No Regiment								0a	0a	116a	117a	117a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
10	No Regiment								0a	0a	98b	97c	97b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								0.0	0.0	6.3	5.2	5.5
	Standard Deviation								0.0	0.0	4.4	3.6	3.8
	CV								0.0	0.0	3.9	3.22	3.38
	Replicate F								0.000	0.000	1.804	1.194	1.583
	Replicate Prob(F)								1.0000	1.0000	0.1703	0.3307	0.2166
	Treatment F								0.000	0.000	6.158	11.015	8.142
	Treatment Prob(F)								1.0000	1.0000	0.0001	0.0001	0.0001

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Regiment with SuperWham Interactions

Trial ID:C13-14 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-14 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 WEIGHT g HARVEST 0	RICE Jul-29-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 YIELD LB/A HARVEST 0	RICE Jul-29-2013 YIELD KG/HA HARVEST 0
									16	17	18	19
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	2853a	22a	5685a	6372a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	2912a	22a	5801a	6502a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	3107a	22a	6191a	6939a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	3047a	22a	6070a	6804a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	3078a	22a	6134a	6875a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
6	No Regiment								3235a	22a	6445a	7224a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
7	No Regiment								2799a	22a	5578a	6252a
	SuperWham	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
8	No Regiment								3025a	22a	6028a	6756a
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
9	No Regiment								2976a	22a	5930a	6646a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
10	No Regiment								1840b	22a	3666b	4109b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
LSD (P=.05)									350.2	0.0	697.8	782.2
Standard Deviation									241.4	0.0	480.9	539.1
CV									8.36	0.0	8.36	8.36
Replicate F									0.923	0.000	0.923	0.923
Replicate Prob(F)									0.4432	1.0000	0.4432	0.4432
Treatment F									10.410	0.000	10.410	10.410
Treatment Prob(F)									0.0001	1.0000	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Regiment with RiceBeaux Interactions

Experiment number	:	**C13-15**
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	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A
Application type	:	MPOST
Date applied [mm/dd/yy]	:	04/30/13
Time [hh:mm-hh:mm]	:	8:40-8:57am
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	70/65
Relative humidity [%]	:	93
Wind [mph, direction]	:	5-8, SE
Weather [sunny, etc]	:	cloudy
Soil/Leaf surface moist	:	wet/wet
Crop stage/Height	:	3-4lf/4-6"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15
GPA/PSI	:	15/23
Applied by	:	EPW
Weed Species (population)	:-	(height/#leaves) -
ECHCG(70-100m^{-2})	:	0.5-2"/1-3lf
BRAPP(125-150m^{-2})	:	0.5-2"/1-4lf
CYPES(6-10m^{-2})……:…	:	2-6"/3-12lf
AESIN(15-20m^{-2})	:	1-3"/1-4lf
SEBEX(2-4m^{-2})	:	1-3"/2-4lf
ALRPH(5-10m^{-2})	:	2-12"/10-40lf
Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date								May-16-2013	May-27-2013	Jun-11-2013	Jun-25-2013	May-16-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	27 DAT	42 DAT	56 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	93ab	98a	97a	97a	97a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	95ab	97a	98a	98a	97a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97a	98a	98a	98a	98a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	97a	98a	97a	97a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	75c	96a	96a	98a	95a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								89b	97a	96a	97a	93a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								90ab	98a	98a	98a	93a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								95ab	97a	98a	98a	97a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								97a	98a	98a	98a	98a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0d	0b	0b	0b	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									4.7	2.3	2.8	0.9	3.2
Standard Deviation									3.2	1.6	1.9	0.6	2.2
CV									3.92	1.81	2.2	0.73	2.55
Replicate F									2.540	0.434	0.450	9.246	1.490
Replicate Prob(F)									0.0775	0.7307	0.7194	0.0002	0.2396
Treatment F									337.203	1503.320	1019.358	9339.370	762.098
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	AESIN	AESIN
Rating Date									May-27-2013	Jun-11-2013	Jun-25-2013	May-16-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									27 DAT	42 DAT	56 DAT	16 DAT	27 DAT
Number of Decimals									0	0	0	0	0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	93a	98a	95ab	98a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	97a	97ab	98a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97ab	98a	98a	98a	97a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	97a	97ab	98a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97ab	91a	97a	95ab	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								95b	91a	93a	93b	97a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								97ab	96a	98a	93b	98a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								98ab	97a	98a	97ab	98a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								98a	98a	98a	97ab	98a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0c	0b	0b	0c	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									2.0	5.4	4.2	3.3	1.0
Standard Deviation									1.3	3.7	2.9	2.3	0.7
CV									1.54	4.34	3.33	2.64	0.81
Replicate F									1.450	0.524	0.879	1.357	0.667
Replicate Prob(F)									0.2502	0.6696	0.4641	0.2769	0.5798
Treatment F									2092.065	263.742	445.927	713.385	7615.534
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date								Jun-11-2013	Jun-25-2013	May-27-2013	Jun-11-2013	Jun-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								42 DAT	56 DAT	27 DAT	42 DAT	56 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	97a	98a	98a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	97a	98a	98a	98a	98a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	97a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	98a	98a	98a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								95a	98a	98a	97a	98a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								98a	97a	98a	98a	98a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								98a	98a	98a	97a	98a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								97a	97a	98a	98a	98a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0b	0b	0b	0b	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									1.9	0.8	1.0	1.0	0.6
Standard Deviation									1.3	0.5	0.7	0.7	0.4
CV									1.52	0.6	0.77	0.76	0.46
Replicate F									2.934	7.555	0.198	7.211	20.665
Replicate Prob(F)									0.0514	0.0008	0.8966	0.0010	0.0001
Treatment F									2130.897	13774.968	8254.179	8518.268	23008.913
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH	ALRPH	CYPES
Rating Date								May-16-2013	May-27-2013	Jun-11-2013	Jun-25-2013	May-16-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	27 DAT	42 DAT	56 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	74a	89a	69a	92a	66a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	61a	73bc	35cd	89a	66a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	65a	86ab	49bc	90a	64a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	64a	91a	56b	91a	68a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	73a	88ab	51bc	88a	39b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								48b	68c	28d	69b	48b
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								45b	81abc	40bcd	80ab	63a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								59a	80abc	45bc	88a	64a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								71a	90a	46bc	88a	66a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0c	0d	0e	0c	0c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									10.1	10.5	12.2	11.9	11.8
Standard Deviation									7.0	7.3	8.4	8.2	8.1
CV									12.5	9.75	20.02	10.57	14.95
Replicate F									5.993	1.105	1.764	2.396	5.134
Replicate Prob(F)									0.0029	0.3641	0.1777	0.0902	0.0061
Treatment F									39.413	56.505	19.636	46.958	27.617
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPIR	ECLAL
Rating Date								May-27-2013	Jun-11-2013	Jun-25-2013	May-16-2013	May-16-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								27 DAT	42 DAT	56 DAT	16 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	90a	89a	98a	94a	98a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	90a	83a	98a	96a	98a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	93a	88a	98a	96a	97a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	96a	90a	97a	95a	97a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	92a	85a	98a	90a	96a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								87a	51b	98a	90a	93a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								90a	85a	98a	90a	96a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								89a	81a	98a	95a	97a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								94a	80a	94b	94a	95a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0b	0c	0c	0b	0b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									7.5	8.2	2.2	4.1	2.9
Standard Deviation									5.2	5.7	1.5	2.8	2.0
CV									6.35	7.76	1.75	3.37	2.32
Replicate F									3.534	2.452	0.464	1.134	0.312
Replicate Prob(F)									0.0280	0.0850	0.7095	0.3530	0.8167
Treatment F									123.517	97.236	1609.920	436.693	915.996
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-16-2013	May-27-2013	Jun-11-2013	Jun-25-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								16 DAT	27 DAT	42 DAT	56 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	19a	0a	0a	0a	106a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	14ab	0a	0a	0a	105a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	16ab	0a	0a	0a	104a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	14ab	0a	0a	0a	105a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	15ab	0a	0a	0a	103a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
6	No Regiment								14ab	0a	0a	0a	105a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								14ab	0a	0a	0a	105a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								13b	0a	0a	0a	106a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								14ab	0a	0a	0a	103a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								0c	0a	0a	0a	93b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									3.6	0.0	0.0	0.0	7.6
Standard Deviation									2.5	0.0	0.0	0.0	5.2
CV									19.08	0.0	0.0	0.0	5.04
Replicate F									1.959	0.000	0.000	0.000	0.527
Replicate Prob(F)									0.1439	1.0000	1.0000	1.0000	0.6676
Treatment F									15.554	0.000	0.000	0.000	2.321
Treatment Prob(F)									0.0001	1.0000	1.0000	1.0000	0.0439

LSU AgCenter SPESS

Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-31-2013	Jul-31-2013	Jul-31-2013
Rating Type								HEIGHT	AVG HT	WEIGHT	MOISTURE	YIELD
Rating Unit								cm	cm	g	%	LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	106a	106a	2776a	22a	7470a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	104a	104a	2919a	22a	7854a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	106a	105a	2916a	22a	7846a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	104a	104a	2848a	22a	7663a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	107a	105a	2690a	22a	7237a
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	MPOST					
6	No Regiment								107a	106a	2810a	22a	7560a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST					
7	No Regiment								104a	105a	2059a	22a	5540a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST					
8	No Regiment								105a	105a	2348a	22a	6317a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST					
9	No Regiment								104a	104a	2272a	22a	6113a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST					
10	No Regiment								93b	93b	1240b	22a	3337b
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	MPOST					
LSD (P=.05)									7.5	7.2	566.9	0.0	1525.3
Standard Deviation									5.2	5.0	390.7	0.0	1051.2
CV									5.0	4.82	15.7	0.0	15.7
Replicate F									0.352	0.417	0.762	0.000	0.762
Replicate Prob(F)									0.7881	0.7424	0.5253	1.0000	0.5253
Treatment F									2.459	2.490	7.376	0.000	7.376
Treatment Prob(F)									0.0341	0.0322	0.0001	1.0000	0.0001

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Regiment with RiceBeaux Interactions

Trial ID:C13-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-15 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36
	Pest Code								RICE
	Rating Date								Jul-31-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8373a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST	
2	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8803a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST	
3	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8794a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST	
4	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8589a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST	
5	Regiment	80%		0.025	lb ai/a	0.5	oz/a	MPOST	8111a
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	MPOST	
6	No Regiment								8473a
	RiceBeaux	3LB/GAL		1	lb ai/a	1.33	qt/a	MPOST	
7	No Regiment								6210a
	RiceBeaux	3LB/GAL		2	lb ai/a	2.67	qt/a	MPOST	
8	No Regiment								7081a
	RiceBeaux	3LBA/GAL		3	lb ai/a	4	qt/a	MPOST	
9	No Regiment								6852a
	RiceBeaux	3LBA/GAL		4	lb ai/a	5.33	qt/a	MPOST	
10	No Regiment								3740b
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	MPOST	
	LSD (P=.05)								1709.6
	Standard Deviation								1178.3
	CV								15.7
	Replicate F								0.762
	Replicate Prob(F)								0.5253
	Treatment F								7.376
	Treatment Prob(F)								0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Grasp and Grasp Xtra Adjuvant Trial

Experiment number	:	**C13-16**
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
Planting date	:	3/27/2013
Harvest date	:	7/30/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A
Application type	:	MPOST
Date applied [mm/dd/yy]	:	05/13/13
Time [hh:mm-hh:mm]	:	9:45-10:00am
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	67/66
Relative humidity [%]	:	46
Wind [mph, direction]	:	8-12, E
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	wet/dry
Crop stage/Height	:	4-6lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15
GPA/PSI	:	15/23
Applied by	:	JCF
Weed Species (population)	:-	(height/#leaves) -
AESIN(20-40m^{-2})	:	2-6"/2-7lf
BRAPP(50-70m^{-2})	:	0.5-4"/2-5lf
CYPIR(50-100m^{-2})	:	0.5-1"/3-6lf
CYPES(5-10m^{-2})	:	0.5-4"/3-6lf
ECHCG(20-40m^{-2})	:	0.5-2"/2-3lf
ALRPH(5-10m^{-2})	:	2-8"/10-30lf
Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	ECHCG	ECHCG	ECHCG
Rating Date								Jun-10-2013	Jun-25-2013	May-23-2013	Jun-10-2013	Jun-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAY	43 DAT	10 DAT	28 DAY	43 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	59a	48a	83a	73a	92a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	41a	38a	76a	75a	89a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	38a	31a	75a	75a	93a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	43a	44a	73a	74a	84a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	48a	44a	75a	75a	93a
	No Adjuvant												
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	36a	45a	78a	81a	93a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	45a	43a	74a	71a	88a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	40a	36a	80a	78a	92a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	45a	44a	76a	76a	88a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	38a	43a	76a	74a	85a
	No Adjuvant												
11	Nontreated								0b	0b	0b	0b	0b
LSD (P=.05)									25.2	19.1	14.1	10.1	8.8
Standard Deviation									17.5	13.2	9.8	7.0	6.1
CV									44.55	35.17	14.05	10.26	7.49
Replicate F									1.919	2.271	1.349	0.135	1.854
Replicate Prob(F)									0.1477	0.1005	0.2771	0.9384	0.1587
Treatment F									2.735	4.045	22.619	42.345	79.431
Treatment Prob(F)									0.0161	0.0014	0.0001	0.0001	0.0001

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Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date									May-23-2013	Jun-10-2013	Jun-25-2013	May-23-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									10 DAT	28 DAY	43 DAT	10 DAT	28 DAY
Number of Decimals									0	0	0	0	0
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	98a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	98a	98a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	98a	98a	97a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	98a	98a	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	96a	96a	98a	98a	96a
	No Adjuvant												
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	97a	98a	98a	97a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	98a	97a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	98a	98a	98a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	98a	98a	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	94a	96a	98a	97a	98a
	No Adjuvant												
11	Nontreated								0b	0b	0b	0b	0b
LSD (P=.05)									3.4	2.3	0.7	1.3	1.7
Standard Deviation									2.4	1.6	0.5	0.9	1.2
CV									2.67	1.82	0.56	1.01	1.36
Replicate F									1.184	2.222	25.333	2.820	1.000
Replicate Prob(F)									0.3324	0.1060	0.0001	0.0557	0.4064
Treatment F									618.474	1324.000	13842.020	4285.241	2392.200
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX Jun-25-2013 CONTROL % 43 DAT 0	ALRPH May-23-2013 CONTROL % 10 DAT 0	CYPES Jun-10-2013 CONTROL % 28 DAY 0	CYPES Jun-25-2013 CONTROL % 43 DAT 0	CYPIR Jun-10-2013 CONTROL % 28 DAY 0
									11	12	13	14	15
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	90a	88a	97a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	91a	88a	93a	97a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	90a	86a	96a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	88a	86a	94a	96a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	90a	90a	95a	97a
	No Adjuvant												
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	88a	89a	93a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	89a	93a	94a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	89a	91a	96a	97a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	90a	93a	95a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	90a	86a	93a	97a
	No Adjuvant												
11	Nontreated								0b	0b	0b	0b	0b
LSD (P=.05)									0.6	4.1	8.0	3.5	1.4
Standard Deviation									0.4	2.8	5.5	2.4	1.0
CV									0.44	3.45	6.83	2.8	1.08
Replicate F									24.444	0.841	1.843	4.152	4.300
Replicate Prob(F)									0.0001	0.4820	0.1607	0.0142	0.0123
Treatment F									23117.487	369.346	95.059	561.285	3784.180
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Pest Code								CYPIR	RICE	RICE	RICE	RICE
Rating Date								Jun-25-2013	May-23-2013	Jun-10-2013	Jun-25-2013	Jul-29-2013
Rating Type								CONTROL	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								43 DAT	10 DAT	28 DAY	43 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	0a	0a	0a	96a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	0a	0a	0a	95a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	0a	0a	0a	93a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	0a	0a	0a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	98a	0a	0a	0a	92a
	No Adjuvant												
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	0a	0a	0a	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	0a	0a	0a	96a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	0a	0a	0a	99a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	0a	0a	0a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	97a	0a	0a	0a	99a
	No Adjuvant												
11	Nontreated								0b	0a	0a	0a	91a
LSD (P=.05)									0.7	0.0	0.0	0.0	5.8
Standard Deviation									0.5	0.0	0.0	0.0	4.0
CV									0.52	0.0	0.0	0.0	4.21
Replicate F									23.936	0.000	0.000	0.000	3.669
Replicate Prob(F)									0.0001	1.0000	1.0000	1.0000	0.0231
Treatment F									16223.129	0.000	0.000	0.000	1.894
Treatment Prob(F)									0.0001	1.0000	1.0000	1.0000	0.0862

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Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-29-2013 LENGTH ft HARVEST 2	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 2
									21	22	23	24	25
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	96a	96a	12.04a	1825ab	18.70e
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	95a	95a	12.04a	1934ab	19.30a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	95a	94a	12.04a	2037ab	18.40g
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	97a	12.04a	1483bc	19.10b
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	97a	94a	12.04a	1504bc	18.70e
	No Adjuvant												
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	96a	95a	12.04a	2472a	18.90d
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	99a	97a	12.04a	1322bc	18.50f
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	95a	97a	12.04a	2165ab	19.00c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	97a	97a	12.04a	1539bc	19.00c
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	98a	98a	12.04a	1857ab	19.00c
	No Adjuvant												
11	Nontreated								90a	90a	12.04a	927c	19.00c
LSD (P=.05)									5.8	5.6	0.000	545.1	0.000
Standard Deviation									4.0	3.8	0.000	377.5	0.000
CV									4.22	4.02	0.0	21.78	0.0
Replicate F									1.201	2.433	0.000	1.363	0.000
Replicate Prob(F)									0.3263	0.0843	1.0000	0.2729	1.0000
Treatment F									1.315	1.410	0.000	5.220	0.000
Treatment Prob(F)									0.2673	0.2234	1.0000	0.0002	1.0000

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Grasp and Grasp Xtra Adjuvant Trial

Trial ID:C13-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-16 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 YIELD LB/A HARVEST 0	RICE Jul-30-2013 YIELD KG/HA HARVEST 0
1	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	5380ab	6030ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST		
2	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	5657ab	6341ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST		
3	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	6026ab	6754ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST		
4	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	4350bc	4875bc
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST		
5	Grasp	2	LBA/GAL	0.0313	lb ai/a	2.0	oz/a	MPOST	4432bc	4967bc
	No Adjuvant									
6	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	7267a	8145a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST		
7	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	3906bc	4378bc
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST		
8	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	6356ab	7125ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST		
9	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	4520bc	5067bc
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST		
10	Grasp Xtra	1.75	LBA/GAL	0.246	lb ai/a	18	oz/a	MPOST	5454ab	6113ab
	No Adjuvant									
11	Nontreated								2722c	3050c
LSD (P=.05)									1605.5	1799.5
Standard Deviation									1111.9	1246.3
CV									21.81	21.81
Replicate F									1.365	1.365
Replicate Prob(F)									0.2724	0.2724
Treatment F									5.201	5.201
Treatment Prob(F)									0.0002	0.0002

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Permit and Permit Plus Adjuvant Trial

Experiment number	:	**C13-17**
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
Planting date	:	3/27/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Command at 13.8 oz/A PRE; Clincher at 15 oz/A PostFlood

Application type	:	PRE	MPOST
Date applied [mm/dd/yy]	:	03/29/13	04/30/13
Time [hh:mm-hh:mm]	:	9:00-9:30am	9:10-9:26am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	53/41	70/65
Relative humidity [%]	:	89	93
Wind [mph, direction]	:	0-2, SSE	5-8, SE
Weather [sunny, etc]	:	cloudy	cloudy
Soil/Leaf surface moist	:	dry/dry	wet/wet
Crop stage/Height	:	N/A	N/A
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	EPW

Weed Species (population)	:---------- (height/#leaves) ----------	
AESIN(20-25m^{-2})	:	0.5-3"/1-6lf
CYPES(30-35m^{-2})	:	2-6"/3-9lf
ALRPH(5-8m^{-2})	:	3-12"/6-70lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	AESIN	AESIN	AESIN	AESIN
	Rating Date								May-15-2013	May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								15 DAT	15 DAT	26 DAT	42 DAT	56 DAT
	Number of Decimals								0	0	0	0	0
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	50ab	96a	97a	97a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	53ab	96a	97a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	28b	96a	98a	97a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	35ab	96a	97a	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	51ab	94a	97a	98a	97a
	No Adjuvant												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	50ab	96a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	43ab	95a	98a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	50ab	95a	98a	98a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	40ab	96a	98a	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	68a	94a	98a	97a	98a
	No Adjuvant												
11	Nontreated								0c	0b	0b	0b	0b
	LSD (P=.05)								20.8	1.8	1.1	1.1	0.7
	Standard Deviation								14.4	1.2	0.7	0.8	0.5
	CV								34.02	1.44	0.84	0.87	0.55
	Replicate F								1.889	3.320	2.692	1.250	1.344
	Replicate Prob(F)								0.1527	0.0330	0.0638	0.3092	0.2788
	Treatment F								5.892	2125.723	6262.682	5794.698	14370.151
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								SEBEX	SEBEX	ALRPH	ALRPH	ALRPH
	Rating Date								May-15-2013	May-26-2013	May-15-2013	May-26-2013	Jun-11-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								15 DAT	26 DAT	15 DAT	26 DAT	42 DAT
	Number of Decimals								0	0	0	0	0
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	98a	98a	20ab	45ab	48ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	98a	97a	30a	44ab	49ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	97a	0b	28b	39b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	97a	4b	39ab	46ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	98a	25a	40ab	49ab
	No Adjuvant												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	98a	98a	38a	61a	64a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	98a	40a	55ab	65a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	98a	40a	51ab	53ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	97a	97a	30a	49ab	50ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	96a	98a	33a	55ab	66a
	No Adjuvant												
11	Nontreated								0b	0b	0b	0c	0c
	LSD (P=.05)								1.8	1.1	16.2	18.6	12.6
	Standard Deviation								1.2	0.8	11.2	12.8	8.7
	CV								1.41	0.86	47.67	30.32	18.21
	Replicate F								1.195	0.659	0.920	0.233	0.765
	Replicate Prob(F)								0.3285	0.5838	0.4428	0.8728	0.5226
	Treatment F								2229.732	5887.140	7.684	6.877	17.250
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									ALRPH	CYPES	CYPES	CYPES	CYPES
Rating Date									Jun-25-2013	May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									56 DAT	15 DAT	26 DAT	42 DAT	56 DAT
Number of Decimals									0	0	0	0	0
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	31ab	81a	98ab	97a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	30ab	74a	97ab	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	24b	74a	96b	97a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	26ab	74a	97ab	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	33ab	68a	97ab	98a	98a
	No Adjuvant												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	35ab	69a	97ab	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	39a	68a	98a	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	28ab	75a	97ab	98a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	35ab	75a	97ab	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	33ab	76a	98a	98a	98a
	No Adjuvant												
11	Nontreated								0c	0b	0c	0b	0b
LSD (P=.05)									9.0	10.9	1.0	0.9	0.4
Standard Deviation									6.2	7.6	0.7	0.6	0.3
CV									21.9	11.38	0.78	0.68	0.33
Replicate F									1.194	2.254	0.823	2.222	1.379
Replicate Prob(F)									0.3289	0.1024	0.4917	0.1060	0.2681
Treatment F									11.078	35.112	7313.362	9457.396	39660.314
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								15 DAT	26 DAT	42 DAT	56 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	1b	0a	0a	115a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	5a	0a	0a	117a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	1b	0a	0a	115a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	113a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	1b	0a	0a	116a
	No Adjuvant												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	116a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	114a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	113a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	114a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	0a	0b	0a	0a	114a
	No Adjuvant												
11	Nontreated								0a	0b	0a	0a	109a
LSD (P=.05)									0.0	2.2	0.0	0.0	5.5
Standard Deviation									0.0	1.6	0.0	0.0	3.8
CV									0.0	195.74	0.0	0.0	3.36
Replicate F									0.000	4.609	0.000	0.000	1.875
Replicate Prob(F)									1.0000	0.0091	1.0000	1.0000	0.1552
Treatment F									0.000	3.750	0.000	0.000	1.091
Treatment Prob(F)									1.0000	0.0024	1.0000	1.0000	0.3993

LSU AgCenter SPESS

Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-29-2013 WEIGHT g HARVEST 0	RICE Jul-29-2013 MOISTURE % HARVEST 2	RICE Jul-29-2013 YIELD LB/A HARVEST 0
									21	22	23	24	25
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	117a	116a	3297ab	21.04a	8582ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	116a	116a	3043ab	21.04a	7921ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	118a	116a	3475ab	21.04a	9046ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	114a	114a	3411ab	21.04a	8879ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	116a	116a	3870a	21.04a	10075a
	No Adjuvant												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	114a	115a	3558ab	21.04a	9262ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	117a	116a	3740a	21.04a	9736a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	115a	114a	3388ab	21.04a	8820ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	116a	115a	3513ab	21.04a	9145ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	115a	114a	3576ab	21.04a	9309ab
	No Adjuvant												
11	Nontreated								113a	111a	2743b	21.04a	7139b
LSD (P=.05)									5.8	4.9	556.7	0.000	1449.3
Standard Deviation									4.0	3.4	385.6	0.000	1003.7
CV									3.49	2.93	11.28	0.0	11.28
Replicate F									0.247	0.997	3.842	0.000	3.842
Replicate Prob(F)									0.8627	0.4077	0.0193	1.0000	0.0193
Treatment F									0.472	0.829	2.631	0.000	2.631
Treatment Prob(F)									0.8952	0.6046	0.0197	1.0000	0.0197

LSU AgCenter SPESS

Permit and Permit Plus Adjuvant Trial

Trial ID:C13-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-17 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26
	Pest Code								RICE
	Rating Date								Jul-29-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	9619ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST	
2	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	8878ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST	
3	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	10140ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST	
4	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	9952ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST	
5	Permit	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	11293a
	No Adjuvant								
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	10381ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST	
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	10913a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST	
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	9886ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST	
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	10250ab
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST	
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	MPOST	10434ab
	No Adjuvant								
11	Nontreated								8002b
	LSD (P=.05)								1624.4
	Standard Deviation								1125.0
	CV								11.28
	Replicate F								3.842
	Replicate Prob(F)								0.0193
	Treatment F								2.631
	Treatment Prob(F)								0.0197

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Strada Pro and Strada XT Adjuvant Trial

Experiment number	:	**C13-18**
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
Planting date	:	3/27/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Command at 13.8 oz/A PRE; Clincher at 15 oz/A PostFlood

Application type	:	PRE	MPOST
Date applied [mm/dd/yy]	:	03/29/13	04/30/13
Time [hh:mm-hh:mm]	:	9:00-9:30am	9:35-9:50am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	53/41	71/65
Relative humidity [%]	:	89	93
Wind [mph, direction]	:	0-2, SSE	5-8, SE
Weather [sunny, etc]	:	cloudy	cloudy
Soil/Leaf surface moist	:	dry/dry	wet/wet
Crop stage/Height	:	N/A	3-4lf/4-7"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	EPW

Weed Species (population)	:---------- (height/#leaves) ----------	
AESIN(20-25m^{-2})	:	0.5-3"/1-6lf
CYPES(20-35m^{-2})	:	2-6"/3-9lf
ALRPH(5-8m^{-2})	:	3-12"/6-20lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Strada Pro and Strada XL Adjuvant Trial

Trial ID:C13-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-18 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	SEBEX
Rating Date									May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013	May-15-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	26 DAT	42 DAT	56 DAT	15 DAT
Number of Decimals									0	0	0	0	0
1	Strada Pro					2.08	oz/a	MPOST	95a	97a	97ab	98a	97ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Strada Pro					2.08	oz/a	MPOST	95a	98a	97ab	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Strada Pro					2.08	oz/a	MPOST	95a	98a	98a	98a	96b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Strada Pro					2.08	oz/a	MPOST	95a	98a	97ab	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Strada Pro					2.08	oz/a	MPOST	95a	97a	93ab	98a	98a
	No Adjuvant												
6	Strada XL					6.5	oz/a	MPOST	95a	97a	97ab	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Strada XL					6.5	oz/a	MPOST	97a	97a	97ab	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Strada XL					6.5	oz/a	MPOST	97a	98a	95ab	98a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Strada XL					6.5	oz/a	MPOST	96a	98a	98a	98a	98a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Strada XL					6.5	oz/a	MPOST	90b	98a	86b	98a	97a
	No Adjuvant												
11	Nontreated								0c	0b	0c	0b	0c
LSD (P=.05)									1.9	1.3	6.9	0.4	1.2
Standard Deviation									1.3	0.9	4.8	0.3	0.9
CV									1.53	0.99	5.52	0.34	0.96
Replicate F									1.057	0.502	0.792	5.583	0.377
Replicate Prob(F)									0.3818	0.6838	0.5080	0.0036	0.7700
Treatment F									1885.073	4466.717	146.671	38280.604	4791.164
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Strada Pro and Strada XL Adjuvant Trial

Trial ID:C13-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-18 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date									May-26-2013	May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									26 DAT	15 DAT	26 DAT	42 DAT	56 DAT
Number of Decimals									0	0	0	0	0
1	Strada Pro					2.08	oz/a	MPOST	97a	45a	60bc	33a	39a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Strada Pro					2.08	oz/a	MPOST	96a	58a	49cd	39a	38a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Strada Pro					2.08	oz/a	MPOST	97a	39a	55bc	45a	38a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Strada Pro					2.08	oz/a	MPOST	98a	53a	46cd	38a	39a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Strada Pro					2.08	oz/a	MPOST	97a	48a	35d	30a	38a
	No Adjuvant												
6	Strada XL					6.5	oz/a	MPOST	97a	45a	70ab	36a	30a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Strada XL					6.5	oz/a	MPOST	98a	30a	83a	35a	33a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Strada XL					6.5	oz/a	MPOST	98a	45a	85a	38a	39a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Strada XL					6.5	oz/a	MPOST	98a	55a	88a	41a	40a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Strada XL					6.5	oz/a	MPOST	97a	43a	83a	34a	31a
	No Adjuvant												
11	Nontreated								0b	0b	0e	0b	0b
LSD (P=.05)									1.2	18.2	13.5	14.3	9.1
Standard Deviation									0.8	12.6	9.3	9.9	6.3
CV									0.95	30.18	15.73	29.74	19.23
Replicate F									1.118	2.241	0.775	0.130	3.491
Replicate Prob(F)									0.3572	0.1039	0.5172	0.9412	0.0277
Treatment F									4887.607	6.298	32.431	5.662	13.053
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Strada Pro and Strada XL Adjuvant Trial

Trial ID:C13-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-18 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPES	RICE
Rating Date								May-15-2013	May-26-2013	Jun-11-2013	Jun-25-2013	May-15-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	26 DAT	42 DAT	56 DAT	15 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Strada Pro					2.08	oz/a	MPOST	68a	95a	97a	98a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Strada Pro					2.08	oz/a	MPOST	76a	93a	95a	98a	0a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Strada Pro					2.08	oz/a	MPOST	76a	96a	97a	98a	0a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Strada Pro					2.08	oz/a	MPOST	79a	94a	97a	98a	0a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Strada Pro					2.08	oz/a	MPOST	80a	93a	90b	88a	0a
	No Adjuvant												
6	Strada XL					6.5	oz/a	MPOST	58a	55b	65c	73b	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Strada XL					6.5	oz/a	MPOST	33b	61b	31d	71b	0a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Strada XL					6.5	oz/a	MPOST	31b	53b	35d	66b	0a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Strada XL					6.5	oz/a	MPOST	33b	53b	38d	68b	0a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Strada XL					6.5	oz/a	MPOST	35b	55b	35d	63b	0a
	No Adjuvant												
11	Nontreated								0c	0c	0e	0c	0a
LSD (P=.05)									16.5	12.7	5.0	8.2	0.0
Standard Deviation									11.4	8.8	3.4	5.7	0.0
CV									22.14	12.98	5.56	7.63	0.0
Replicate F									1.818	0.291	1.521	1.083	0.000
Replicate Prob(F)									0.1652	0.8316	0.2292	0.3712	1.0000
Treatment F									21.857	45.821	419.878	101.224	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Strada Pro and Strada XL Adjuvant Trial

Trial ID:C13-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-18 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-26-2013	Jun-11-2013	Jun-25-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								26 DAT	42 DAT	56 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Strada Pro					2.08	oz/a	MPOST	0a	0a	0a	118a	119a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Strada Pro					2.08	oz/a	MPOST	0a	0a	0a	117a	115a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
3	Strada Pro					2.08	oz/a	MPOST	1a	0a	0a	115a	114a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
4	Strada Pro					2.08	oz/a	MPOST	3a	0a	0a	116a	114a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
5	Strada Pro					2.08	oz/a	MPOST	1a	0a	0a	115a	117a
	No Adjuvant												
6	Strada XL					6.5	oz/a	MPOST	0a	0a	0a	117a	117a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Strada XL					6.5	oz/a	MPOST	3a	0a	0a	116a	118a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
8	Strada XL					6.5	oz/a	MPOST	0a	0a	0a	114a	111a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST					
9	Strada XL					6.5	oz/a	MPOST	0a	0a	0a	113a	112a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST					
10	Strada XL					6.5	oz/a	MPOST	5a	0a	0a	117a	117a
	No Adjuvant												
11	Nontreated								0a	0a	0a	116a	120a
LSD (P=.05)									3.7	0.0	0.0	6.5	5.8
Standard Deviation									2.6	0.0	0.0	4.5	4.1
CV									226.57	0.0	0.0	3.91	3.5
Replicate F									1.943	0.000	0.000	0.523	1.156
Replicate Prob(F)									0.1440	1.0000	1.0000	0.6697	0.3426
Treatment F									1.594	0.000	0.000	0.422	1.838
Treatment Prob(F)									0.1563	1.0000	1.0000	0.9247	0.0963

LSU AgCenter SPESS

Strada Pro and Strada XL Adjuvant Trial

Trial ID:C13-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-18 Investigator:Eric P. Webster

Pest Code									RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type									AVG HT	WEIGHT	MOISTURE	YIELD	YIELD	LENGTH
Rating Unit									cm	g	%	LB/A	KG/HA	ft
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	2	0	0	2
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25	26
1	Strada Pro					2.08	oz/a	MPOST	119a	3177a	18.75a	8308a	9312a	13.56a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
2	Strada Pro					2.08	oz/a	MPOST	116a	3463a	18.75a	9058a	10153a	13.56a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST						
3	Strada Pro					2.08	oz/a	MPOST	114a	2991a	18.75a	7822a	8768a	13.56a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST						
4	Strada Pro					2.08	oz/a	MPOST	115a	3724a	18.75a	9741a	10918a	13.56a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST						
5	Strada Pro					2.08	oz/a	MPOST	116a	3064a	18.75a	8013a	8982a	13.56a
	No Adjuvant													
6	Strada XL					6.5	oz/a	MPOST	117a	3163a	18.75a	8273a	9273a	13.56a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
7	Strada XL					6.5	oz/a	MPOST	117a	3574a	18.75a	9349a	10478a	13.56a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST						
8	Strada XL					6.5	oz/a	MPOST	113a	3459a	18.75a	9046a	10139a	13.56a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST						
9	Strada XL					6.5	oz/a	MPOST	113a	2930a	18.75a	7664a	8590a	13.56a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST						
10	Strada XL					6.5	oz/a	MPOST	117a	3068a	18.75a	8024a	8994a	13.56a
	No Adjuvant													
11	Nontreated								118a	1997b	18.75a	5222b	5853b	13.56a
LSD (P=.05)									5.6	544.9	0.000	1425.2	1597.4	0.000
Standard Deviation									3.9	377.4	0.000	987.0	1106.3	0.000
CV									3.33	11.99	0.0	11.99	11.99	0.0
Replicate F									0.899	0.725	0.000	0.725	0.725	0.000
Replicate Prob(F)									0.4533	0.5448	1.0000	0.5448	0.5448	1.0000
Treatment F									1.010	5.961	0.000	5.961	5.961	0.000
Treatment Prob(F)									0.4575	0.0001	1.0000	0.0001	0.0001	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Sharpen and League Adjuvant Trial

Experiment number	**C13-19**	
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	
Planting date	3/27/2013	
Harvest date	7/29/2013	
Crop/Variety	CL111	
Emergence date	4/16/2013	
Uniform std. treatment	Command at 12.8 oz/A	
Application type	PRE	MPOST
Date applied [mm/dd/yy]	03/29/13	05/06/13
Time [hh:mm-hh:mm]	8:30-8:45am	9:00-9:15am
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	46/39	60/56
Relative humidity [%]	93	64
Wind [mph, direction]	0-2, SSE	5-8, W
Weather [sunny, etc]	cloudy	sunny
Soil/Leaf surface moist	dry/dry	dry/dry
Crop stage/Height	N/A	4-5lf/3-6"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/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	EPW	EPW
Weed Species (population)	---------- (height/#leaves) ----------	
CYPES(2-4m^{-2})		2-4"/3-6lf
AESIN(10-15m^{-2})	:	0.5-2"/cot-4lf
ALRPH(3-5m^{-2})		2-12"/20-80lf
Flush Dates	4/26/2013, 5/3/2013, 5/10/2013	
Permanent Flood	5/17/2013	

*AMFF – Air mix flat fan nozzles

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Sharpen and League Adjuvant Trial

Trial ID:C13-19 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-19 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
Pest Code									AESIN	AESIN	AESIN	ALRPH
Rating Date									May-27-2013	Jun-10-2013	Jun-24-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTRL	CONTROL
Rating Unit									%	%	%	%
Trt-Eval Interval									21 DAT	35 DAT	49 DAT	21 DAT
Number of Decimals									0	0	0	0
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	93ab	97a	97a	46a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	93ab	97a	84a	44a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	97a	98a	98a	49a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	95a	98a	97a	49a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	81c	81b	97a	35a
	No Adjuvant											
6	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	93ab	97a	98a	54a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
7	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	94ab	98a	97a	44a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
8	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	96a	98a	96a	53a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
9	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	92ab	98a	97a	49a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
10	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	86bc	94a	97a	40a
	No Adjuvant											
11	Nontreated								0d	0c	0b	0b
LSD (P=.05)									5.3	7.2	11.5	12.2
Standard Deviation									3.7	5.0	8.0	8.4
CV									4.41	5.75	9.15	20.08
Replicate F									3.527	0.751	0.991	1.782
Replicate Prob(F)									0.0266	0.5304	0.4106	0.1719
Treatment F									232.061	137.085	53.579	12.558
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen and League Adjuvant Trial

Trial ID:C13-19 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-19 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
Pest Code									ALRPH	ALRPH	CYPES	CYPES
Rating Date									Jun-10-2013	Jun-24-2013	May-27-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%
Trt-Eval Interval									35 DAT	49 DAT	21 DAT	35 DAT
Number of Decimals									0	0	0	0
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	41a	33a	64a	40cd
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	38a	35a	50bc	48bcd
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	50a	46a	41c	59b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	36a	35a	48bc	51bc
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	34a	34a	38c	33d
	No Adjuvant											
6	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	38a	38a	71a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
7	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	34a	35a	70a	96a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
8	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	36a	34a	70a	98a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
9	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	43a	39a	75a	97a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
10	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	36a	31a	59ab	95a
	No Adjuvant											
11	Nontreated								0b	0b	0d	0e
LSD (P=.05)									10.0	12.7	11.0	13.7
Standard Deviation									7.0	8.8	7.6	9.5
CV									19.87	27.04	14.35	14.59
Replicate F									2.662	0.475	1.014	1.108
Replicate Prob(F)									0.0659	0.7021	0.4001	0.3614
Treatment F									12.947	6.855	32.750	51.175
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen and League Adjuvant Trial

Trial ID:C13-19 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-19 Investigator:Eric P. Webster

Pest Code								CYPES	RICE	RICE	RICE
Rating Date								Jun-24-2013	May-27-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								49 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	9	10	11	12
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	97a	10ab	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	95a	14ab	0a	0a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	98a	18a	0a	0a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	95a	8ab	0a	0a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	51b	5ab	0a	0a
	No Adjuvant											
6	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	98a	3ab	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
7	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	97a	5ab	0a	0a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
8	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	96a	5ab	0a	0a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
9	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	97a	8ab	0a	0a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
10	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	97a	4ab	0a	0a
	No Adjuvant											
11	Nontreated								0c	0b	0a	0a
LSD (P=.05)									9.8	9.6	0.0	0.0
Standard Deviation									6.8	6.7	0.0	0.0
CV									8.16	94.53	0.0	0.0
Replicate F									0.966	0.427	0.000	0.000
Replicate Prob(F)									0.4218	0.7351	1.0000	1.0000
Treatment F									82.025	2.319	0.000	0.000
Treatment Prob(F)									0.0001	0.0367	1.0000	1.0000

LSU AgCenter SPESS

Sharpen and League Adjuvant Trial

Trial ID:C13-19 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-19 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								HEIGHT	HEIGHT	AVG HT	WEIGHT
Rating Unit								cm	cm	cm	g
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	115a	115a	115a	2726a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	118a	117a	117a	3016a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	116a	118a	117a	3158a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	115a	114a	114a	3180a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	113a	114a	113a	2882a
	No Adjuvant											
6	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	113a	114a	113a	2999a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
7	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	114a	115a	114a	2857a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST				
8	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	114a	116a	115a	3152a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST				
9	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	116a	118a	117a	3124a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST				
10	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	113a	116a	114a	3065a
	No Adjuvant											
11	Nontreated								109a	110a	109a	2915a
LSD (P=.05)									5.9	5.5	5.5	378.5
Standard Deviation									4.1	3.8	3.8	262.2
CV									3.61	3.32	3.32	8.72
Replicate F									0.563	0.677	0.474	1.153
Replicate Prob(F)									0.6435	0.5730	0.7029	0.3437
Treatment F									1.240	1.465	1.383	1.259
Treatment Prob(F)									0.3069	0.2010	0.2354	0.2967

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Sharpen and League Adjuvant Trial

Trial ID:C13-19 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-19 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 YIELD LB/A HARVEST 0	RICE Jul-29-2013 YIELD KG/HA HARVEST 0
									17	18	19
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	22a	7801a	8743a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	22a	8629a	9672a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST			
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	22a	9037a	10129a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST			
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	22a	9098a	10198a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST			
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST	22a	8247a	9244a
	No Adjuvant										
6	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	22a	8580a	9616a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
7	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	22a	8174a	9162a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST			
8	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	22a	9020a	10110a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	MPOST			
9	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	22a	8937a	10017a
	Induce	100%		0.25%	v/v	0.25%	v/v	MPOST			
10	League	75%	AW/W	0.14	lb ai/a	3	oz/a	MPOST	22a	8769a	9829a
	No Adjuvant										
11	Nontreated								22a	8341a	9349a
LSD (P=.05)									0.0	1083.1	1214.0
Standard Deviation									0.0	750.1	840.8
CV									0.0	8.72	8.72
Replicate F									0.000	1.153	1.153
Replicate Prob(F)									1.0000	0.3437	0.3437
Treatment F									0.000	1.259	1.259
Treatment Prob(F)									1.0000	0.2967	0.2967

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Hemp Sesbania Density Trial

Experiment number	**C13-20**
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
Planting date	3/27/2013
Harvest date	7/30/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Command at 12.8 oz/A EPOST; Newpath at 4 oz/A + COC at 1% V/V at MOST and LPOST; Permit at 1 oz/A and COC at 1 % V/V POSTFL

Application type	Overspray	Newpath OS	Permit**
Date applied [mm/dd/yy]	04/26/13	05/15/13	05/30/13
Time [hh:mm-hh:mm]	10:00-10:30am	9:25-9:45am	9:40am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	65/63	71/70	82/80
Relative humidity [%]	73	77	81
Wind [mph, direction]	2-4, SE	8-10, SE	5-10, SE
Weather [sunny, etc]	cloudy	sunny	sunny
Soil/Leaf surface moist	muddy/dry	wet/dry	flooded/dry
Crop stage/Height	1-3lf/2-3"	1-2 till/10-12"	2-3 till/ 16"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/21	15/21
Applied by	JCF	JCF	NDF

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles
** Weed free- 101, 205, 306, 403

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Hemp Sesbania Density Trial

Trial ID:C13-20 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-20 Investigator:Eric P. Webster

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	Jul-30-2013	Jul-30-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-26-2013	Jul-30-2013	Jul-30-2013
Rating Type	WEIGHT	MOISTURE	HEIGHT	HEIGHT	AVG HT	LENGTH	DENSITY	YIELD	YIELD
Rating Unit	g	%	cm	cm	cm	ft	NUM/PLOT	LB/A	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8	9
1Weed Free	3329a	21a	107a	108a	108a	14a	0b	8503a	9531a
22.5 seeds/m^2	3216a	21a	107a	105a	106a	14a	5a	8209a	9201a
35 seeds/m^2	2632a	21a	104a	105a	105a	14a	7a	6732a	7546a
410 seeds/m^2	3425a	21a	105a	107a	106a	14a	8a	8756a	9814a
515 seeds/m^2	2752a	21a	346a	104a	225a	14a	9a	7027a	7876a
620 seeds/m^2	3088a	21a	105a	104a	104a	14a	9a	7920a	8877a
725 seeds/m^2	2989a	21a	105a	106a	106a	14a	11a	7633a	8556a
LSD (P=.05)	526.8	0.4	271.2	5.8	136.5	0.0	4.5	1333.1	1494.2
Standard Deviation	354.6	0.3	182.5	3.9	91.9	0.0	3.0	897.3	1005.8
CV	11.58	1.3	130.61	3.67	74.92	0.0	43.6	11.47	11.47
Replicate F	1.190	1.895	0.990	0.672	1.001	0.000	1.944	1.267	1.267
Replicate Prob(F)	0.3416	0.1667	0.4198	0.5800	0.4150	1.0000	0.1587	0.3155	0.3155
Treatment F	2.722	1.052	0.996	0.715	0.965	0.000	5.747	2.775	2.775
Treatment Prob(F)	0.0463	0.4259	0.4578	0.6428	0.4758	1.0000	0.0017	0.0433	0.0433

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Indian Jointvetch Density Trial

Experiment number	**C13-21**
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
Planting date	3/27/2013
Harvest date	7/31/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Command at 12.8 oz/A EPOST; Newpath at 4 oz/A + COC at 1% V/V MPOST and LPOST; Permit at 1 oz/A and COC at 1 % V/V POSTFL

Application type	Overspray	Newpath OS	Permit**
Date applied [mm/dd/yy]	04/26/13	05/15/13	05/30/13
Time [hh:mm-hh:mm]	10:00-10:30am	9:25-9:45am	9:40am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	65/63	71/70	82/80
Relative humidity [%]	73	77	81
Wind [mph, direction]	2-4, SE	8-10, SE	5-10, SE
Weather [sunny, etc]	cloudy	sunny	sunny
Soil/Leaf surface moist	muddy/dry	wet/dry	flooded/dry
Crop stage/Height	1-3lf/2-3"	1-2 till/3-5"	2-3 till/16"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/21	15/21
Applied by	JCF	NDF	NDF

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles
**Weed free- 101, 207, 306, 404

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Indian Jointvetch Density Trial

Trial ID:C13-21 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-21 Investigator:Eric P. Webster

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	Jul-31-2013	Jul-31-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-26-2013	Jul-31-2013	Jul-31-2013
Rating Type	WEIGHT	MOISTURE	HEIGHT	HEIGHT	AVG HT	LENGTH	DENSITY	YIELD	YIELD
Rating Unit	g	%	cm	cm	cm		NUMBR/m2	LB	KG
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	0	0	0	0	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8	9
1Weed Free	3077a	23a	108a	108a	108a	13a	0b	8327a	9333a
22.5 seeds/m^2	2719b	23a	105a	104a	104a	13a	8a	7358b	8247b
35 seeds/m^2	1547c	23a	107a	108a	108a	13a	8a	4185c	4691c
410 seeds/m^2	1564c	23a	109a	106a	107a	13a	9a	4231c	4743c
515 seeds/m^2	1729c	23a	107a	107a	107a	13a	8a	4680c	5246c
620 seeds/m^2	493d	23a	109a	108a	109a	13a	8a	1334d	1495d
725 seeds/m^2	442d	23a	107a	108a	107a	13a	9a	1195d	1339d
LSD (P=.05)	302.5	0.0	5.7	7.4	6.5	0.0	3.6	818.7	917.6
Standard Deviation	203.6	0.0	3.9	5.0	4.4	0.0	2.4	551.0	617.6
CV	12.32	0.0	3.59	4.66	4.08	0.0	34.0	12.32	12.32
Replicate F	1.253	0.000	0.290	1.055	0.542	0.000	2.519	1.253	1.253
Replicate Prob(F)	0.3201	1.0000	0.8317	0.3926	0.6596	1.0000	0.0906	0.3201	0.3201
Treatment F	96.509	0.000	0.537	0.457	0.403	0.000	6.895	96.509	96.509
Treatment Prob(F)	0.0001	1.0000	0.7733	0.8310	0.8671	1.0000	0.0006	0.0001	0.0001

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Hemp Sesbania Competition – Removal and Weed-free Periods

Experiment number	**C13-22**
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
Planting date	3/27/2013
Harvest date	7/30/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Clincher at 15 oz/A EPOST; Newpath at 4 oz/A LPOST

Application type	O WAE	1 WAE	Overspray	2WAE
Date applied [mm/dd/yy]	04/17/13	04/22/13	04/26/13	04/28/13
Time [hh:mm-hh:mm]	10:00-10:18am	10:00-10:15am	10:00-10:30am	11:00-11:15am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	78/72	74/70	65/63	75/72
Relative humidity [%]	76	43	73	68
Wind [mph, direction]	5-7, SE	5-7, NE	2-4, SE	0-3, NE
Weather [sunny, etc]	sunny	cloudy	cloudy	sunny
Soil/Leaf surface moist	wet/dry	dry/dry	muddy/dry	dry/dry
Crop stage/Height	1-3lf/1-3"	1-2lf/1-3"	1-3lf/2-3"	2-4lf/2-5"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/23	15/23
Applied by	NDF	NDF	JCF	JCF

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles

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Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:C13-22 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-22 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									1	2	3	4
1	Removal at 1 WAE								3395a-d	21a	109a	109a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	1 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	6 WAE				
2	Removal at 2 WAE								3244a-d	21a	108a	112a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	2 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	6 WAE				
3	Removal at 3 WAE								3802ab	21a	111a	114a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	3 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	6 WAE				
4	Removal at 4 WAE								2790d	21a	111a	112a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	4 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	6 WAE				
5	Removal at 6 WAE								2685d	21a	109a	110a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	6 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	6 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	8 WAE				
6	Removal at 8 WAE								2953cd	21a	107a	108a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	8 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	8 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	10 WAE				
7	Removal at 10 WAE								2893cd	21a	112a	113a
	Propanil	4LB/GAL		3	lb ai/a		3qt/a	10 WAE				
	Permit	75%AW/W		0.047	lb ai/a		1oz wt/a	10 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	12 WAE				
8	Nontreated								3326a-d	21a	111a	111a
9	Weed-free until 1 WAE								3278a-d	21a	106a	107a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a		1fl oz/a	0 WAE				
10	Weed-free until 2 WAE								3154bcd	21a	108a	112a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	1 WAE				
11	Weed-free until 3 WAE								2810d	21a	111a	109a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	2 WAE				
12	Weed-free until 4 WAE								3260a-d	21a	108a	112a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a		4qt/a	3 WAE				

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Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:C13-22 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-22 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									1	2	3	4
13	Weed-free until 6 WAE								3617abc	21a	108a	111a
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	4 WAE				
14	Weed-free								3964a	21a	108a	107a
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	6 WAE				
LSD (P=.05)									470.2	0.0	6.7	5.0
Standard Deviation									329.0	0.0	4.7	3.5
CV									10.2	0.0	4.31	3.14
Replicate F									0.213	0.000	2.963	4.126
Replicate Prob(F)									0.8866	1.0000	0.0439	0.0124
Treatment F									5.450	0.000	0.564	1.505
Treatment Prob(F)									0.0001	1.0000	0.8670	0.1594

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Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:C13-22 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-22 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013
Rating Type								AVG HT	LENGTH	YIELD	YIELD
Rating Unit								cm	ft	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
1	Removal at 1 WAE								109a	14a	8321a-d	9327a-d
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	1 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
2	Removal at 2 WAE								110a	14a	7953a-d	8914a-d
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	2 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
3	Removal at 3 WAE								112a	14a	9320ab	10446ab
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	3 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
4	Removal at 4 WAE								112a	14a	6839d	7666d
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	4 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
5	Removal at 6 WAE								109a	14a	6582d	7378d
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	6 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	6 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	8 WAE				
6	Removal at 8 WAE								108a	14a	7239cd	8114cd
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	8 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	8 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	10 WAE				
7	Removal at 10 WAE								112a	14a	7092cd	7949cd
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	10 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	10 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	12 WAE				
8	Nontreated								111a	14a	8153a-d	9138a-d
9	Weed-free until 1 WAE								107a	14a	8035a-d	9006a-d
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
10	Weed-free until 2 WAE								110a	14a	7731bcd	8665bcd
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
11	Weed-free until 3 WAE								110a	14a	6889d	7721d
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
12	Weed-free until 4 WAE								110a	14a	7992a-d	8958a-d
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				

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Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:C13-22 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-22 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013
Rating Type								AVG HT	LENGTH	YIELD	YIELD
Rating Unit								cm	ft	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
13	Weed-free until 6 WAE								110a	14a	8866abc	9938abc
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
14	Weed-free								107a	14a	9717a	10891a
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	6 WAE				
LSD (P=.05)									5.1	0.0	1152.6	1291.9
Standard Deviation									3.6	0.0	806.6	904.0
CV									3.26	0.0	10.2	10.2
Replicate F									4.313	0.000	0.213	0.213
Replicate Prob(F)									0.0102	1.0000	0.8866	0.8866
Treatment F									0.940	0.000	5.450	5.450
Treatment Prob(F)									0.5236	1.0000	0.0001	0.0001

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Jointvetch Competition – Removal and Weed-free Periods

Experiment number	**C13-23**
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
Planting date	3/27/2013
Harvest date	7/30/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Clincher at 15 oz/A EPOST; Newpath at 4 oz/A LPOST

Application type	O WAE	1 WAE	Overspray	2WAE
Date applied [mm/dd/yy]	04/17/13	04/22/13	04/26/13	04/28/13
Time [hh:mm-hh:mm]	10:00-10:15am	10:00-10:15am	10:00-10:30am	11:15-11:30am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	78/72	74/70	65/63	75/72
Relative humidity [%]	76	43	73	68
Wind [mph, direction]	5-7, SE	5-7, NE	2-4, SE	0-3, NE
Weather [sunny, etc]	sunny	cloudy	cloudy	sunny
Soil/Leaf surface moist	wet/dry	dry/dry	muddy/dry	dry/dry
Crop stage/Height	1-3lf/1-3"	1-2lf/1-3"	1-3lf/2-3"	2-4lf/2-5"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/23	15/23
Applied by	NDF	NDF	JCF	JCF

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Jointvetch Competition – Removal and Weed-free Periods

Experiment number	**C13-23**
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
Planting date	3/27/2013
Harvest date	7/30/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Clincher at 15 oz/A EPOST; Newpath at 4 oz/A LPOST

Application type	3 WAE	4 WAE**	Newpath OS	6 WAE
Date applied [mm/dd/yy]	05/07/13	05/13/13	05/15/13	05/28/13
Time [hh:mm-hh:mm]	8:00-8:15am	9:30am	9:25-9:45am	10:00am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	75/73	67/66	71	80
Relative humidity [%]	55	46	77	71
Wind [mph, direction]	0-3, W	8-12, E	8-10, SE	10, SE
Weather [sunny, etc]	sunny	sunny	sunny	sunny
Soil/Leaf surface moist	dry/dry	wet/dry	wet/dry	flooded/dry
Crop stage/Height	4-5lf/3-6"	4-6lf/3-6"	1-2 till/10-12"	2-3 till/14"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/22.5	15/20	15/21
Applied by	JCF	NDF	NDF	NDF

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles
** only treatments 3 & 4

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Jointvetch Competition – Removal and Weed-free Periods

Experiment number	:	**C13-23**
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
Planting date	:	3/27/2013
Harvest date	:	7/30/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Clincher at 15 oz/A EPOST; Newpath at 4 oz/A LPOST
Application type	:	10 WAE
Date applied [mm/dd/yy]	:	06/29/13
Time [hh:mm-hh:mm]	:	8:15-8:20am
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	86/83
Relative humidity [%]	:	81
Wind [mph, direction]	:	3-5, N
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	flood/dry
Crop stage/Height	:	3-5till/15-25"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15
GPA/PSI	:	15/23
Applied by	:	BMM
Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles
** only treatments 3 & 4

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Joitvetch Competition--Removal and Weed-free periods

Trial ID:C13-23 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-23 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									1	2	3	4
1	Removal at 1 WAE								3028c	20a	109a	111a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	1 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
2	Removal at 2 WAE								3464bc	20a	111a	113a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	2 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
3	Removal at 3 WAE								3321bc	20a	106a	108a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	3 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	3 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
4	Removal at 4 WAE								3455bc	20a	110a	110a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	4 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	4 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	6 WAE				
5	Removal at 6 WAE								3308bc	20a	110a	109a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	6 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	6 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	8 WAE				
6	Removal at 8 WAE								3519bc	20a	109a	108a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	8 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	8 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	10 WAE				
7	Removal at 10 WAE								3580bc	20a	104a	108a
	Propanil	4LB/GAL		3	lb ai/a	3	qt/a	10 WAE				
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	10 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	12 WAE				
8	Nontreated								3486bc	20a	109a	112a
9	Weed-free until 1 WAE								3387bc	20a	110a	109a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
10	Weed-free until 2 WAE								4093a	20a	107a	110a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
11	Weed-free until 3 WAE								3527bc	20a	110a	109a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
12	Weed-free until 4 WAE								3748ab	20a	106a	106a
	Aim NO COC	2LB/GAL		0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4LB/GAL		4	lb ai/a	4	qt/a	3 WAE				

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Joitvetch Competition--Removal and Weed-free periods

Trial ID:C13-23 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-23 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
	Pest Code											
	Rating Date								Jul-30-2013	Jul-30-2013	Jul-29-2013	Jul-29-2013
	Rating Type								WEIGHT	MOISTURE	HEIGHT	HEIGHT
	Rating Unit								g	%	cm	cm
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0
									1	2	3	4
13	Weed-free until 6 WAE								3899ab	20a	108a	107a
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
14	Weed-free								3415bc	20a	108a	109a
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	6 WAE				
LSD (P=.05)									371.6	0.4	5.3	4.5
Standard Deviation									260.0	0.3	3.7	3.1
CV									7.39	1.5	3.45	2.89
Replicate F									1.582	5.593	10.317	17.793
Replicate Prob(F)									0.2092	0.0027	0.0001	0.0001
Treatment F									4.054	1.000	1.118	1.388
Treatment Prob(F)									0.0003	0.4697	0.3735	0.2090

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Joitvetch Competition--Removal and Weed-free periods

Trial ID:C13-23 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-23 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-29-2013 LENGTH ft HARVEST 0	RICE Jul-30-2013 YIELD LB HARVEST 0	RICE Jul-30-2013 YIELD KG HARVEST 0
	Pest Code											
	Rating Date								Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013
	Rating Type								AVG HT	LENGTH	YIELD	YIELD
	Rating Unit								cm	ft	LB	KG
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0
									5	6	7	8
1	Removal at 1 WAE								110a	13a	8037c	9008c
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	1 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	1 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	6 WAE				
2	Removal at 2 WAE								112a	13a	9158bc	10265bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	2 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	2 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	3 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	6 WAE				
3	Removal at 3 WAE								107a	13a	8804bc	9868bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	3 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	3 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	4 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	6 WAE				
4	Removal at 4 WAE								110a	13a	9120bc	10223bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	4 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	4 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	6 WAE				
5	Removal at 6 WAE								109a	13a	8765bc	9824bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	6 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	6 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	8 WAE				
6	Removal at 8 WAE								109a	13a	9345bc	10474bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	8 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	8 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	10 WAE				
7	Removal at 10 WAE								106a	13a	9488bc	10635bc
	Propanil	4	LB/GAL	3	lb ai/a	3	qt/a	10 WAE				
	Permit	75	%AW/W	0.047	lb ai/a	1	oz wt/a	10 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	12 WAE				
8	Nontreated								110a	13a	9217bc	10331bc
9	Weed-free until 1 WAE								110a	13a	8989bc	10076bc
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
10	Weed-free until 2 WAE								108a	13a	10863a	12175a
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	1 WAE				
11	Weed-free until 3 WAE								109a	13a	9360bc	10491bc
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	2 WAE				
12	Weed-free until 4 WAE								106a	13a	9949ab	11151ab
	Aim NO COC	2	LB/GAL	0.0156	lb ai/a	1	fl oz/a	0 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	1 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	2 WAE				
	Propanil	4	LB/GAL	4	lb ai/a	4	qt/a	3 WAE				

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Joitvetch Competition--Removal and Weed-free periods

Trial ID:C13-23 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-23 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE	RICE	RICE
Pest Code												
Rating Date									Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013
Rating Type									AVG HT	LENGTH	YIELD	YIELD
Rating Unit									cm	ft	LB	KG
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0
									5	6	7	8
13	Weed-free until 6 WAE								107a	13a	10348ab	11599ab
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
14	Weed-free								108a	13a	9064bc	10159bc
	Aim NO COC		2LB/GAL	0.0156	lb ai/a		1fl oz/a	0 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	1 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	2 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	3 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	4 WAE				
	Propanil		4LB/GAL	4	lb ai/a		4qt/a	6 WAE				
LSD (P=.05)									4.4	0.0	980.0	1098.4
Standard Deviation									3.1	0.0	685.8	768.6
CV									2.84	0.0	7.36	7.36
Replicate F									16.466	0.000	1.758	1.758
Replicate Prob(F)									0.0001	1.0000	0.1712	0.1712
Treatment F									1.224	0.000	4.144	4.144
Treatment Prob(F)									0.3000	1.0000	0.0003	0.0003

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School of Plant, Environmental and Soil Sciences

Herbicide Evaluation of Hemp Sesbania and Indian Jointvetch – EPOST

Experiment number	**C13-26**		
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		
Planting date	3/27/2013		
Harvest date	7/30/2013		
Crop/Variety	CL111		
Emergence date	4/16/2013		
Uniform std. treatment	Ricestar HT at 24 oz/A POSTFL		
Application type	PRE	EPOST	Overspray
Date applied [mm/dd/yy]	03/29/13	04/22/13	05/23/13
Time [hh:mm-hh:mm]	9:45-10:00am	10:30-10:45am	9:30-10:00am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	63/55	74/70	74
Relative humidity [%]	82	43	96
Wind [mph, direction]	3-5, SSE	5-7, NE	3, E
Weather [sunny, etc]	sunny	cloudy	cloudy
Soil/Leaf surface moist	dry/dry	dry/dry	flood/dry
Crop stage/Height	N/A	N/A	1-3lf/13"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/21
Applied by	EPW	NDF	NDF
Weed Species (population)	---------- (height/#leaves) ----------		
SEBEX($5m^{-2}$)		1.5"/2lf	8-10"/5-10lf
AESIN($5m^{-2}$)		1"/2lf	6-8"/5-10lf
CYPES($10\text{-}20m^{-2}$)			12-15"/7-13lf
COMDI($1\text{-}2m^{-2}$)			5-6"/4-8lf
Flush Dates	4/26/2013, 5/3/2013, 5/10/2013		
Permanent Flood	5/17/2013		

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	SEBEX
Rating Date									May-8-2013	May-20-2013	Jun-10-2013	Jun-24-2013	May-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									16 DAT	28 DAT	49 DAT	63 DAT	16 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0c	0c	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	93a	95a	88b	97a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	97a	96a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95a	96a	97a	97a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	74ab	88a	89ab	84b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	88a	94a	95ab	95a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	95a	97a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	96ab	98a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63b	64b	79b	91ab	55c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	88a	92a	90ab	96a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	91a	95a	96ab	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96a	98a	98a	97a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	96a	96ab	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	97a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	AESIN	SEBEX
Rating Date								May-8-2013	May-20-2013	Jun-10-2013	Jun-24-2013	May-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	28 DAT	49 DAT	63 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	98a	95ab	97A
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									12.3	16.6	5.8	5.4	8.0
Standard Deviation									8.6	11.6	4.1	3.8	5.6
CV									9.85	13.65	4.57	4.27	6.41
Replicate F									0.738	1.557	2.563	6.105	0.945
Replicate Prob(F)									0.5347	0.2129	0.0665	0.0014	0.4268
Treatment F									33.878	17.878	142.082	159.208	84.154
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX May-20-2013	SEBEX Jun-10-2013	SEBEX Jun-24-2013	CYPES May-8-2013	CYPES May-20-2013
Pest Code													
Rating Date									May-20-2013	Jun-10-2013	Jun-24-2013	May-8-2013	May-20-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	49 DAT	63 DAT	16 DAT	28 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
1	Nontreated												
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0c	0c	0d	0d
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST	93a	92a	88a	55b	51b
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	97a	96a	96a	92a	96a
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	97a	92a	97a	95a	96a
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	75b	89a	92a	83a	84a
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	85ab	92a	90a	76a	78a
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	96a	96a	96a	82a	96a
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	97a	95a	98a	0d	0d
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	0c	14b	26b	0d	0d
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST	96a	95a	92a	0d	0d
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST	94a	97a	97a	90a	90a
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST	97a	98a	97a	85a	96a
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST	98a	97a	97a	38c	28c
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST	98a	97a	98a	15d	8d
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST	98a	98a	98a	93a	97a

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	CYPES	CYPES
Rating Date								May-20-2013	Jun-10-2013	Jun-24-2013	May-8-2013	May-20-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAT	49 DAT	63 DAT	16 DAT	28 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	96a	97a	97a	98a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									11.8	7.5	10.6	16.1	13.5
Standard Deviation									8.3	5.2	7.4	11.2	9.4
CV									10.06	6.25	8.77	19.99	16.48
Replicate F									2.659	5.349	3.035	0.251	1.380
Replicate Prob(F)									0.0595	0.0031	0.0388	0.8599	0.2611
Treatment F									62.339	133.442	58.918	51.078	83.558
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	COMDI	COMDI	COMDI
Rating Date								Jun-10-2013	Jun-24-2013	May-20-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	63 DAT	28 DAT	49 DAT	63 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0e	0c	0c	0b	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73bc	94a	48b	96a	86a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	97a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	98a	98a	97a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92a	96a	0c	98a	93a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	96a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1e	1c	0c	96a	96a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	0c	0c	94a	96a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1e	3c	0c	96a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81ab	97a	96a	95a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	61c	80b	96a	97a	97a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	44d	85ab	37b	97a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	96a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	COMDI	COMDI	COMDI
Rating Date								Jun-10-2013	Jun-24-2013	May-20-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	63 DAT	28 DAT	49 DAT	63 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									13.9	8.6	17.1	4.0	7.0
Standard Deviation									9.7	6.0	12.0	2.8	4.9
CV									15.11	8.46	19.9	3.1	5.4
Replicate F									2.094	1.843	0.834	1.884	1.313
Replicate Prob(F)									0.1144	0.1529	0.4825	0.1458	0.2820
Treatment F									70.742	196.388	58.388	296.923	99.293
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE May-8-2013 INJURY % 16 DAT 0	RICE Jun-10-2013 INJURY % 49 DAT 0	RICE Jun-24-2013 INJURY % 63 DAT 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									16	17	18	19	20
1	Nontreated								0b	0a	0a	102a	101b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	104a	103ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	109a	107ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	106a	106ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	107a	106ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	101a	103ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	110a	112a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	106a	106ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	100a	100b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	104a	105ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	1a	0a	106a	107ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	106a	106ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	45a	0a	0a	103a	104ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	101a	101ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	107a	109ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-8-2013	Jun-10-2013	Jun-24-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								16 DAT	49 DAT	63 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0a	0a	110a	107ab
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									4.6	0.9	0.0	6.2	6.2
Standard Deviation									3.2	0.6	0.0	4.3	4.3
CV									114.76	800.0	0.0	4.12	4.1
Replicate F									1.000	1.000	0.000	5.343	5.395
Replicate Prob(F)									0.4016	0.4016	1.0000	0.0031	0.0029
Treatment F									48.600	1.000	0.000	2.010	2.149
Treatment Prob(F)									0.0001	0.4718	1.0000	0.0362	0.0244

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-30-2013 YIELD LB/A HARVEST 0	RICE Jul-30-2013 YIELD KG/HA HARVEST 0
									21	22	23	24	25
1	Nontreated Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101ab	2961ab	20a	6995ab	7841ab
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103ab	3385ab	20a	7997ab	8963ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108ab	3154ab	20a	7451ab	8352ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	2977ab	20a	7033ab	7882ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107ab	2904ab	20a	6862ab	7691ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102ab	2894ab	20a	6837ab	7663ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111a	3185ab	20a	7524ab	8433ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	3155ab	20a	7455ab	8356ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100b	2765b	20a	6532b	7322b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104ab	3616a	20a	8543a	9575a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	2786b	20a	6582b	7378b
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	3117ab	20a	7364ab	8254ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103ab	2674b	20a	6317b	7081b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101ab	3148ab	20a	7438ab	8337ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108ab	3329ab	20a	7865ab	8816ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C13-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-26 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013
Rating Type								AVG HT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								cm	g	%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	109ab	3220ab	20a	7607ab	8526ab
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									5.7	456.9	0.0	1079.4	1209.9
Standard Deviation									4.0	319.7	0.0	755.3	846.6
CV									3.82	10.38	0.0	10.38	10.38
Replicate F									6.135	4.513	0.000	4.513	4.513
Replicate Prob(F)									0.0014	0.0075	1.0000	0.0075	0.0075
Treatment F									2.309	2.429	0.000	2.429	2.429
Treatment Prob(F)									0.0156	0.0111	1.0000	0.0111	0.0111

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch – MPOST

Experiment number	**C13-27**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	3/27/2013
Harvest date	7/30/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Ricestar at 24 oz/A

Application type	PRE	MPOST	Overspray
Date applied [mm/dd/yy]	03/29/13	05/01/13	05/23/13
Time [hh:mm-hh:mm]	9:45-10:00am	9:30-9:45am	9:30-10:00am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	63/55	70/68	74
Relative humidity [%]	82	91	96
Wind [mph, direction]	3-5, SSE	3-6, NE	3, E
Weather [sunny, etc]	sunny	sunny	cloudy
Soil/Leaf surface moist	dry/dry	wet/dry	flood/dry
Crop stage/Height	N/A	2-3lf/2-5"	1-3 till/8/10"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/21
Applied by	EPW	EPW	NDF

Weed Species (population)	---------- (height/#leaves) ----------	
CYPES(7-15m^{-2})	2-5"/6-12lf	12-15"/7-13lf
AESIN(15-30m^{-2})	1-3"/cot-4lf	6-8"/5-10lf
SEBEX(1-5m^{-2})	1-3"/cot-3lf	8-10"/5-10lf
COMDI(1-5m^{-2})	0.5-1"/1-2lf	5-6"/4-8lf

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	AESIN
Rating Date									May-14-2013	May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	19 DAT	40 DAT	55 DAT	68 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	97a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	96a	98a	98a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	97a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	AESIN	AESIN
Rating Date								May-14-2013	May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								13 DAT	19 DAT	40 DAT	55 DAT	68 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									0.0	0.8	1.5	0.9	0.6
Standard Deviation									0.0	0.5	1.0	0.6	0.4
CV									0.0	0.58	1.12	0.65	0.44
Replicate F									0.000	0.652	0.760	12.755	46.538
Replicate Prob(F)									1.0000	0.5858	0.5227	0.0001	0.0001
Treatment F									0.000	8335.175	2251.507	6663.508	14665.822
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX May-14-2013 CONTROL % 13 DAT 0	SEBEX May-20-2013 CONTROL % 19 DAT 0	SEBEX Jun-10-2013 CONTROL % 40 DAT 0	SEBEX Jun-24-2013 CONTROL % 55 DAT 0	SEBEX Jul-8-2013 CONTROL % 68 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									6	7	8	9	10
1	Nontreated								0c	0c	0b	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	96a	97a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	98ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	98a	97a	98ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	98ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	72b	88b	96a	92b	95b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	96a	96a	98ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX
	Rating Date								May-14-2013	May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								13 DAT	19 DAT	40 DAT	55 DAT	68 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98ab
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								9.7	4.8	2.1	3.5	1.4
	Standard Deviation								6.8	3.4	1.5	2.5	1.0
	CV								7.52	3.72	1.61	2.71	1.1
	Replicate F								1.241	0.724	1.312	1.534	6.128
	Replicate Prob(F)								0.3059	0.5432	0.2821	0.2187	0.0014
	Treatment F								53.866	207.636	1097.398	389.934	2355.198
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									CYPES	CYPES	CYPES	CYPES	CYPES
Rating Date									May-14-2013	May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	19 DAT	40 DAT	55 DAT	68 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0f	0d	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70a	75bc	92a	96a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	55abc	97a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60abc	97a	97a	98a	96a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35c	92ab	98a	97a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38bc	91ab	93a	97a	96a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48abc	90ab	96a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0f	53c	94a	95a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65ab	50de	73abc	91a	97a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40bc	76bc	77ab	94a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38bc	65cd	97a	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43bc	97a	98a	97a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43bc	55de	58bc	38b	45b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40bc	43e	65bc	95a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	53abc	95a	96a	98a	96a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPES
Rating Date								May-14-2013	May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								13 DAT	19 DAT	40 DAT	55 DAT	68 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60abc	96a	97a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1% v/v		1% v/v		MPOST					
LSD (P=.05)									16.3	12.9	16.1	10.4	4.5
Standard Deviation									11.4	9.0	11.2	7.2	3.1
CV									26.41	12.94	13.99	8.39	3.59
Replicate F									0.032	0.298	0.770	0.804	1.720
Replicate Prob(F)									0.9922	0.8268	0.5171	0.4980	0.1764
Treatment F									11.268	52.402	22.339	56.984	289.615
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	COMDI May-20-2013 CONTROL % 19 DAT 0	COMDI Jun-10-2013 CONTROL % 40 DAT 0	COMDI Jun-24-2013 CONTROL % 55 DAT 0	COMDI Jul-8-2013 CONTROL % 68 DAT 0	RICE May-14-2013 INJURY % 13 DAT 0
									16	17	18	19	20
1	Nontreated								0b	0c	0b	0b	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	98a	0b
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	0b
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	98a	97a	98a	0b
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92a	98a	98a	97a	0b
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	98a	0b
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	72b	98a	98a	0b
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	98a	98a	98a	0b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	0b
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	95a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Pest Code								COMDI	COMDI	COMDI	COMDI	RICE
Rating Date								May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	May-14-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								19 DAT	40 DAT	55 DAT	68 DAT	13 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0b
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1% v/v		1% v/v		MPOST					
LSD (P=.05)									4.8	11.8	0.7	0.6	1.3
Standard Deviation									3.4	8.2	0.5	0.4	0.9
CV									3.98	9.13	0.56	0.43	15.85
Replicate F									3.891	1.035	19.286	22.091	1.000
Replicate Prob(F)									0.0148	0.3864	0.0001	0.0001	0.4016
Treatment F									385.817	36.706	9091.668	15631.420	2546.684
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE May-20-2013 INJURY % 19 DAT 0	RICE Jun-10-2013 INJURY % 40 DAT 0	RICE Jun-24-2013 INJURY % 55 DAT 0	RICE Jul-8-2013 INJURY % 68 DAT 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									21	22	23	24	25
1	Nontreated								0b	0b	0b	0b	102ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	1b	0b	0b	104ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	105ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	1b	0b	0b	104ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	104ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	102ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	3b	0b	0b	105ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	107a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	107a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	104ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	106ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	101ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	85a	81a	74a	97b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	1b	0b	0b	102ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0b	0b	0b	107a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								May-20-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	Jul-29-2013
	Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
	Rating Unit								%	%	%	%	cm
	Trt-Eval Interval								19 DAT	40 DAT	55 DAT	68 DAT	HARVEST
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	1b	0b	0b	104ab
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								3.2	4.4	3.1	4.5	5.0
	Standard Deviation								2.3	3.1	2.1	3.1	3.5
	CV								38.5	52.86	42.04	67.8	3.4
	Replicate F								1.000	1.059	1.000	1.000	15.341
	Replicate Prob(F)								0.4016	0.3757	0.4016	0.4016	0.0001
	Treatment F								431.716	191.364	362.143	139.240	2.114
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0270

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-30-2013 YIELD LB/A HARVEST 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									26	27	28	29	30
1	Nontreated								103ab	102ab	2209c	19a	6549c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105ab	105a	3418ab	19a	10137ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	106a	3177ab	19a	9420ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103ab	104ab	3626a	19a	10752a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105ab	105a	3485ab	19a	10334ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104ab	103ab	3111ab	19a	9226ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	106a	3148ab	19a	9334ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	106a	3355ab	19a	9948ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105ab	106a	2992ab	19a	8873ab
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103ab	103ab	2748b	19a	8150b
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	106a	3243ab	19a	9615ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102ab	102ab	3183ab	19a	9440ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98b	98b	1282d	19a	3800d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106ab	104ab	3367ab	19a	9984ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	107a	3233ab	19a	9587ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013
Rating Type								HEIGHT	AVG HT	WEIGHT	MOISTURE	YIELD
Rating Unit								cm	cm	g	%	LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	105a	3647a	19a	10814a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									4.6	4.4	484.7	0.0	1437.3
Standard Deviation									3.3	3.0	339.2	0.0	1005.8
CV									3.11	2.93	11.02	0.0	11.02
Replicate F									23.152	23.044	1.992	0.000	1.992
Replicate Prob(F)									0.0001	0.0001	0.1287	1.0000	0.1287
Treatment F									2.188	2.387	12.152	0.000	12.152
Treatment Prob(F)									0.0219	0.0124	0.0001	1.0000	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31
Pest Code									RICE
Rating Date									Jul-30-2013
Rating Type									YIELD
Rating Unit									KG/HA
Trt-Eval Interval									HARVEST
Number of Decimals									0
1	Nontreated								7341c
	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	
2	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	11362ab
	Propanil		4LBA/GAL	3	lb ai/a	3	qt/a	MPOST	
3	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10558ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
4	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	12051a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
5	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	11583ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
6	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10340ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
7	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10462ab
	Grasp		2LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
8	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	11151ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
9	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9945ab
	Grandstand		3LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
10	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9135b
	Aim		2LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST	
	COC	100	%	1	% v/v	1	% v/v	MPOST	
11	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10777ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST	
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST	
12	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10580ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST	
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST	
13	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4259d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST	
14	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	11190ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST	
15	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10745ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST	
	COC	100	%	1	% v/v	1	% v/v	MPOST	

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C13-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-27 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31
	Pest Code								RICE
	Rating Date								Jul-30-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	12121a
	Strada Pro					2.08	oz/a	MPOST	
	COC	100%		1%	v/v	1%	v/v	MPOST	
	LSD (P=.05)								1611.0
	Standard Deviation								1127.3
	CV								11.02
	Replicate F								1.992
	Replicate Prob(F)								0.1287
	Treatment F								12.152
	Treatment Prob(F)								0.0001

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School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch – LPOST

Experiment number	**C13-28**		
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		
Planting date	3/27/2013		
Harvest date	7/30/2013		
Crop/Variety	CL111		
Emergence date	4/16/2013		
Uniform std. treatment	N/A		
Application type	PRE	LPOST	Fenoxyprop OS
Date applied [mm/dd/yy]	03/29/13	05/08/13	05/23/13
Time [hh:mm-hh:mm]	N/A	9:15-9:30am	9:30-10:00am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	60/60	70/72	74/70
Relative humidity [%]	85	76	96
Wind [mph, direction]	3-5, SE	0-3, SW	3, E
Weather [sunny, etc]	sunny	sunny	cloudy
Soil/Leaf surface moist	dry/dry	dry/dry	flood/dry
Crop stage/Height	N/A	4-5lf/4-7"	1-3 till/6-9"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/21
Applied by	EPW	NDF	NDF
Weed Species (population)	---------- (height/#leaves) ----------		
SEBEX(5-10m^{-2})		2"/4lf	6-10"/6-10lf
AESIN(20-30m^{-2})		1-2"/4-6lf	8-11"/8-12lf
CYPES(10-20m^{-2})		6"/6-9lf	10-12"/7-10lf
ALRPH(5-10m^{-2})		10-12"/lots	8-10"/lots
COMDI(1m^{-2})			6-8"/4-6lf
Flush Dates	4/26/2013, 5/3/2013, 5/10/2013		
Permanent Flood	5/17/2013		

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date									Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-10-2013	Jun-24-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									19 DAT	32 DAT	46 DAT	19 DAT	32 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0e	0f	0d	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	97a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	76c	71b	96a	96a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63c	35d	50c	83b	83b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	96a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	96a	94a	91a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	98a	88a	97a	97a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84b	91b	78b	89ab	89ab
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20d	31e	58c	87ab	93a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	98a	97a	96a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	98a	97a	98a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	96a	94a	95a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								AESIN	AESIN	AESIN	SEBEX	SEBEX
	Rating Date								Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-10-2013	Jun-24-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								19 DAT	32 DAT	46 DAT	19 DAT	32 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	98a	98a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								5.0	3.5	10.0	7.7	6.6
	Standard Deviation								3.5	2.5	7.0	5.4	4.6
	CV								4.24	3.01	8.56	6.06	5.19
	Replicate F								1.394	1.347	1.389	0.512	1.620
	Replicate Prob(F)								0.2568	0.2710	0.2585	0.6758	0.1980
	Treatment F								292.172	631.929	58.055	80.337	109.019
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	ALRPH	ALRPH	ALRPH	CYPES
Pest Code													
Rating Date									Jul-8-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									46 DAT	19 DAT	32 DAT	46 DAT	19 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
1	Nontreated								0c	0c	0d	0b	0f
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0c	34cd	94a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0c	19d	95a	81d
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	0c	15d	93a	93abc
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	87ab	0c	5d	91a	91abc
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	0c	6d	92a	89bc
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	87ab	95a	96a	97a	96ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	28c	25cd	94a	71e
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86b	10c	13d	96a	71e
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	14c	0d	96a	71e
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	90a	94a	96a	91abc
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	0c	56bc	92a	86cd
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0c	11d	91a	75e
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	46b	70ab	93a	73e
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	96a	95a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Pest Code								SEBEX	ALRPH	ALRPH	ALRPH	CYPES
Rating Date								Jul-8-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								46 DAT	19 DAT	32 DAT	46 DAT	19 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0c	55bc	93a	96ab
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									6.4	16.5	25.9	5.3	5.4
Standard Deviation									4.5	11.6	18.1	3.7	3.8
CV									5.03	48.94	48.91	4.2	4.7
Replicate F									0.997	1.368	3.442	0.736	0.106
Replicate Prob(F)									0.4031	0.2648	0.0245	0.5363	0.9562
Treatment F									115.935	40.916	15.214	162.573	157.886
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	COMDI	COMDI	COMDI
Rating Date								Jun-24-2013	Jul-8-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								32 DAT	46 DAT	19 DAT	32 DAT	46 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0d	0b	0b	0b	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	96a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	97a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	78c	97a	98a	94a	98a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	97a	98a	98a	98a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	98a	98a	98a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	97a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88b	98a	96a	98a	96a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	98a	98a	98a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	98a	98a	98a	97a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	COMDI	COMDI	COMDI
Rating Date								Jun-24-2013	Jul-8-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								32 DAT	46 DAT	19 DAT	32 DAT	46 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	98a	98a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									5.3	1.1	1.5	2.1	1.6
Standard Deviation									3.7	0.8	1.1	1.5	1.1
CV									4.18	0.88	1.17	1.64	1.22
Replicate F									1.764	5.216	0.770	5.939	3.749
Replicate Prob(F)									0.1675	0.0035	0.5171	0.0017	0.0174
Treatment F									171.880	3675.933	2067.852	1059.663	1896.900
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-10-2013 INJURY % 19 DAT 0	RICE Jun-24-2013 INJURY % 32 DAT 0	RICE Jul-8-2013 INJURY % 46 DAT 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0
									16	17	18	19	20
1	Nontreated								0a	0a	0a	105a	103a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	105a	105a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	106a	105a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	103a	103a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	103a	100a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	101a	99a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	101a	100a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	104a	100a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	102a	100a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	104a	101a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	105a	105a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	105a	102a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	105a	105a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	106a	102a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	106a	108a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-10-2013	Jun-24-2013	Jul-8-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								19 DAT	32 DAT	46 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1a	0a	0a	103a	100a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1% v/v		1% v/v		LPOST					
LSD (P=.05)									0.9	0.0	0.0	6.5	5.8
Standard Deviation									0.6	0.0	0.0	4.5	4.1
CV									800.0	0.0	0.0	4.37	3.99
Replicate F									1.000	0.000	0.000	1.213	0.713
Replicate Prob(F)									0.4016	1.0000	1.0000	0.3159	0.5491
Treatment F									1.000	0.000	0.000	0.528	1.595
Treatment Prob(F)									0.4718	1.0000	1.0000	0.9108	0.1137

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0	RICE Jul-30-2013 YIELD LB HARVEST 0	RICE Jul-30-2013 YIELD KG HARVEST 0
									21	22	23	24	25
1	Nontreated								104a	1259e	20a	3339e	3743e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	3558ab	20a	9439ab	10579ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	3024a-d	20a	8021a-d	8991a-d
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	3203abc	20a	8496abc	9523abc
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	2469d	20a	6549d	7340d
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100a	3440ab	20a	9125ab	10227ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100a	3708a	20a	9837a	11026a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102a	3185abc	20a	8450abc	9471abc
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	2481d	20a	6581d	7377d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	2644cd	20a	7013cd	7860cd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	2893bcd	20a	7674bcd	8601bcd
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	3081a-d	20a	8173a-d	9161a-d
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	3271abc	20a	8678abc	9726abc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104a	3331abc	20a	8836abc	9904abc
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	2894bcd	20a	7678bcd	8606bcd
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C13-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-28 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013	Jul-30-2013
Rating Type								AVG HT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								cm	g	%	LB	KG
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	3098a-d	20a	8217a-d	9210a-d
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									5.7	431.8	0.0	1145.5	1283.9
Standard Deviation									4.0	302.2	0.0	801.6	898.5
CV									3.86	10.17	0.0	10.17	10.17
Replicate F									1.046	0.724	0.000	0.724	0.724
Replicate Prob(F)									0.3815	0.5430	1.0000	0.5430	0.5430
Treatment F									1.025	14.607	0.000	14.607	14.607
Treatment Prob(F)									0.4487	0.0001	1.0000	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch – SALVAGE

Experiment number	:	**C13-29**	
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	
Planting date	:	3/27/2013	
Harvest date	:	7/30/2013	
Crop/Variety	:	CL111	
Emergence date	:	4/16/2013	
Uniform std. treatment	:	Ricestar HT at 24 oz/A	

Application type	:	PRE	Overspray	SALVAGE
Date applied [mm/dd/yy]	:	03/29/13	05/23/13	06/10/13
Time [hh:mm-hh:mm]	:	9:45-10:00am	9:30-10:00am	9:30-10:30am
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	63/55	74/70	90/86
Relative humidity [%]	:	82	96	95
Wind [mph, direction]	:	3-5, SSE	3, E	1-3/S
Weather [sunny, etc]	:	sunny	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	flood/dry	Flood/dry
Crop stage/Height	:	N/A	1-3 till/6-9"	4-6 till/20-30"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	:	15/23	15/21	15/23
Applied by	:	EPW	NDF	JCF

Weed Species (population)	:----------	(height/#leaves)	----------
SEBEX(5-10m^{-2})	:	8-10"/5-10lf	15-30"/15-25lf
AESIN(5-10m^{-2})	:	6-8"/5-10lf	15-25"/20-35lf
CYPES(10-20m^{-2})	:	12-15"/7-13lf	15-18"/12-18lf
COMDI(1-2m^{-2})	:	5-6"/4-8lf	6-10"/5-9lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/172013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date									Jun-24-2013	Jul-8-2013	Jul-22-2013	Jun-24-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	42 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0d	0e	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	98a	88a	83bcd	91ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	90abc	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	97a	85abc	96a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88c	97a	59c	71d	86bc
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	98a	96a	85abc	96a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	94a	88abc	91ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	98a	92a	86abc	93ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	96a	93a	79cd	83c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90bc	91b	70b	79cd	93ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	95ab	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	96a	98a	80cd	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	97ab	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	96a	96ab	97a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date								Jun-24-2013	Jul-8-2013	Jul-22-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								14 DAT	28 DAT	42 DAT	14 DAT	28 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	96a	85abc	98a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1% v/v		1% v/v		SALVAGE					
LSD (P=.05)									3.8	3.6	8.7	8.6	5.6
Standard Deviation									2.7	2.5	6.1	6.0	3.9
CV									3.0	2.75	7.09	7.46	4.42
Replicate F									1.281	1.214	2.597	3.069	1.385
Replicate Prob(F)									0.2922	0.3155	0.0640	0.0373	0.2595
Treatment F									321.059	379.381	69.886	57.057	151.416
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX Jul-22-2013 CONTROL % 42 DAT 0	CYPES Jun-24-2013 CONTROL % 14 DAT 0	CYPES Jul-8-2013 CONTROL % 28 DAT 0	CYPES Jul-22-2013 CONTROL % 42 DAT 0	COMDI Jun-24-2013 CONTROL % 14 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									6	7	8	9	10
1	Nontreated								0e	0b	0b	0b	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84b	89a	97a	97a	70b
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	92a	98a	98a	96a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	83a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	46d	93a	97a	96a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	97a	97a	98a	92a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85b	92a	97a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	91a	97a	98a	89a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75c	92a	97a	97a	97a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74c	93a	98a	96a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	96a	98a	98a	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89a	98a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	86a	97a	96a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Pest Code								SEBEX	CYPES	CYPES	CYPES	COMDI
Rating Date								Jul-22-2013	Jun-24-2013	Jul-8-2013	Jul-22-2013	Jun-24-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								42 DAT	14 DAT	28 DAT	42 DAT	14 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	97a	96a	98a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									7.0	10.5	1.3	2.5	9.3
Standard Deviation									4.9	7.4	0.9	1.7	6.5
CV									5.96	8.59	1.01	1.92	7.3
Replicate F									4.755	3.146	10.057	1.682	0.983
Replicate Prob(F)									0.0058	0.0342	0.0001	0.1843	0.4095
Treatment F									111.152	39.473	2780.472	773.984	58.385
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	COMDI Jul-8-2013 CONTROL % 28 DAT 0	COMDI Jul-22-2013 CONTROL % 42 DAT 0	RICE Jun-24-2013 INJURY % 14 DAT 0	RICE Jul-8-2013 INJURY % 28 DAT 0	RICE Jul-22-2013 INJURY % 42 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									11	12	13	14	15
1	Nontreated								0b	0b	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Pest Code								COMDI	COMDI	RICE	RICE	RICE
Rating Date								Jul-8-2013	Jul-22-2013	Jun-24-2013	Jul-8-2013	Jul-22-2013
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAT	42 DAT	14 DAT	28 DAT	42 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									1.0	0.5	0.0	0.0	0.0
Standard Deviation									0.7	0.4	0.0	0.0	0.0
CV									0.76	0.39	0.0	0.0	0.0
Replicate F									11.819	58.548	0.000	0.000	0.000
Replicate Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000
Treatment F									4867.028	18450.292	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0
									16	17	18	19	20
1	Nontreated								101a	101a	101a	2541b	20a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	104a	103a	2669ab	20a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	102a	102a	3282a	20a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	94a	99a	2393b	20a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	2747ab	20a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102a	102a	102a	2881ab	20a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102a	100a	101a	2970ab	20a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	106a	106a	3076ab	20a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104a	103a	103a	3103ab	20a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	100a	99a	2939ab	20a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	101a	102a	2952ab	20a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100a	101a	100a	2621ab	20a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100a	101a	101a	2440b	20a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102a	102a	102a	2629ab	20a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	3018ab	20a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-30-2013	Jul-30-2013
Rating Type								HEIGHT	HEIGHT	AVG HT	WEIGHT	MOISTURE
Rating Unit								cm	cm	cm	g	%
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	100a	101a	101a	2898ab	20a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1% v/v		1% v/v		SALVAGE					
LSD (P=.05)									7.0	10.3	7.7	413.7	0.0
Standard Deviation									4.9	7.2	5.4	289.5	0.0
CV									4.83	7.14	5.34	10.26	0.0
Replicate F									1.546	0.200	0.551	3.565	0.000
Replicate Prob(F)									0.2156	0.8959	0.6503	0.0213	1.0000
Treatment F									0.832	0.552	0.595	3.087	0.000
Treatment Prob(F)									0.6385	0.8949	0.8629	0.0017	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 YIELD LB/A HARVEST 0	RICE Jul-30-2013 YIELD KG/HA HARVEST 0
									21	22
1	Nontreated								7098b	7956b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	7455ab	8356ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9166a	10274a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6683b	7491b
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	7674ab	8601ab
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8046ab	9018ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8295ab	9298ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8593ab	9631ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8668ab	9715ab
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8209ab	9202ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE		
	COC	100	%	1	% v/v	1	% v/v	SALVAGE		
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8244ab	9241ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE		
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	7321ab	8206ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE		
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6816b	7640b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE		
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	7343ab	8230ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE		
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8429ab	9447ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE		
	COC	100	%	1	% v/v	1	% v/v	SALVAGE		

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C13-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-29 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-30-2013 YIELD LB/A HARVEST 0	RICE Jul-30-2013 YIELD KG/HA HARVEST 0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8094ab	9072ab
	Strada Pro					2.08	oz/a	SALVAGE		
	COC	100%		1%	v/v	1%	v/v	SALVAGE		
LSD (P=.05)									1155.5	1295.2
Standard Deviation									808.6	906.3
CV									10.26	10.26
Replicate F									3.565	3.565
Replicate Prob(F)									0.0213	0.0213
Treatment F									3.087	3.087
Treatment Prob(F)									0.0017	0.0017

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Halomax, Permit, and Permit Plus Applied at Different Rates

Experiment number	:	**C13-31**
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	:	3/27/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A

Application type	:	PRE	M-LPOST
Date applied [mm/dd/yy]	:	03/29/13	05/13/13
Time [hh:mm-hh:mm]	:	8:30-8:45am	9:45-10:00am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	46/39	67/66
Relative humidity [%]	:	93	46
Wind [mph, direction]	:	0-2, SSE	8-12, E
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	wet/dry
Crop stage/Height	:	N/A	4-6lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
ALRPH(10-20m^{-2})	:	2-12"/10-40lf
CYPES(5-15m^{-2})	:	4-10"/3-9lf
AESIN(5-10m^{-2})	:	0.5-4"/2-7lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Halomax, Permit, and Permit Plus Applied at Different Rates

Trial ID:C13-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-31 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	ALRPH	ALRPH
Rating Date									May-27-2013	Jun-10-2013	Jun-24-2013	May-27-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	42 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1									0b	0c	0c	0e	0e
2	Halomax	75%AW/W	0.25	oz/a	0.0117	lb ai/a		M-L POST	89a	98a	98a	35cd	35d
	Agri-Dex	100%	1%	v/v				M-L POST					
3	Permit	75%AW/W	0.25	oz/a	0.0117	lb ai/a		M-L POST	86a	97ab	95a	34d	35d
	Agri-Dex	100%	1%	v/v				M-L POST					
4	Permit Plus	75%AW/W	0.25	oz/a	0.0117	lb ai/a		M-L POST	90a	97ab	97a	55b	39bcd
	Agri-Dex	100%	1%	v/v				M-L POST					
5	Halomax	75%AW/W	0.5	oz/a	0.0234	lb ai/a		M-L POST	93a	98a	97a	45bcd	34d
	Agri-Dex	100%	1%	v/v				M-L POST					
6	Permit	75%AW/W	0.5	oz/a	0.0234	lb ai/a		M-L POST	93a	98a	97a	44bcd	38cd
	Agri-Dex	100%	1%	v/v				M-L POST					
7	Permit Plus	75%AW/W	0.5	oz/a	0.0234	lb ai/a		M-L POST	88a	97ab	97a	54b	41bcd
	Agri-Dex	100%	1%	v/v				M-L POST					
8	Halomax	75%AW/W	0.75	oz/a	0.035	lb ai/a		M-L POST	93a	97ab	97a	51bc	44a-d
	Agri-Dex	100%	1%	v/v				M-L POST					
9	Permit	75%AW/W	0.75	oz/a	0.035	lb ai/a		M-L POST	94a	98a	97a	51bc	54ab
	Agri-Dex	100%	1%	v/v				M-L POST					
10	Permit Plus	75%AW/W	0.75	oz/a	0.035	lb ai/a		M-L POST	95a	98a	97a	70a	58a
	Agri-Dex	100%	1%	v/v				M-L POST					
11	Halomax	75%AW/W	1	oz/a	0.047	lb ai/a		M-L POST	88a	94b	93b	41bcd	36d
	Agri-Dex	100%	1%	v/v				M-L POST					
12	Permit	75%AW/W	1	oz/a	0.047	lb ai/a		M-L POST	94a	98a	97a	54b	50a-d
	Agri-Dex	100%	1%	v/v				M-L POST					
13	Permit Plus	75%AW/W	1	oz/a	0.047	lb ai/a		M-L POST	96a	97ab	98a	73a	53abc
	Agri-Dex	100%	1%	v/v				M-L POST					
LSD (P=.05)									6.7	2.3	2.5	11.0	10.5
Standard Deviation									4.7	1.6	1.7	7.7	7.3
CV									5.56	1.8	1.96	16.52	18.54
Replicate F									0.229	0.714	8.216	8.826	0.594
Replicate Prob(F)									0.8753	0.5501	0.0003	0.0002	0.6228
Treatment F									118.375	1112.726	939.376	22.167	15.306
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Halomax, Permit, and Permit Plus Applied at Different Rates

Trial ID:C13-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-31 Investigator:Eric P. Webster

Pest Code								ALRPH	CYPES	CYPES	CYPES	RICE
Rating Date								Jun-24-2013	May-27-2013	Jun-10-2013	Jun-24-2013	May-27-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								42 DAT	14 DAT	28 DAT	42 DAT	14 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1									0c	0b	0c	0c	0a
2	Halomax	75%AW/W	0.25oz/a	0.0117	lb ai/a			M-L POST	36ab	68a	97a	97a	5a
	Agri-Dex	100%	1% v/v					M-L POST					
3	Permit	75%AW/W	0.25oz/a	0.0117	lb ai/a			M-L POST	40ab	66a	97a	95a	3a
	Agri-Dex	100%	1% v/v					M-L POST					
4	Permit Plus	75%AW/W	0.25oz/a	0.0117	lb ai/a			M-L POST	35ab	68a	97a	97a	3a
	Agri-Dex	100%	1% v/v					M-L POST					
5	Halomax	75%AW/W	0.5oz/a	0.0234	lb ai/a			M-L POST	30b	69a	98a	97a	5a
	Agri-Dex	100%	1% v/v					M-L POST					
6	Permit	75%AW/W	0.5oz/a	0.0234	lb ai/a			M-L POST	35ab	70a	98a	97a	5a
	Agri-Dex	100%	1% v/v					M-L POST					
7	Permit Plus	75%AW/W	0.5oz/a	0.0234	lb ai/a			M-L POST	36ab	71a	97a	97a	5a
	Agri-Dex	100%	1% v/v					M-L POST					
8	Halomax	75%AW/W	0.75oz/a	0.035	lb ai/a			M-L POST	35ab	70a	97a	97a	8a
	Agri-Dex	100%	1% v/v					M-L POST					
9	Permit	75%AW/W	0.75oz/a	0.035	lb ai/a			M-L POST	48a	70a	98a	97a	3a
	Agri-Dex	100%	1% v/v					M-L POST					
10	Permit Plus	75%AW/W	0.75oz/a	0.035	lb ai/a			M-L POST	43ab	70a	98a	97a	10a
	Agri-Dex	100%	1% v/v					M-L POST					
11	Halomax	75%AW/W	1oz/a	0.047	lb ai/a			M-L POST	36ab	74a	90b	91b	5a
	Agri-Dex	100%	1% v/v					M-L POST					
12	Permit	75%AW/W	1oz/a	0.047	lb ai/a			M-L POST	36ab	70a	98a	97a	8a
	Agri-Dex	100%	1% v/v					M-L POST					
13	Permit Plus	75%AW/W	1oz/a	0.047	lb ai/a			M-L POST	40ab	71a	97a	97a	5a
	Agri-Dex	100%	1% v/v					M-L POST					
LSD (P=.05)									9.6	5.3	4.0	2.4	6.9
Standard Deviation									6.7	3.7	2.8	1.7	4.8
CV									19.34	5.75	3.15	1.86	99.92
Replicate F									2.317	0.035	0.527	10.600	2.083
Replicate Prob(F)									0.0920	0.9910	0.6668	0.0001	0.1196
Treatment F									11.281	110.344	366.448	1044.848	1.167
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.3423

LSU AgCenter SPESS

Halomax, Permit, and Permit Plus Applied at Different Rates

Trial ID:C13-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-31 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-10-2013	Jun-24-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								%	%	cm	cm	cm
Trt-Eval Interval								28 DAT	42 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1									0a	0a	112a	115a	113a
2	Halomax	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	0a	0a	114a	113a	113a
	Agri-Dex	100%		1%	v/v			M-L POST					
3	Permit	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	0a	0a	113a	114a	113a
	Agri-Dex	100%		1%	v/v			M-L POST					
4	Permit Plus	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	3a	0a	114a	114a	114a
	Agri-Dex	100%		1%	v/v			M-L POST					
5	Halomax	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	0a	0a	115a	116a	115a
	Agri-Dex	100%		1%	v/v			M-L POST					
6	Permit	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	0a	0a	114a	114a	114a
	Agri-Dex	100%		1%	v/v			M-L POST					
7	Permit Plus	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	3a	0a	115a	114a	115a
	Agri-Dex	100%		1%	v/v			M-L POST					
8	Halomax	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	5a	0a	118a	118a	118a
	Agri-Dex	100%		1%	v/v			M-L POST					
9	Permit	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	0a	0a	116a	114a	115a
	Agri-Dex	100%		1%	v/v			M-L POST					
10	Permit Plus	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	0a	0a	112a	113a	113a
	Agri-Dex	100%		1%	v/v			M-L POST					
11	Halomax	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	0a	0a	115a	115a	115a
	Agri-Dex	100%		1%	v/v			M-L POST					
12	Permit	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	0a	0a	114a	117a	115a
	Agri-Dex	100%		1%	v/v			M-L POST					
13	Permit Plus	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	0a	0a	113a	113a	113a
	Agri-Dex	100%		1%	v/v			M-L POST					
LSD (P=.05)									3.4	0.0	5.8	4.2	4.7
Standard Deviation									2.4	0.0	4.1	2.9	3.3
CV									309.35	0.0	3.58	2.57	2.86
Replicate F									2.717	0.000	0.536	1.626	0.923
Replicate Prob(F)									0.0589	1.0000	0.6604	0.2005	0.4397
Treatment F									1.755	0.000	0.708	1.242	0.828
Treatment Prob(F)									0.0953	1.0000	0.7332	0.2943	0.6217

LSU AgCenter SPESS

Halomax, Permit, and Permit Plus Applied at Different Rates

Trial ID:C13-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-31 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
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 No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19
1									3228a	22a	8454a	9476a
2	Halomax	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	3035a	22a	7948a	8908a
	Agri-Dex	100%		1%	v/v			M-L POST				
3	Permit	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	3019a	22a	7906a	8862a
	Agri-Dex	100%		1%	v/v			M-L POST				
4	Permit Plus	75%AW/W		0.25	oz/a	0.0117	lb ai/a	M-L POST	3575a	22a	9362a	10493a
	Agri-Dex	100%		1%	v/v			M-L POST				
5	Halomax	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	3403a	22a	8912a	9988a
	Agri-Dex	100%		1%	v/v			M-L POST				
6	Permit	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	3551a	22a	9299a	10423a
	Agri-Dex	100%		1%	v/v			M-L POST				
7	Permit Plus	75%AW/W		0.5	oz/a	0.0234	lb ai/a	M-L POST	3480a	22a	9113a	10214a
	Agri-Dex	100%		1%	v/v			M-L POST				
8	Halomax	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	3313a	22a	8676a	9724a
	Agri-Dex	100%		1%	v/v			M-L POST				
9	Permit	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	3422a	22a	8961a	10044a
	Agri-Dex	100%		1%	v/v			M-L POST				
10	Permit Plus	75%AW/W		0.75	oz/a	0.035	lb ai/a	M-L POST	3514a	22a	9202a	10314a
	Agri-Dex	100%		1%	v/v			M-L POST				
11	Halomax	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	3123a	22a	8180a	9169a
	Agri-Dex	100%		1%	v/v			M-L POST				
12	Permit	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	3456a	22a	9051a	10145a
	Agri-Dex	100%		1%	v/v			M-L POST				
13	Permit Plus	75%AW/W		1	oz/a	0.047	lb ai/a	M-L POST	3276a	22a	8580a	9616a
	Agri-Dex	100%		1%	v/v			M-L POST				
LSD (P=.05)									522.0	0.0	1367.1	1532.3
Standard Deviation									365.3	0.0	956.7	1072.3
CV									10.94	0.0	10.94	10.94
Replicate F									3.128	0.000	3.128	3.128
Replicate Prob(F)									0.0375	1.0000	0.0375	0.0375
Treatment F									1.084	0.000	1.084	1.084
Treatment Prob(F)									0.4019	1.0000	0.4019	0.4019

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen Weed Control on Conventional Hybrid

Experiment number	:	**C13-32**
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
Planting date	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	XL745
Emergence date	:	4/16
Uniform std. treatment	:	N/A

Application type	:	DPRE	EPOST
Date applied [mm/dd/yy]	:	04/09/13	04/26/13
Time [hh:mm-hh:mm]	:	8:15-8:25am	10:00-10:15am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	72/65	66/63
Relative humidity [%]	:	94	73
Wind [mph, direction]	:	9, SE	2-4, SE
Weather [sunny, etc]	:	cloudy	cloudy
Soil/Leaf surface moist	:	wet/N/A	muddy/dry
Crop stage/Height	:	N/A	N/A
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/23
Applied by	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
ALRPH(3-5m^{-2})	:	1-7"/7-5lf
AESIN(5-10m^{-2})	:	0.5-1"/cot-2lf
BRAPP(25-50m^{-2})	:	0.5-1"/1-2lf
SEBEX(1-3m^{-2})	:	0.5-1"/cot-2lf
ECHCG(25-50m^{-2})	:	0.5-1"/cot-2lf
CYPES(10-20m^{-2})	:	0.5-1"/1-3lf
CYPIR(20-40m^{-2})	:	0.5-1"/1-2lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date									May-7-2013	May-16-2013	May-27-2013	May-7-2013	May-16-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									11 DAT	20 DAT	31 DAT	11 DAT	20 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0c	0d	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	69b	75b	44b	70c	71c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	81a	85ab	78a	79b	81b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	96a	95a	96a	96a	92ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	97a	95a	95a	97a	93ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	97a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	97a	97a	97a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	95a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	97a	97a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									11.5	10.3	21.8	8.4	9.8
Standard Deviation									7.9	7.0	15.0	5.7	6.7
CV									9.69	8.52	19.27	7.1	8.33
Replicate F									1.870	2.692	1.431	2.156	2.812
Replicate Prob(F)									0.1616	0.0687	0.2582	0.1195	0.0609
Treatment F									66.259	82.492	20.652	123.434	88.387
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									BRAPP	AESIN	AESIN	AESIN	ALRPH
Rating Date									May-27-2013	May-7-2013	May-16-2013	May-27-2013	May-7-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									31 DAT	11 DAT	20 DAT	31 DAT	11 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0b	0c	0c	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	49b	97a	86b	93b	30c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	75a	95a	91ab	96ab	44b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	96a	98a	97a	97ab	86a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	93a	97a	94a	97a	80a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	98a	97a	92a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	98a	98a	80a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	93a	98a	98a	97a	84a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	95a	97a	98a	97ab	83a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									23.0	2.3	6.8	2.5	12.6
Standard Deviation									15.7	1.6	4.6	1.7	8.6
CV									20.33	1.84	5.49	2.02	13.42
Replicate F									1.312	0.628	2.951	2.210	0.201
Replicate Prob(F)									0.2935	0.6039	0.0530	0.1130	0.8948
Treatment F									17.717	1669.871	190.001	1383.343	54.955
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									ALRPH	ALRPH	CYPIR	CYPIR	CYPIR
Rating Date									May-16-2013	May-27-2013	May-7-2013	May-16-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									20 DAT	31 DAT	11 DAT	20 DAT	31 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0d	0b	0c	0c
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	36b	31bc	98a	80b	93b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	46b	29c	97a	92a	95ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	71a	44abc	97a	95a	97a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	66a	36abc	97a	89ab	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	81a	53a	97a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	69a	45abc	97a	96a	98a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	70a	43abc	98a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	69a	48ab	97a	97a	95ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									12.5	11.7	2.0	9.9	3.1
Standard Deviation									8.6	8.0	1.3	6.8	2.2
CV									15.14	21.99	1.55	8.19	2.51
Replicate F									0.794	1.114	0.372	4.935	0.214
Replicate Prob(F)									0.5094	0.3630	0.7739	0.0083	0.8859
Treatment F									34.935	15.293	2346.690	86.881	892.902
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									CYPES	CYPES	RICE	RICE	RICE
Rating Date									May-16-2013	May-27-2013	Apr-29-2013	May-7-2013	May-16-2013
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									20 DAT	31 DAT	3 DAT	11 DAT	20 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0b	0c	0c	0c
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	53b	24a	20b	20b	26b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	56ab	34a	21b	33b	36b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	66ab	36a	50a	66a	66a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	63ab	40a	56a	69a	60a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	69a	36a	54a	74a	74a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	64ab	41a	61a	75a	69a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	70a	36a	59a	76a	76a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	69a	30a	46a	59a	64a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									9.8	12.4	13.8	13.3	13.7
Standard Deviation									6.7	8.5	9.5	9.1	9.4
CV									11.9	27.46	23.17	17.41	17.96
Replicate F									10.000	0.659	1.541	1.501	3.043
Replicate Prob(F)									0.0002	0.5855	0.2296	0.2395	0.0484
Treatment F									42.806	9.000	20.891	37.462	30.292
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									May-27-2013	Apr-29-2013	Apr-29-2013	Apr-29-2013	Apr-29-2013
Rating Type									INJURY	STND CT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									%	/18"	cm	cm	cm
Trt-Eval Interval									31 DAT	3 DAT	3 DAT	3 DAT	3 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	10a	14a	13a	10ab
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	21b	9ab	12ab	10a	12a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	20b	6bc	11ab	11a	10ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	44a	7bc	8b	9a	9ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	39ab	6bc	10b	9a	9ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	51a	6bc	9b	9a	8b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	43a	5c	9b	8a	9ab
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	39ab	6bc	9b	9a	8b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	31ab	6bc	10b	9a	8b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									14.1	2.2	3.1	2.8	2.2
Standard Deviation									9.6	1.5	2.1	2.0	1.5
CV									30.17	23.1	21.1	20.41	16.95
Replicate F									0.030	7.315	1.214	1.071	2.079
Replicate Prob(F)									0.9929	0.0012	0.3260	0.3799	0.1297
Treatment F									10.735	3.919	2.938	2.412	3.393
Treatment Prob(F)									0.0001	0.0044	0.0194	0.0455	0.0096

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE	RICE	RICE	RICE
Pest Code													
Rating Date									Apr-29-2013	Apr-29-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type									HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									3 DAT	3 DAT	39 DAT	39 DAT	39 DAT
Number of Decimals									0	0	0	0	0
									26	27	28	29	30
1	Nontreated								10a	12a	64b	69bc	67ab
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	10a	11ab	76a	79a	75a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	11a	11ab	74a	72b	72ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	9a	9b	61b	61cd	64ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	10a	9b	63b	64bcd	62ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	8a	8b	64b	63bcd	62ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	9a	9b	60b	58d	60b
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	8a	8b	59b	64bcd	64ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	9a	9b	63b	67bcd	64ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									2.9	1.8	7.4	6.6	8.5
Standard Deviation									2.0	1.2	5.1	4.6	5.8
CV									21.7	13.28	7.87	6.88	8.86
Replicate F									1.384	1.484	0.983	3.174	2.155
Replicate Prob(F)									0.2717	0.2441	0.4172	0.0425	0.1197
Treatment F									1.137	4.101	5.625	7.499	3.078
Treatment Prob(F)									0.3750	0.0034	0.0004	0.0001	0.0155

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jun-4-2013	Jun-4-2013	Jul-31-2013	Jul-31-2013	Jul-31-2013
Rating Type									HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									39 DAT	39 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0
1	Nontreated								67a	67bc	109b	111a	110b
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	74a	76a	118ab	115a	117ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	75a	73ab	119ab	121a	120ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	64a	62c	118ab	117a	117ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	62a	63c	121ab	121a	121ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	60a	62c	125a	122a	124a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	61a	60c	118ab	122a	120ab
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	61a	62c	123a	121a	122a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	65a	65bc	123a	121a	122a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									9.6	7.0	8.2	7.0	7.1
Standard Deviation									6.6	4.8	5.6	4.8	4.9
CV									10.06	7.32	4.74	4.03	4.1
Replicate F									1.195	2.173	2.292	5.523	4.106
Replicate Prob(F)									0.3327	0.1174	0.1038	0.0050	0.0174
Treatment F									2.765	5.294	2.596	2.461	2.651
Treatment Prob(F)									0.0256	0.0007	0.0336	0.0420	0.0307

LSU AgCenter SPESS

Sharpen Weed Control on Conventional Hybrid

Trial ID:C13-32 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-32 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-31-2013 WEIGHT g HARVEST 0	RICE Jul-31-2013 MOISTURE % HARVEST 0	RICE Jul-31-2013 YIELD LB/A HARVEST 0	RICE Jul-31-2013 YIELD KG/HA HARVEST 0
									36	37	38	39
1	Nontreated								2010b	25a	4700b	5268b
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	2377ab	25a	5557ab	6229ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	3042a	25a	7114a	7974a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	2528ab	25a	5912ab	6627ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	2889a	25a	6755a	7572a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE				
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	2749ab	25a	6427ab	7204ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	2589ab	25a	6054ab	6786ab
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	2512ab	25a	5875ab	6585ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	3065a	25a	7166a	8032a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Regiment	80%		0.00313	lb ai/a	0.0625	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
LSD (P=.05)									549.3	0.0	1284.6	1439.8
Standard Deviation									376.4	0.0	880.2	986.6
CV									14.26	0.0	14.26	14.26
Replicate F									0.453	0.000	0.453	0.453
Replicate Prob(F)									0.7174	1.0000	0.7174	0.7174
Treatment F									3.224	0.000	3.224	3.224
Treatment Prob(F)									0.0124	1.0000	0.0124	0.0124

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen Weed Control on Clearfield Hybrid

Experiment number	:	**C13-33**
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
Planting date	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	XLCL727
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A

Application type	:	DPRE	EPOST
Date applied [mm/dd/yy]	:	04/09/13	04/26/13
Time [hh:mm-hh:mm]	:	8:15-8:25am	10:00-10:15am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	72/65	66/63
Relative humidity [%]	:	94	73
Wind [mph, direction]	:	9, SE	2-4, SE
Weather [sunny, etc]	:	pt. cloudy	cloudy
Soil/Leaf surface moist	:	wet/N/A	muddy/dry
Crop stage/Height	:	N/A	N/A
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/23
Applied by	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
ALRPH(3-5m^{-2})	:	1-7"/7-5lf
AESIN(5-10m^{-2})	:	0.5-1"/cot-2lf
BRAPP(25-50m^{-2})	:	0.5-1"/1-2lf
SEBEX(1-3m^{-2})	:	0.5-1"/cot-2lf
ECHCG(25-50m^{-2})	:	0.5-1"/cot-2lf
CYPES(10-20m^{-2})	:	0.5-1"/1-3lf
CYPIR(20-40m^{-2})	:	0.5-1"/1-2lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date									May-7-2013	May-15-2013	May-27-2013	May-7-2013	May-15-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									11 DAT	19 DAT	31 DAT	11 DAT	19 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0c	0d	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	60c	56b	34b	63c	56c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	76b	60b	36b	84b	61b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	95a	98a	91a	95a	97a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	93a	95a	91a	95a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	98a	98a	95a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	94a	98a	93a	97a	98a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	96a	98a	97a	98a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	97a	97a	95a	98a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									4.8	4.2	5.7	4.2	4.1
Standard Deviation									3.3	2.9	3.9	2.9	2.8
CV									4.21	3.68	5.59	3.54	3.56
Replicate F									0.720	0.841	1.552	1.329	1.081
Replicate Prob(F)									0.5499	0.4851	0.2269	0.2882	0.3759
Treatment F									374.642	555.890	349.233	514.596	591.631
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG	AESIN	AESIN	AESIN	ALRPH
Pest Code													
Rating Date									May-27-2013	May-7-2013	May-15-2013	May-27-2013	May-7-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									31 DAT	11 DAT	19 DAT	31 DAT	11 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
1	Nontreated								0c	0d	0d	0b	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	36b	75c	88c	95a	48c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	33b	84b	92b	95a	59b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	95a	97a	97a	97a	84a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	92a	97a	98a	96a	85a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	98a	98a	97a	90a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	96a	98a	97a	97a	85a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	97a	98a	98a	97a	86a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	95a	97a	97a	95a	90a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									5.5	4.8	3.3	3.7	9.3
Standard Deviation									3.8	3.3	2.3	2.5	6.4
CV									5.31	3.99	2.67	2.96	9.15
Replicate F									0.335	0.824	1.288	0.696	1.425
Replicate Prob(F)									0.8004	0.4933	0.3013	0.5633	0.2601
Treatment F									395.282	377.270	801.119	643.895	89.130
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH May-15-2013 CONTROL % 19 DAT 0	ALRPH May-27-2013 CONTROL % 31 DAT 0	CYPES May-15-2013 CONTROL % 19 DAT 0	CYPES May-27-2013 CONTROL % 31 DAT 0	CYPIR May-7-2013 CONTROL % 11 DAT 0
									11	12	13	14	15
1	Nontreated								0c	0c	0b	0d	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	45b	30b	46a	29c	75c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	54b	33b	53a	30c	81b
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	76a	40b	60a	31c	97a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	71a	40b	56a	38ab	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	80a	61a	60a	30c	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	75a	43b	60a	30c	95a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	76a	46b	59a	39a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	71a	45b	59a	33bc	96a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									10.5	10.6	8.7	5.0	4.9
Standard Deviation									7.2	7.3	6.0	3.4	3.4
CV									11.85	19.43	11.89	11.92	4.13
Replicate F									0.581	0.087	0.854	0.690	2.253
Replicate Prob(F)									0.6332	0.9664	0.4781	0.5672	0.1080
Treatment F									50.401	20.935	42.107	43.759	353.041
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR May-15-2013 CONTROL % 19 DAT 0	CYPIR May-27-2013 CONTROL % 31 DAT 0	RICE Apr-29-2013 INJURY % 3 DAT 0	RICE May-7-2013 INJURY % 11 DAT 0	RICE May-15-2013 INJURY % 19 DAT 0
									16	17	18	19	20
1	Nontreated								0d	0b	0d	0e	0e
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	76c	95a	20c	21d	13d
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	88b	92a	24c	20d	16d
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	97a	95a	54b	63ab	69ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	96a	95a	55b	56bc	43c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	97a	53b	53bc	66ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	97a	97a	53b	55bc	65ab
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	98a	97a	73a	74a	80a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	95a	95a	44b	45c	59b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									4.0	4.0	11.5	12.1	11.5
Standard Deviation									2.7	2.7	7.9	8.3	7.9
CV									3.31	3.22	18.98	19.28	17.27
Replicate F									1.201	0.321	0.757	2.499	1.286
Replicate Prob(F)									0.3306	0.8104	0.5293	0.0838	0.3018
Treatment F									540.082	542.967	32.530	33.527	54.432
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE May-27-2013 INJURY % 31 DAT 0	RICE Apr-29-2013 COUNT /18" 3 DAT 0	RICE Apr-29-2013 HEIGHT cm 3 DAT 0	RICE Apr-29-2013 HEIGHT cm 3 DAT 0	RICE Apr-29-2013 HEIGHT cm 3 DAT 0
									21	22	23	24	25
1	Nontreated								0e	12a	13a	12a	11ab
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	20d	8b	12a	12a	12a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	24cd	8b	12ab	11a	11ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	40abc	6b	8bc	7b	8c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	33bcd	7b	10abc	9ab	8bc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	31bcd	8b	9abc	10ab	9abc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	34bcd	7b	10abc	9ab	9bc
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	54a	7b	7c	7b	8c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	45ab	8b	10abc	9ab	10abc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									11.5	2.9	2.7	2.6	2.2
Standard Deviation									7.8	2.0	1.8	1.8	1.5
CV									25.22	25.98	18.23	18.75	16.2
Replicate F									4.180	1.481	0.825	0.855	1.239
Replicate Prob(F)									0.0163	0.2448	0.4933	0.4779	0.3175
Treatment F									15.744	2.755	4.061	5.520	4.976
Treatment Prob(F)									0.0001	0.0260	0.0036	0.0005	0.0010

LSU AgCenter SPESS

Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Apr-29-2013 HEIGHT cm 3 DAT 0 26	RICE Apr-29-2013 AVG HEIGHT cm 3 DAT 0 27	RICE Jun-4-2013 HEIGHT cm 39 DAT 0 28	RICE Jun-4-2013 HEIGHT cm 39 DAT 0 29	RICE Jun-4-2013 HEIGHT cm 39 DAT 0 30
1	Nontreated								11a	12ab	73a	73a	73a
2	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	DPRE	11a	12a	68ab	68abc	68ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85LBA/GAL		0.0445	lb ai/a	2	oz/a	DPRE	12a	12ab	75a	71ab	71a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85LBA/GAL		0.0445	lb ai/a	2	oz/a	DPRE	10ab	8c	62bc	62bc	63ab
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	DPRE	10ab	9c	64bc	64bc	64ab
	Command	3LBA/GAL		0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3LBA/GAL		0.3	lb ai/a	12.8	oz/a	DPRE	9ab	9c	65bc	65bc	65ab
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2LBA/GAL		0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3LBA/GAL		0.3	lb ai/a	12.8	oz/a	DPRE	8b	9c	65bc	66abc	65ab
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	DPRE	7b	7c	59c	59c	59b
	Command	3LBA/GAL		0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2LBA/GAL		0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	DPRE	10ab	10bc	64bc	63bc	65ab
	Command	3LBA/GAL		0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1LBA/GAL		0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									2.1	1.7	5.4	5.4	6.4
Standard Deviation									1.4	1.2	3.7	3.7	4.4
CV									14.9	12.21	5.58	5.69	6.7
Replicate F									0.377	1.179	0.693	0.082	0.491
Replicate Prob(F)									0.7705	0.3386	0.5653	0.9692	0.6921
Treatment F									5.241	8.508	7.956	5.282	3.721
Treatment Prob(F)									0.0007	0.0001	0.0001	0.0007	0.0058

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Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-4-2013 HEIGHT cm 39 DAT 0	Jun-4-2013 AVG HEIGHT cm 39 DAT 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HEIGHT cm HARVEST 0
	Pest Code								RICE		RICE	RICE	RICE
	Rating Date								Jun-4-2013	Jun-4-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
	Rating Type								HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
	Rating Unit								cm	cm	cm	cm	cm
	Trt-Eval Interval								39 DAT	39 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0
									31	32	33	34	35
1	Nontreated								74a	73a	113a	115a	114a
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	69ab	68ab	120a	121a	120a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	73ab	72a	116a	118a	117a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	65bc	63bc	112a	115a	113a
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	64bc	64bc	123a	123a	123a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	64bc	65bc	125a	123a	124a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	63bc	65bc	118a	121a	119a
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	59c	59c	124a	123a	123a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	63bc	64bc	119a	122a	121a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE					
	SoySurf Xtra	100%				1%	v/v	DPRE					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								6.1	5.0	11.2	11.1	10.8
	Standard Deviation								4.2	3.4	7.6	7.6	7.4
	CV								6.4	5.24	6.44	6.33	6.21
	Replicate F								0.252	0.039	0.748	0.686	0.692
	Replicate Prob(F)								0.8588	0.9896	0.5344	0.5693	0.5661
	Treatment F								5.193	7.041	1.539	0.737	1.142
	Treatment Prob(F)								0.0008	0.0001	0.1961	0.6585	0.3721

LSU AgCenter SPESS

Sharpen Weed Control on Clearfield Hybrid

Trial ID:C13-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-33 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-31-2013 WEIGHT g HARVEST 0 (36)	RICE Jul-31-2013 MOISTURE % HARVEST 0 (37)	RICE Jul-31-2013 YIELD LB/A HARVEST 0 (38)	RICE Jul-31-2013 YIELD KG/HA HARVEST 0 (39)
1	Nontreated								2346bc	24a	3006bc	3370bc
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	2224c	24a	2850c	3194c
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
3	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	2305bc	24a	2954bc	3312bc
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	oz/a	DPRE	2648abc	24a	3394abc	3804abc
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	3095a	24a	3966a	4445a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE				
	SoySurf Xtra	100%		1%	v/v	1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	2913ab	24a	3733ab	4184ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE	2562abc	24a	3284abc	3681abc
	Broadhead	70%		0.4	lb ai/a	9.1	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	2698abc	24a	3457abc	3875abc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE				
	SoySurf Xtra	100%				1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	2817abc	24a	3610abc	4046abc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	DPRE				
	SoySurf Xtra	100%				1%	v/v	DPRE				
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST				
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	oz/a	EPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
LSD (P=.05)									398.6	0.0	510.8	572.6
Standard Deviation									273.1	0.0	350.0	392.3
CV									10.41	0.0	10.41	10.41
Replicate F									3.211	0.000	3.211	3.211
Replicate Prob(F)									0.0409	1.0000	0.0409	0.0409
Treatment F									4.632	0.000	4.632	4.632
Treatment Prob(F)									0.0016	1.0000	0.0016	0.0016

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Weed Control with Sharpen and Facet L

Experiment number	:	**C13-34**
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
Planting date	:	3/27/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A

Application type	:	DPRE	EPOST
Date applied [mm/dd/yy]	:	04/09/13	04/26/13
Time [hh:mm-hh:mm]	:	8:30-8:40am	10:15-10:30am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	72/66	66/63
Relative humidity [%]	:	93	73
Wind [mph, direction]	:	8-10, SE	2-4, SE
Weather [sunny, etc]	:	cloudy	cloudy
Soil/Leaf surface moist	:	wet/N/A	muddy/dry
Crop stage/Height	:	N/A	N/A
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/24	15/23
Applied by	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
CYPES(7-10m^{-2})	:	3-5"/3-6lf
ECHCG(100-150m^{-2})……..	:	1-2"/1-2lf
BRAPP(100-150m^{-2})	:	0.5-1"/1-2lf
ALRPH(4-5m^{-2})	:	3-7"/7-15lf
AESIN(5-10m^{-2})	:	0.5-1"/1-2lf
CYPIR(20-40m^{-2})	:	0.5-1"/1-2lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date									May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									11 DAT	27 DAT	46 DAT	60 DAT	11 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0c	0c	0b	0b
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	95a	91b	79b	79a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	98a	93ab	89a	86a	97a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	98a	97a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	97a	98a	97a	99a	97a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	98a	98a	98a	99a	98a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	98a	98a	98a	99a	98a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	98a	95ab	96a	89a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									2.2	4.1	6.8	15.1	1.4
Standard Deviation									1.5	2.8	4.6	10.3	1.0
CV									1.72	3.35	5.62	12.69	1.15
Replicate F									0.636	2.123	1.900	2.868	0.778
Replicate Prob(F)									0.5999	0.1277	0.1606	0.0609	0.5195
Treatment F									2201.480	584.682	215.588	42.729	4937.630
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG	AESIN	ALRPH
Rating Date								May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013	May-7-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								27 DAT	46 DAT	60 DAT	11 DAT	11 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0c	0d	0c	0b	0d
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	83b	70c	71b	89a	46c
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	92ab	82b	92a	92a	59b
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	95a	98a	99a	97a	66ab
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	95a	97a	99a	98a	64ab
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	97a	98a	98a	97a	70ab
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	96a	98a	98a	97a	74a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	92ab	97a	84ab	98a	76a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									7.6	5.7	15.2	6.0	9.7
Standard Deviation									5.1	3.9	10.3	4.1	6.6
CV									6.34	4.88	12.9	4.93	11.55
Replicate F									1.373	1.544	1.502	0.772	0.434
Replicate Prob(F)									0.2784	0.2326	0.2430	0.5228	0.7306
Treatment F									165.252	302.379	42.722	270.657	57.186
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH	CYPES	CYPES
Rating Date								May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013	May-23-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								27 DAT	46 DAT	60 DAT	11 DAT	27 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0c	0b	0c	0c	0b
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	76ab	76a	63b	35b	78a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	73b	75a	80ab	35b	75a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	85ab	88a	81ab	51ab	85a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	89a	80a	93a	43ab	78a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	78ab	86a	86ab	56a	80a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	83ab	84a	83ab	58a	86a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	78ab	74a	63b	60a	79a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									9.6	13.9	17.9	12.4	11.2
Standard Deviation									6.5	9.4	12.2	8.4	7.6
CV									9.29	13.43	17.78	20.01	10.91
Replicate F									2.598	2.162	0.964	2.762	0.357
Replicate Prob(F)									0.0793	0.1228	0.4282	0.0675	0.7845
Treatment F									78.169	37.417	23.720	21.764	55.867
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									CYPES	CYPES	CYPIR	COMDI	RICE
Rating Date									Jun-11-2013	Jun-25-2013	May-7-2013	May-7-2013	May-7-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									46 DAT	60 DAT	11 DAT	11 DAT	11 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0b	0b	0c	0c
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	96c	96a	88a	64b	14b
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	96bc	94a	91a	65ab	21a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	98a	98a	89a	73ab	20a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	97ab	99a	95a	80a	26a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	98a	99a	93a	78ab	28a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	98a	98a	91a	70ab	25a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	97ab	97a	90a	70ab	21a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									1.1	5.0	7.6	10.0	5.3
Standard Deviation									0.7	3.4	5.2	6.8	3.6
CV									0.87	4.02	6.49	10.95	18.46
Replicate F									2.973	2.940	0.840	2.073	0.814
Replicate Prob(F)									0.0550	0.0568	0.4874	0.1345	0.5005
Treatment F									8647.686	405.109	155.906	57.096	24.977
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-23-2013	Jun-11-2013	Jun-25-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								27 DAT	46 DAT	60 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated								0a	0a	0a	98a	102b
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	1a	0a	0a	108a	103b
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	3a	0a	0a	107a	108ab
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	1a	0a	0a	114a	114a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	5a	0a	0a	108a	107ab
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	1a	0a	0a	110a	109ab
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	1a	0a	0a	106a	107ab
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	4a	0a	0a	109a	108ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									4.5	0.0	0.0	9.4	6.0
Standard Deviation									3.1	0.0	0.0	6.4	4.1
CV									151.04	0.0	0.0	5.98	3.81
Replicate F									0.747	0.000	0.000	0.664	0.845
Replicate Prob(F)									0.5362	1.0000	1.0000	0.5833	0.4845
Treatment F									1.126	0.000	0.000	1.907	3.430
Treatment Prob(F)									0.3840	1.0000	1.0000	0.1192	0.0132

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Weed Control with Sharpen and Facet L

Trial ID:C13-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-34 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								AVG HEIGHT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								cm	g	%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Nontreated								100a	2656c	23a	6550c	7342c
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	106a	3960a	23a	9765a	10945a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	107a	2987bc	23a	7367bc	8257bc
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	114a	3938a	23a	9711a	10885a
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	DPRE	107a	3698ab	23a	9120ab	10222ab
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	oz/a	DPRE					
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	EPOST	109a	3689ab	23a	9097ab	10196ab
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Stam M4	4	LBA/GAL	3	lb ai/a	96	oz/a	EPOST	106a	3177bc	23a	7835bc	8782bc
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Broadhead	70%		0.136	lb ai/a	3.1	oz/a	EPOST	108a	3632ab	23a	8958ab	10040ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									7.4	504.5	0.0	1244.1	1394.5
Standard Deviation									5.0	343.0	0.0	845.9	948.1
CV									4.68	9.89	0.0	9.89	9.89
Replicate F									0.787	2.262	0.000	2.262	2.262
Replicate Prob(F)									0.5147	0.1109	1.0000	0.1109	0.1109
Treatment F									2.447	7.606	0.000	7.606	7.606
Treatment Prob(F)									0.0531	0.0001	1.0000	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Evaluation of Command with Surfactants at EPOST

Experiment number	**C13-35**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	3/27/2013
Harvest date	7/29/2013
Crop/Variety	CL111
Emergence date	4/16/2013
Uniform std. treatment	Command at 12.8 fl oz/A PRE; Permit at 1 oz/A + 1% COC LPOST

Application type	PRE	EPOST	OVERSPRAY
Date applied [mm/dd/yy]	03/29/13	04/18/13	05/07/13
Time [hh:mm-hh:mm]	9:00-9:30am	10:50-11:40am	11:30-11:45am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	53/41	81/74	78/76
Relative humidity [%]	89	69	53
Wind [mph, direction]	0-2, SSE	15-20, S	3-5, NW
Weather [sunny, etc]	cloudy	cloudy	sunny
Soil/Leaf surface moist	dry/dry	wet/dry	dry/dry
Crop stage/Height	N/A	N/A	4-5lf/3-6"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/22.5	15/23
Applied by	EPW	EPW	BMM

Flush Dates	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	5/17/2013

*AMFF – Air mix flat fan nozzles
*Overspray Permit 1 oz.

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Evaluation of Command with Surfactants at EPOST

Trial ID:C13-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-35 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	ECHCG	RICE	RICE	RICE
Rating Date									Jun-11-2013	Jun-11-2013	May-7-2013	May-7-2013	May-27-2013
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									54 DAT	54 DAT	19 DAT	19 DAT	39 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	38c	21f	1b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	38c	34ef	0b
	MSO	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	36c	31ef	1b
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	61b	36def	1b
	No surfactant												
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	99a	73ab	53bcd	16b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	99a	59b	45cde	9b
	MSO	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	74ab	60abc	8b
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	99a	71ab	66ab	14b
	No surfactant												
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	99a	99a	90a	68ab	65a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	99a	99a	85a	78a	63a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	98a	99a	84a	75a	55a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	99a	99a	89a	75a	63a
	No surfactant												
13	Nontreated								99a	99a	0d	0g	0b
LSD (P=.05)									0.6	0.5	14.5	13.6	11.1
Standard Deviation									0.4	0.4	10.2	9.5	7.8
CV									0.45	0.37	16.6	19.34	34.17
Replicate F									2.182	0.581	2.374	1.626	0.960
Replicate Prob(F)									0.1071	0.6315	0.0863	0.2004	0.4223
Treatment F									1.749	1.452	27.569	25.038	49.670
Treatment Prob(F)									0.0967	0.1885	0.0001	0.0001	0.0001

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Evaluation of Command with Surfactants at EPOST

Trial ID:C13-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-35 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-11-2013	Jun-11-2013	Jun-11-2013	Jun-11-2013	Jun-11-2013
Rating Type								INJURY	STUNTING	HEIGHT	HEIGHT	HEIGHT
Rating Unit								%	%	cm	cm	cm
Trt-Eval Interval								54 DAT	54 DAT	54 DAT	54 DAT	54 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	0a	3bc	83ab	84a	82a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	0a	0c	82ab	84a	81a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	0a	3bc	84ab	84a	83a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	0a	0c	77ab	77ab	81a
	No surfactant												
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	0a	8bc	81ab	83a	79a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	0a	8bc	81ab	80ab	83a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	0a	15b	81ab	81ab	79a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	0a	11bc	81ab	80ab	81a
	No surfactant												
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	0a	33a	72b	71b	74a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	0a	30a	72b	74ab	78a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	0a	33a	77ab	77ab	78a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	0a	28a	73b	72b	76a
	No surfactant												
13	Nontreated								0a	3bc	86a	83a	82a
LSD (P=.05)									0.0	8.3	6.8	6.3	6.9
Standard Deviation									0.0	5.8	4.7	4.4	4.9
CV									0.0	44.14	5.99	5.58	6.1
Replicate F									0.000	3.957	0.143	2.144	1.548
Replicate Prob(F)									1.0000	0.0155	0.9333	0.1116	0.2190
Treatment F									0.000	19.673	3.625	4.556	1.310
Treatment Prob(F)									1.0000	0.0001	0.0013	0.0002	0.2554

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Evaluation of Command with Surfactants at EPOST

Trial ID:C13-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-35 Investigator:Eric P. Webster

Pest Code								RICE		RICE	RICE	RICE
Rating Date								Jun-11-2013	Jun-11-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								cm	cm	cm	cm	cm
Trt-Eval Interval								54 DAT	54 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	85a	83a	116a	115a	116a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	83a	83a	112a	110a	111a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	81a	83a	111a	110a	111a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	81a	79ab	111a	111a	111a
	No surfactant												
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	81a	81ab	111a	112a	111a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	82a	81ab	115a	115a	115a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	81a	80ab	115a	113a	114a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	81a	81ab	112a	116a	114a
	No surfactant												
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	75a	73b	111a	110a	111a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	74a	75ab	111a	110a	111a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	75a	77ab	113a	109a	111a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	77a	74ab	110a	110a	110a
	No surfactant												
13	Nontreated								73a	81ab	113a	114a	114a
LSD (P=.05)									11.1	5.6	5.4	5.2	4.5
Standard Deviation									7.8	3.9	3.8	3.7	3.1
CV									9.88	4.91	3.35	3.27	2.8
Replicate F									0.070	0.617	5.414	3.788	6.368
Replicate Prob(F)									0.9758	0.6087	0.0035	0.0185	0.0014
Treatment F									0.937	3.222	0.998	1.722	1.514
Treatment Prob(F)									0.5221	0.0032	0.4702	0.1028	0.1643

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Evaluation of Command with Surfactants at EPOST

Trial ID:C13-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-35 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
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 No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	3179ab	21a	4107ab	4604ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	3185ab	21a	4116ab	4613ab
	MSO	100%		1%	v/v	1%	v/v	EPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	3374ab	21a	4360ab	4887ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	3264ab	21a	4217ab	4727ab
	No surfactant											
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	3019b	21a	3901b	4373b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	2919b	21a	3772b	4228b
	MSO	100%		1%	v/v	1%	v/v	EPOST				
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	3336ab	21a	4311ab	4832ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST				
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	3639a	21a	4702a	5270a
	No surfactant											
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	3023b	21a	3906b	4377b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST				
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	2921b	21a	3775b	4231b
	MSO	100%		1%	v/v	1%	v/v	EPOST				
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	2975b	21a	3844b	4309b
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST				
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	2919b	21a	3772b	4228b
	No surfactant											
13	Nontreated								3259ab	21a	4211ab	4720ab
LSD (P=.05)									377.7	0.0	488.0	547.0
Standard Deviation									264.3	0.0	341.5	382.7
CV									8.38	0.0	8.38	8.38
Replicate F									6.475	0.000	6.475	6.475
Replicate Prob(F)									0.0013	1.0000	0.0013	0.0013
Treatment F									2.735	0.000	2.735	2.735
Treatment Prob(F)									0.0097	1.0000	0.0097	0.0097

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Evaluation of Command Applied EPOST

Experiment number..... : **C13-36**
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
Planting date ..... : 3/27/2013
Harvest date..... : 7/29/2013
Crop/Variety ..... : CL111
Emergence date..... : 4/16/2013
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 04/18/13
Time [hh:mm-hh:mm]..... : 9:50-10:50am
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 78/74
Relative humidity [%] ..... : 77
Wind [mph, direction] ..... : 14-18, SE
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 2-3lf
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/22.5
Applied by ..... : EPW

Weed Species (population)..... :- (height/#leaves) -
AESIN(15-30m^{-2}) ..... : 1-2"/cot-2lf
SEBEX(2-5m^{-2}) ..... : 0.5-1"/cot-2lf
CYPES(15-20m^{-2})……..:.. : 1-3"/3-6lf
ALRPH(5-10m^{-2}) ..... : 1-6"/6-15lf
BRAPP(75-100m^{-2}) ..... : 0.25-0.5"/1-2lf
ECHCG(25-50m^{-2}) ..... : 0.25-0.5"/1-2lf

Flush Dates..... : 4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood ..... : 5/17/2013

*AMFF – Air mix flat fan nozzles

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date								May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								19 DAT	35 DAT	54 DAT	68 DAT	19 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	89a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	95a	99a	97a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	97a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	98a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	97a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	97a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	99a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	94a	98a	99a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	ECHCG
Rating Date								May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								19 DAT	35 DAT	54 DAT	68 DAT	19 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
17	No Herbicide								84a	96a	92a	94a	87ab
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Halomax	75%AW/W		0.047lb ai/a		1oz/a		EPOST					
18	No Herbicide								77a	80a	78ab	79b	72b
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035lb ai/a		0.75oz/a		EPOST					
19	No Herbicide								78a	82a	65bc	63c	83ab
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2LBA/GAL		0.0156lb ai/a		1.0fl oz/a		EPOST					
20	No Herbicide								98a	87a	98a	98a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5LBA/GAL		0.5lb ai/a		42.7fl oz/a		EPOST					
21	No Herbicide								98a	98a	94a	94a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75LBA/GAL		0.314lb ai/a		23fl oz/a		EPOST					
22	No Herbicide								81a	89a	66bc	79b	88ab
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08fl oz/a		EPOST					
23	No Herbicide								53b	62b	55c	15d	75ab
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625lb ai/a		1oz/a		EPOST					
24	No Herbicide								0c	0c	0d	0e	0c
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
LSD (P=.05)									11.5	13.1	15.0	8.4	13.3
Standard Deviation									8.1	9.2	10.6	6.0	9.4
CV									9.14	10.35	11.99	6.84	10.39
Replicate F									0.662	2.749	1.763	2.054	0.542
Replicate Prob(F)									0.5782	0.0493	0.1624	0.1144	0.6553
Treatment F									29.025	20.366	18.366	77.181	19.565
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	AESIN	AESIN
Rating Date									May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013	May-23-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									35 DAT	54 DAT	68 DAT	19 DAT	35 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	96a	99a	97a	97a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	99a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	96a	98a	96a	97a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	99a	99a	97a	93a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	99a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	99a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	99a	99a	90a	96a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	98a	98a	95a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	98a	98a	95a	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	99a	99a	98a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	99a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	99a	98a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	99a	99a	98a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	98a	98a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	AESIN	AESIN
Rating Date									May-23-2013	Jun-11-2013	Jun-25-2013	May-7-2013	May-23-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									35 DAT	54 DAT	68 DAT	19 DAT	35 DAT
Number of Decimals									0	0	0	0	0
17	No Herbicide								88a	86a	82b	97a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					
18	No Herbicide								87a	78b	75bc	98a	93a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								71b	30d	73c	97a	96a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								88a	99a	97a	97a	90a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								98a	99a	99a	98a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								89a	87a	78bc	94a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								68b	55c	50d	91a	80b
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								0c	0e	0e	0b	0c
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
LSD (P=.05)									11.5	7.5	7.0	6.5	6.9
Standard Deviation									8.1	5.3	5.0	4.6	4.9
CV									9.11	6.04	5.61	4.95	5.3
Replicate F									4.657	2.865	1.152	0.865	1.663
Replicate Prob(F)									0.0051	0.0429	0.3346	0.4637	0.1831
Treatment F									25.985	88.401	81.966	74.860	67.285
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date									Jun-11-2013	Jun-25-2013	May-7-2013	May-23-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									54 DAT	68 DAT	19 DAT	35 DAT	54 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	98a	96a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	98a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	96a	98a	97a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	98a	92a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	99a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	99a	98a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	92a	89a	98a	96a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	86a	89a	98a	98a	87a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	95a	92a	97a	95a	86a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	98a	97a	96a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	98a	98a	97a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	99a	98a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	99a	98a	97a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	99a	98a	98a	96a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	94a	90a	98a	94a	91a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
17	No Herbicide								99a	99a	98a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW/W		0.047	lb ai/a	1	oz/a	EPOST					

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								AESIN	AESIN	SEBEX	SEBEX	SEBEX
	Rating Date								Jun-11-2013	Jun-25-2013	May-7-2013	May-23-2013	Jun-11-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								54 DAT	68 DAT	19 DAT	35 DAT	54 DAT
	Number of Decimals								0	0	0	0	0
18	No Herbicide								94a	99a	98a	92a	84a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								87a	92a	97a	95a	77a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								98a	96a	98a	91a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								99a	99a	98a	98a	99a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								99a	99a	98a	98a	99a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								96a	91a	98a	90a	96a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								0b	0b	0b	0b	0b
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
	LSD (P=.05)								8.2	8.4	0.6	6.1	13.4
	Standard Deviation								5.8	5.9	0.4	4.3	9.5
	CV								6.27	6.4	0.46	4.67	10.37
	Replicate F								3.937	0.698	0.657	2.753	0.890
	Replicate Prob(F)								0.0118	0.5564	0.5812	0.0491	0.4506
	Treatment F								47.676	45.873	8404.677	84.466	18.432
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date									Jun-25-2013	May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									68 DAT	19 DAT	35 DAT	54 DAT	68 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	45bc	83a-d	8c	18bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	65abc	88abc	35bc	35bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW	/W	0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	53abc	82a-d	0c	13bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	64abc	75a-d	0c	5cd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	93ab	95a	43b	45b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	64abc	80a-d	5c	13bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	99a	65abc	71a-d	0c	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW	/W	0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	95ab	30c	60cd	0c	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	68abc	75a-d	10c	15bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	94ab	69abc	81a-d	13c	13bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%AW	/W	0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	96a	79abc	70a-d	0c	10bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	60abc	66a-d	0c	5cd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	93ab	92ab	70a	70a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	79abc	84a-d	0c	43bc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	99a	59abc	74a-d	5c	8cd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%AW	/W	0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	94ab	58abc	63cd	0c	8cd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
17	No Herbicide								99a	53abc	60cd	5c	20bcd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST					

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Pest Code							SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date							Jun-25-2013	May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							68 DAT	19 DAT	35 DAT	54 DAT	68 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
18	No Herbicide								94ab	68abc	74a-d	5c	26bcd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								92ab	66abc	73a-d	0c	23bcd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								99a	55abc	55d	0c	5cd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								99a	97a	88abc	90a	80a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								99a	69abc	73a-d	5c	10bcd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								87b	67abc	64bcd	5c	25bcd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								0c	0d	0e	0c	0d
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
LSD (P=.05)									5.8	27.7	15.8	20.7	20.9
Standard Deviation									4.1	19.6	11.2	14.6	14.8
CV									4.39	31.08	15.55	118.06	73.07
Replicate F									3.315	1.055	2.857	2.434	1.436
Replicate Prob(F)									0.0249	0.3741	0.0433	0.0722	0.2397
Treatment F									96.570	4.192	10.998	10.371	8.024
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
	Pest Code								CNPPA	CYPES	CYPES	CYPES	CYPES
	Rating Date								May-7-2013	May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								19 DAT	19 DAT	35 DAT	54 DAT	68 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	95a	88abc	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	97a	97a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	23f	33e	5c	13c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	68cd	66bcd	0c	5c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	95a	95a	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	97a	96a	99a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	81abc	87abc	83a	73b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	77a	73bc	91ab	10c	10c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	95a	95a	99a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	94a	93ab	98a	96a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	53e	71a-d	5c	15c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	58de	73a-d	5c	8c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	91a	91ab	97a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	97a	93ab	98a	99a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	86ab	80a-d	92a	87a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	81abc	82abc	58b	5c
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
17	No Herbicide								96a	97a	86abc	99a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
Pest Code									CNPPA	CYPES	CYPES	CYPES	CYPES
Rating Date									May-7-2013	May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									19 DAT	19 DAT	35 DAT	54 DAT	68 DAT
Number of Decimals									0	0	0	0	0
18	No Herbicide								94a	95a	93ab	96a	97a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								86a	24f	58d	5c	89a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								96a	45e	64cd	5c	5c
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								98a	97a	92ab	99a	99a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								97a	97a	97a	96a	98a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								97a	92a	83abc	97a	97a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								0b	0g	0f	0c	0c
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
LSD (P=.05)									13.3	11.4	16.0	9.6	13.1
Standard Deviation									9.4	8.1	11.3	6.8	9.3
CV									10.22	10.6	14.32	10.57	14.12
Replicate F									1.116	5.778	3.184	0.984	0.801
Replicate Prob(F)									0.3488	0.0014	0.0291	0.4055	0.4977
Treatment F									18.434	48.795	16.285	168.828	83.907
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
	Pest Code								COMDI	RICE	RICE	RICE	RICE
	Rating Date								May-7-2013	May-7-2013	May-23-2013	Jun-11-2013	Jun-25-2013
	Rating Type								CONTROL	INJURY	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								19 DAT	19 DAT	35 DAT	54 DAT	68 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	95a	1d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	0d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	93a	5cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	0d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	97a	1d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	98a	3cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	93a	1d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	91a	0d	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	5cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	4cd	3a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	20a	1b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	4cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	4cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	11bc	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	98a	11bc	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	97a	14b	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
17	No Herbicide								96a	4cd	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	COMDI May-7-2013 CONTROL % 19 DAT 0	RICE May-7-2013 INJURY % 19 DAT 0	RICE May-23-2013 INJURY % 35 DAT 0	RICE Jun-11-2013 INJURY % 54 DAT 0	RICE Jun-25-2013 INJURY % 68 DAT 0
									26	27	28	29	30
18	No Herbicide								93a	1d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								29c	5cd	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Aim	2LBA/GAL		0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								48b	0d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Facet L	1.5LBA/GAL		0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								93a	0d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Grasp Xtra	1.75LBA/GAL		0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								94a	1d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								23c	0d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								0d	0d	0b	0a	0a
	Agri-Dex	100%		1% v/v		1% v/v		EPOST					
	No herbicide												
LSD (P=.05)									7.4	5.4	1.1	0.0	0.0
Standard Deviation									5.2	3.8	0.8	0.0	0.0
CV									6.22	98.91	492.65	0.0	0.0
Replicate F									2.487	0.951	1.611	0.000	0.000
Replicate Prob(F)									0.0677	0.4209	0.1946	1.0000	1.0000
Treatment F									115.640	7.432	2.121	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0088	1.0000	1.0000

LSU AgCenter SPESS

Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0 31	RICE Jul-29-2013 HEIGHT cm HARVEST 0 32	RICE Jul-29-2013 AVG HEIGHT cm HARVEST 0 33	RICE Jul-29-2013 WEIGHT g HARVEST 0 34	RICE Jul-29-2013 MOISTURE % HARVEST 0 35
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	109a	110a	110a	3606ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	110a	107a	109a	3706ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	107a	105a	106a	3138abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	111a	109a	110a	3220abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	113a	112a	112a	3488abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	115a	114a	114a	3494abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	112a	111a	111a	3315abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	108a	109a	108a	3372abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	110a	108a	109a	3806ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	112a	112a	112a	3780ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	106a	109a	107a	3454abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	109a	110a	109a	3226abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	111a	110a	111a	3628ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	109a	109a	109a	3721ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	111a	109a	110a	3560ab	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	108a	107a	108a	3819a	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No herbicide												
17	No Herbicide								112a	110a	111a	3431abc	23a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz/a	EPOST					

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT	MOISTURE
Rating Unit								cm	cm	cm	g	%
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35
18	No Herbicide								110a	110a	110a	2925bc	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
19	No Herbicide								107a	106a	106a	2704cd	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST					
20	No Herbicide								111a	112a	111a	3374abc	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST					
21	No Herbicide								112a	111a	111a	3624ab	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST					
22	No Herbicide								109a	109a	109a	3438abc	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Strada Pro					2.08	fl oz/a	EPOST					
23	No Herbicide								108a	104a	106a	3156abc	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	Londax	10%	AW/W	0.00625	lb ai/a	1	oz/a	EPOST					
24	No Herbicide								106a	107a	106a	2325d	23a
	Agri-Dex	100%			1% v/v		1% v/v	EPOST					
	No herbicide												
LSD (P=.05)									5.3	5.9	5.0	483.3	0.0
Standard Deviation									3.7	4.2	3.5	341.8	0.0
CV									3.41	3.83	3.2	10.09	0.0
Replicate F									5.779	4.489	6.471	0.278	0.000
Replicate Prob(F)									0.0014	0.0062	0.0006	0.8412	1.0000
Treatment F									1.404	1.285	1.486	4.371	0.000
Treatment Prob(F)									0.1415	0.2110	0.1059	0.0001	1.0000

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 YIELD LB/A HARVEST 0 36	RICE Jul-29-2013 YIELD KG/HA HARVEST 0 37
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	8861ab	9931ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	9106ab	10207ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Permit Plus	75%AW	/W	0.035	lb ai/a	0.75	oz/a	EPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	7711abc	8643abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	7911abc	8867abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	8569abc	9605abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST		
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	8585abc	9623abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Strada Pro					2.08	fl oz/a	EPOST		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	8144abc	9129abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Londax	10%AW	/W	0.00625	lb ai/a	1	oz/a	EPOST		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	8285abc	9286abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	No herbicide									
9	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	9353ab	10483ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST		
10	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	9288ab	10411ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Permit Plus	75%AW	/W	0.035	lb ai/a	0.75	oz/a	EPOST		
11	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	8488abc	9513abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST		
12	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	7928abc	8886abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST		
13	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	8915ab	9992ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST		
14	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	9143ab	10247ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Strada Pro					2.08	fl oz/a	EPOST		
15	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	8748ab	9805ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Londax	10%AW	/W	0.00625	lb ai/a	1	oz/a	EPOST		
16	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	9384a	10518a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	No herbicide									
17	No Herbicide								8429abc	9448abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
	Halomax	75%AW	/W	0.047	lb ai/a	1	oz/a	EPOST		

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Evaluation of Command applied EPOST

Trial ID:C13-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-36 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 YIELD LB/A HARVEST 0 36	RICE Jul-29-2013 YIELD KG/HA HARVEST 0 37
18	No Herbicide								7187bc	8056bc
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST		
19	No Herbicide								6643cd	7446cd
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	EPOST		
20	No Herbicide								8290abc	9292abc
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Facet L	1.5	LBA/GAL	0.5	lb ai/a	42.7	fl oz/a	EPOST		
21	No Herbicide								8905ab	9982ab
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST		
22	No Herbicide								8448abc	9469abc
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Strada Pro					2.08	fl oz/a	EPOST		
23	No Herbicide								7754abc	8691abc
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	Londax	10%AW/W		0.00625	lb ai/a	1	oz/a	EPOST		
24	No Herbicide								5714d	6404d
	Agri-Dex	100%		1% v/v		1% v/v		EPOST		
	No herbicide									
LSD (P=.05)									1187.7	1331.2
Standard Deviation									839.8	941.3
CV									10.09	10.09
Replicate F									0.278	0.278
Replicate Prob(F)									0.8412	0.8412
Treatment F									4.371	4.371
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Sharpen with RiceShot Interactions

Experiment number	:	**C13-37**
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
Planting date	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Command at 12.8 fl oz/A

Application type	:	PRE	MPOST
Date applied [mm/dd/yy]	:	03/29/13	05/06/13
Time [hh:mm-hh:mm]	:	8:00-8:30am	9:30-9:45am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	46/39	60/56
Relative humidity [%]	:	93	56
Wind [mph, direction]	:	0-2, SSE	5-8, W
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	4-5lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	EPW

Weed Species (population)	:---------- (height/#leaves) ----------	
CYPIR(100-150m^{-2})	:	0.5-1"/3-6lf
CYPES(3-5m^{-2})	:	3-6"/3-9lf
ALRPH(5-6m^{-2})……..:	:	3-6"/6-40lf
AESIN(10-15m^{-2})	:	0.5-3"/cot-4lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	AESIN	ALRPH
Rating Date								May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								8 DAT	21 DAT	35 DAT	49 DAT	8 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	97a	96a	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	97a	97a	65a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	97a	97a	61a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	97a	97a	66a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	97a	95a	56a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	96a	97a	93a	90a	34b
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	96a	98a	95a	95a	34b
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	96a	95a	38b
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	96a	97a	39b
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0b	0b	0c
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									2.3	1.3	4.7	4.8	9.4
Standard Deviation									1.6	0.9	3.3	3.3	6.5
CV									1.85	1.05	3.77	3.84	14.42
Replicate F									1.678	2.359	0.984	0.231	0.593
Replicate Prob(F)									0.1952	0.0938	0.4149	0.8743	0.6247
Treatment F									1439.559	4438.903	348.938	336.974	39.791
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH	CYPES	CYPES
Rating Date								May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								21 DAT	35 DAT	49 DAT	8 DAT	21 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	49a	30ab	35a	30c	45a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	44a	36ab	39a	44bc	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	48a	33ab	36a	58ab	59a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	49a	39a	39a	65a	54a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	45a	23b	34a	28c	48a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	43a	31ab	38a	24c	65a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	40a	25ab	36a	30c	50a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	44a	26ab	31a	28c	55a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	39a	38ab	33a	45bc	58a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0c	0b	0d	0b
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									12.7	9.6	7.4	14.6	22.2
Standard Deviation									8.8	6.6	5.1	10.1	15.3
CV									21.97	23.56	15.88	28.72	31.17
Replicate F									0.964	1.723	4.710	2.590	0.450
Replicate Prob(F)									0.4241	0.1858	0.0090	0.0735	0.7192
Treatment F									10.832	11.591	20.548	13.625	5.668
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0002

LSU AgCenter SPESS

Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date								Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								35 DAT	49 DAT	8 DAT	21 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	35a	41a	89a	97a	95a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	48a	38a	95a	97a	95a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	33a	38a	96a	97a	96a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	35a	39a	95a	97a	96a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	30a	34a	91a	97a	83a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	30a	41a	68b	96a	92a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	33a	35a	71b	98a	91a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	30a	35a	68b	97a	92a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	45a	36a	60b	97a	96a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0c	0b	0b
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									11.5	10.2	12.8	2.0	9.3
Standard Deviation									7.9	7.0	8.8	1.4	6.4
CV									24.86	20.81	12.07	1.55	7.69
Replicate F									1.030	0.149	1.844	1.636	0.526
Replicate Prob(F)									0.3951	0.9295	0.1631	0.2043	0.6681
Treatment F									10.435	11.928	43.381	2053.691	85.179
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									CYPIR	RICE	RICE	RICE	RICE
Rating Date									Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013
Rating Type									CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									49 DAT	8 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94a	26a	24a	4a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93a	29a	26a	16a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93a	26a	25a	11a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94a	33a	20a	11a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	31a	23a	15a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	89a	16b	19a	10a	0a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	89a	16b	15a	8a	0a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	19b	25a	8a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	90a	14b	23a	15a	0a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0c	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									7.0	6.1	12.0	15.5	0.0
Standard Deviation									4.8	4.2	8.3	10.7	0.0
CV									5.87	19.97	41.53	109.23	0.0
Replicate F									0.192	0.947	1.795	1.653	0.000
Replicate Prob(F)									0.9012	0.4316	0.1719	0.2006	1.0000
Treatment F									143.992	22.642	3.536	0.953	0.000
Treatment Prob(F)									0.0001	0.0001	0.0052	0.4983	1.0000

LSU AgCenter SPESS

Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-4-2013 HEIGHT cm 29 DAT 21	RICE Jun-4-2013 HEIGHT cm 29 DAT 22	RICE Jun-4-2013 HEIGHT cm 29 23	RICE Jun-4-2013 HEIGHT cm 29 DAT 24	RICE Jun-4-2013 AVG HEIGHT cm 29 DAT 25
Pest Code													
Rating Date									Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type									HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									29 DAT	29 DAT	29	29 DAT	29 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70a	69a	72a	72a	71a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70a	71a	72a	73a	72a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	72a	72a	74a	72a	72a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70a	72a	72a	70a	71a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70a	70a	71a	70a	70a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	76a	73a	76a	71a	74a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	75a	73a	73a	73a	73a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	75a	74a	73a	76a	75a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	73a	73a	71a	74a	72a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	75a	76a	72a	75a	74a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									4.6	4.4	4.0	3.4	3.1
Standard Deviation									3.2	3.0	2.7	2.3	2.1
CV									4.42	4.18	3.79	3.21	2.91
Replicate F									3.094	1.617	2.987	7.962	5.275
Replicate Prob(F)									0.0436	0.2087	0.0486	0.0006	0.0054
Treatment F									2.310	1.682	1.228	2.491	2.176
Treatment Prob(F)									0.0448	0.1423	0.3194	0.0322	0.0573

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Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-31-2013	Jul-31-2013
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT	MOISTURE
Rating Unit								cm	cm	cm	g	%
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	116a	118a	117a	2407b	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	113a	116a	115a	2757ab	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	115a	117a	116a	2373b	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	117a	117a	2899ab	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	115a	117a	3017a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	115a	115a	115a	2911ab	24a
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	118a	118a	2468b	24a
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	119a	116a	118a	2565ab	24a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	115a	116a	2712ab	24a
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	114a	116a	115a	2738ab	24a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									5.0	6.8	5.6	335.9	0.0
Standard Deviation									3.5	4.7	3.9	231.5	0.0
CV									2.99	4.04	3.35	8.62	0.0
Replicate F									2.409	0.877	1.534	1.431	0.000
Replicate Prob(F)									0.0889	0.4654	0.2284	0.2556	1.0000
Treatment F									1.518	0.176	0.395	3.752	0.000
Treatment Prob(F)									0.1920	0.9950	0.9265	0.0036	1.0000

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Sharpen with RiceShot Interactions

Trial ID:C13-37 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-37 Investigator:Eric P. Webster

Pest Code									RICE	RICE
Rating Date									Jul-31-2013	Jul-31-2013
Rating Type									YIELD	YIELD
Rating Unit									LB/A	KG/HA
Trt-Eval Interval									HARVEST	HARVEST
Number of Decimals									0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5600b	6276b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6413ab	7188ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5521b	6188b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6745ab	7560ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	7020a	7868a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	6774ab	7592ab
	Propanil	4	LBA/GAL	1	lb ai/a	1	qt/a	MPOST		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5742b	6436b
	Propanil	4	LBA/GAL	2	lb ai/a	2	qt/a	MPOST		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	5968ab	6689ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST		
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6309ab	7071ab
	Propanil	4	LBA/GAL	4	lb ai/a	4	qt/a	MPOST		
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6370ab	7140ab
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST		
LSD (P=.05)									781.5	875.9
Standard Deviation									538.6	603.7
CV									8.62	8.62
Replicate F									1.431	1.431
Replicate Prob(F)									0.2556	0.2556
Treatment F									3.752	3.752
Treatment Prob(F)									0.0036	0.0036

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen with SuperWham Interactions

Experiment number	:	**C13-38**
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
Planting date	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Command at 12.8 fl oz/A PRE

Application type	:	PRE	MPOST
Date applied [mm/dd/yy]	:	03/29/13	05/06/13
Time [hh:mm-hh:mm]	:	8:00-8:30am	9:15-9:30am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	46/39	60/54
Relative humidity [%]	:	93	56
Wind [mph, direction]	:	0-2, SSE	5-8/W
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	4-5lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	EPW

Weed Species (population)	:---------	(height/#leaves) ----------
CYPIR(100-150m^{-2})	:	0.5-1"/3-6lf
CYPES(3-5m^{-2})	:	3-6"/3-9lf
ALRPH(5-6m^{-2})……..:	:	3-6"/4-40lf
AESIN(10-15m^{-2})	:	0.5-3"/cot-4lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	AESIN	ALRPH
Rating Date								May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								8 DAT	21 DAT	35 DAT	49 DAT	8 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	95a	94a	48bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	98a	97a	97a	95a	45bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	97a	96a	97a	95a	66a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	98a	96a	95a	96a	64a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	97a	97a	97a	94a	55ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	93b	97a	98a	95a	35c
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	96a	95a	97a	96a	38c
	SuperWham	4	LBA/GAL	2	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	97a	96a	97a	95a	38c
	SuperWham	4	LBA/GAL	3	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	97a	97a	98a	96a	44bc
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	0c	0b	0b	0b	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									2.1	2.6	2.9	1.9	11.5
Standard Deviation									1.5	1.8	2.0	1.3	8.0
CV									1.69	2.03	2.26	1.56	18.45
Replicate F									1.077	1.360	1.024	1.766	1.168
Replicate Prob(F)									0.3755	0.2761	0.3975	0.1773	0.3401
Treatment F									1726.057	1196.907	967.609	2019.072	21.856
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ALRPH	ALRPH	ALRPH	CYPES	CYPES
Rating Date									May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									21 DAT	35 DAT	49 DAT	8 DAT	21 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	40ab	34a	39a	41ab	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	48ab	33a	38a	40ab	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	50ab	44a	46a	56a	63a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	58ab	43a	43a	54a	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	61a	41a	38a	48ab	58a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	49ab	39a	39a	28b	53a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	44ab	38a	41a	49ab	71a
	SuperWham	4	LBA/GAL	2	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	36b	30a	34a	36ab	69a
	SuperWham	4	LBA/GAL	3	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	49ab	34a	41a	38ab	69a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	0c	0b	0b	0c	0b
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									14.9	13.0	12.8	14.2	15.0
Standard Deviation									10.3	9.0	8.9	9.8	10.4
CV									23.69	26.84	24.76	25.13	18.7
Replicate F									1.710	1.461	1.585	1.019	3.146
Replicate Prob(F)									0.1885	0.2471	0.2160	0.3995	0.0413
Treatment F									10.862	7.892	8.638	10.950	15.561
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date								Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								35 DAT	49 DAT	8 DAT	21 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	33a	49a	97a	97a	95ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	31a	53a	97a	97a	97ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	36a	50a	97a	97a	97ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	41a	51a	97a	97a	96ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	33a	45a	97a	97a	93b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	40a	46a	90b	95a	98a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	48a	58a	95a	97a	97a
	SuperWham	4	LBA/GAL	2	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	33a	50a	95a	96a	97ab
	SuperWham	4	LBA/GAL	3	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	33a	45a	94a	97a	97a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	0b	0b	0c	0b	0c
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									13.5	13.5	2.3	2.7	2.4
Standard Deviation									9.3	9.3	1.6	1.9	1.6
CV									28.59	20.88	1.83	2.17	1.89
Replicate F									2.229	1.965	3.126	1.189	6.766
Replicate Prob(F)									0.1077	0.1430	0.0422	0.3326	0.0015
Treatment F									7.302	11.982	1477.563	1053.409	1380.534
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Pest Code								CYPIR	RICE	RICE	RICE	RICE
Rating Date								Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	8 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94a	30a	23a	14a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	95a	28a	23a	16a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	96a	29a	25a	10a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	94a	29a	20a	16a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	95a	26a	21a	14a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	95a	10b	15a	10a	0a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	95a	11b	19a	18a	0a
	SuperWham	4	LBA/GAL	2	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	94a	14b	14a	14a	0a
	SuperWham	4	LBA/GAL	3	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	95a	15b	21a	11a	0a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	0b	0c	0b	0b	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									2.5	7.4	7.6	7.3	0.0
Standard Deviation									1.7	5.1	5.2	5.0	0.0
CV									1.99	26.66	29.08	41.12	0.0
Replicate F									2.177	0.216	2.858	3.974	0.000
Replicate Prob(F)									0.1139	0.8842	0.0556	0.0181	1.0000
Treatment F									1251.272	16.779	7.561	3.985	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0025	1.0000

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
	Rating Type								HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
	Rating Unit								cm	cm	cm	cm	cm
	Trt-Eval Interval								29 DAT	29 DAT	29 DAT	29 DAT	29 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	73a	73a	74a	74a	74a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	74a	74a	74a	72a	73a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	73a	73a	73a	73a	73a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	73a	73a	74a	77a	74a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	75a	75a	74a	76a	75a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	75a	75a	74a	75a	74a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	70a	70a	70a	59a	67a
	SuperWham	4	LBA/GAL	2	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	72a	72a	76a	74a	73a
	SuperWham	4	LBA/GAL	3	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	74a	74a	75a	76a	75a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	73a	73a	71a	73a	72a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								4.4	4.4	4.2	12.9	5.1
	Standard Deviation								3.0	3.0	2.9	8.9	3.5
	CV								4.15	4.15	3.98	12.21	4.77
	Replicate F								7.632	7.632	6.520	0.311	2.775
	Replicate Prob(F)								0.0008	0.0008	0.0018	0.8170	0.0606
	Treatment F								0.926	0.926	1.373	1.268	1.594
	Treatment Prob(F)								0.5187	0.5187	0.2487	0.2985	0.1672

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-31-2013
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT
Rating Unit								cm	cm	cm	g
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	119a	117a	118a	2543a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST				
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	122a	119a	120a	2583a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST				
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	119a	118a	119a	2877a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST				
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	118a	121a	119a	2718a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST				
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	120a	120a	120a	2763a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	114a	116a	115a	2893a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	119a	118a	118a	2595a
	SuperWham	4	LBA/GAL	2	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	117a	118a	117a	2751a
	SuperWham	4	LBA/GAL	3	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	119a	118a	118a	2750a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	114a	115a	114a	2617a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
LSD (P=.05)									6.5	5.6	5.3	274.7
Standard Deviation									4.5	3.9	3.6	189.4
CV									3.8	3.28	3.09	6.99
Replicate F									5.148	7.791	8.157	1.272
Replicate Prob(F)									0.0061	0.0007	0.0005	0.3039
Treatment F									1.160	0.822	1.067	1.653
Treatment Prob(F)									0.3581	0.6013	0.4168	0.1501

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Sharpen with SuperWham Interactions

Trial ID:C13-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-38 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								Jul-31-2013	Jul-31-2013	Jul-31-2013
Rating Type								MOISTURE	YIELD	YIELD
Rating Unit								%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST
Number of Decimals									0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	30	31	32
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	23.8000016170605000a	5769a	6467a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST			
	SuperWham	4	LBA/GAL	1	lb ai/a	1	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	23.8000016170605000a	5860a	6568a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST			
	SuperWham	4	LBA/GAL	2	lb ai/a	2	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	23.8000016170605000a	6527a	7316a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST			
	SuperWham	4	LBA/GAL	3	lb ai/a	3	qt/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	23.8000016170605000a	6166a	6911a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST			
	SuperWham	4	LBA/GAL	4	lb ai/a	4	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	23.8000016170605000a	6270a	7027a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	23.8000016170605000a	6563a	7356a
	SuperWham	4	LBA/GAL	1	lb ai/a	1	qt/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	23.8000016170605000a	5887a	6598a
	SuperWham	4	LBA/GAL	2	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	23.8000016170605000a	6241a	6995a
	SuperWham	4	LBA/GAL	3	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	23.8000016170605000a	6240a	6994a
	SuperWham	4	LBA/GAL	4	lb ai/a	4	qt/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	23.8000016170605000a	5938a	6655a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
LSD (P=.05)									0.00000000000000000	623.4	698.7
Standard Deviation									0.00000000000000000	429.6	481.5
CV									0.0	6.99	6.99
Replicate F									0.000	1.272	1.272
Replicate Prob(F)									1.0000	0.3039	0.3039
Treatment F									0.000	1.653	1.653
Treatment Prob(F)									1.0000	0.1501	0.1501

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen with RiceBeaux Interactions

Experiment number	:	**C13-39**
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
Planting date	:	3/27/2013
Harvest date	:	7/31/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	N/A

Application type	:	PRE	MPOST
Date applied [mm/dd/yy]	:	03/24/13	05/06/13
Time [hh:mm-hh:mm]	:	8:00-8:30am	9:00-9:15am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	46/39	60/56
Relative humidity [%]	:	93	64
Wind [mph, direction]	:	0-2, SSE	5-8, W
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	4-5lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	EPW

Weed Species (population)	:	---------- (height/#leaves) ----------
CYPIR(100-150m^{-2})	:	0.5-1"/3-6lf
CYPES(3-5m^{-2})	:	3-6"/3-9lf
ALRPH(5-6m^{-2})……:……	:	3-6"/6-40lf
AESIN(10-15m^{-2})	:	0.5-3"/cot-4lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	ALRPH
Rating Date									May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									8 DAT	21 DAT	35 DAT	49 DAT	8 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	97a	97a	74a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	97a	96a	65ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	95a	74a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	95a	96a	96a	50b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	98a	96a	64ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	96a	97a	98a	97a	46b
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	97a	96a	46b
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	97a	97a	95a	58ab
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	96a	97a	97a	96a	51b
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0b	0b	0c
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									1.4	2.6	1.7	2.4	14.8
Standard Deviation									1.0	1.8	1.2	1.6	10.2
CV									1.1	2.08	1.33	1.9	19.36
Replicate F									1.541	0.337	1.491	2.763	2.790
Replicate Prob(F)									0.2267	0.7989	0.2394	0.0613	0.0597
Treatment F									4093.541	1143.891	2786.522	1370.618	17.275
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ALRPH	ALRPH	ALRPH	CYPES	CYPES
Rating Date									May-27-2013	Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									21 DAT	35 DAT	49 DAT	8 DAT	21 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	63a	53ab	49ab	66a	66a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	60a	66a	64a	65a	69a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	50a	60ab	45ab	69a	68a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	50a	53ab	40b	66a	68a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	49a	43ab	49ab	65a	70a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	55a	38b	51ab	51a	68a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	50a	39b	48ab	65a	71a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	53a	49ab	50ab	61a	61a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	53a	51ab	50ab	60a	69a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0c	0c	0b	0b
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									16.8	15.8	13.1	12.9	11.0
Standard Deviation									11.6	10.9	9.0	8.9	7.6
CV									24.1	24.23	20.33	15.62	12.43
Replicate F									0.897	0.603	1.385	3.005	1.000
Replicate Prob(F)									0.4556	0.6188	0.2688	0.0477	0.4079
Treatment F									9.120	11.098	13.697	21.447	32.438
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date								Jun-10-2013	Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								35 DAT	49 DAT	8 DAT	21 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	46ab	50a	98a	98a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	66a	61a	98a	97a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	60ab	65a	98a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	58ab	48a	94ab	95a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	44ab	56a	97a	97a	98a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	35b	61a	91b	97a	98a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	44ab	58a	95ab	97a	97a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	45ab	55a	97a	96a	97a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	45ab	60a	97a	97a	97a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0c	0b	0c	0b	0b
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									17.6	14.5	3.4	2.6	1.8
Standard Deviation									12.1	10.0	2.3	1.8	1.2
CV									27.41	19.44	2.69	2.02	1.41
Replicate F									2.101	0.875	0.080	0.355	0.783
Replicate Prob(F)									0.1235	0.4664	0.9704	0.7860	0.5140
Treatment F									8.932	14.189	684.293	1205.552	2472.218
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Pest Code								CYPIR	RICE	RICE	RICE	RICE
Rating Date								Jun-24-2013	May-14-2013	May-27-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	8 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	31a	16b	15a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	33a	24a	19a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	94a	38a	25a	16a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	18ab	26a	20a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	34a	16b	19a	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	96a	15ab	14b	11a	0a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	96a	21ab	16b	10a	0a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	19ab	16b	13a	0a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	22ab	16b	14a	0a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0b	0c	0b	0a
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)									2.0	15.5	5.0	7.4	0.0
Standard Deviation									1.4	10.7	3.4	5.1	0.0
CV									1.63	46.39	20.09	37.55	0.0
Replicate F									2.255	0.637	1.000	1.424	0.000
Replicate Prob(F)									0.1047	0.5981	0.4079	0.2573	1.0000
Treatment F									1867.718	4.415	18.952	5.223	0.000
Treatment Prob(F)									0.0001	0.0014	0.0001	0.0004	1.0000

LSU AgCenter SPESS

Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013	Jun-4-2013
Rating Type								HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								cm	cm	cm	cm	cm
Trt-Eval Interval								29 DAT	29 DAT	29 DAT	29 DAT	29 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	71a	73a	72a	69a	71a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70a	72a	70a	68a	70a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	66a	68a	68a	67a	67a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	71a	66a	69a	69a	69a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	68a	66a	69a	69a	68a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	73a	72a	70a	73a	72a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	68a	70a	72a	73a	71a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	67a	71a	71a	72a	70a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	73a	72a	74a	71a	73a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	72a	70a	70a	69a	70a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									7.1	6.5	3.8	6.5	4.0
Standard Deviation									4.9	4.5	2.6	4.5	2.8
CV									6.98	6.44	3.71	6.4	3.97
Replicate F									0.847	0.344	2.420	1.252	1.937
Replicate Prob(F)									0.4802	0.7938	0.0879	0.3104	0.1475
Treatment F									1.013	1.195	2.003	0.946	1.466
Treatment Prob(F)									0.4540	0.3379	0.0788	0.5036	0.2106

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0 26	RICE Jul-29-2013 HEIGHT cm HARVEST 0 27	RICE Jul-29-2013 AVG HEIGHT cm HARVEST 0 28	RICE Jul-31-2013 WEIGHT g HARVEST 0 29	RICE Jul-31-2013 MOISTURE % HARVEST 0 30
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	117a	118a	2994a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	117a	117a	117a	2757a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	120a	121a	120a	2867a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	117a	118a	118a	2792a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST					
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	116a	118a	117a	2615a	24a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	120a	121a	120a	2941a	24a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	120a	119a	120a	2631a	24a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	119a	116a	117a	2667a	24a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	118a	120a	119a	2820a	24a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	117a	116a	116a	2699a	24a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									4.7	4.0	3.6	425.8	0.0
Standard Deviation									3.3	2.8	2.5	293.5	0.0
CV									2.77	2.35	2.1	10.56	0.0
Replicate F									0.675	1.809	0.909	3.166	0.000
Replicate Prob(F)									0.5750	0.1694	0.4495	0.0405	1.0000
Treatment F									0.640	1.767	1.278	0.776	0.000
Treatment Prob(F)									0.7536	0.1219	0.2932	0.6394	1.0000

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Sharpen with RiceBeaux Interactions

Trial ID:C13-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-39 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-31-2013 YIELD LB/A HARVEST 0 (31)	RICE Jul-31-2013 YIELD KG/HA HARVEST 0 (32)
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6921a	7758a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6373a	7143a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6626a	7427a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6455a	7235a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/a	MPOST		
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6044a	6774a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	oz/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	6798a	7620a
	RiceBeaux	3	LB/GAL	1	lb ai/a	1.33	qt/a	MPOST		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6081a	6816a
	RiceBeaux	3	LB/GAL	2	lb ai/a	2.67	qt/a	MPOST		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6165a	6910a
	RiceBeaux	3	LBA/GAL	3	lb ai/a	4	qt/a	MPOST		
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6520a	7307a
	RiceBeaux	3	LBA/GAL	4	lb ai/a	5.33	qt/a	MPOST		
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	6239a	6993a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST		
LSD (P=.05)									984.4	1103.4
Standard Deviation									678.5	760.4
CV									10.56	10.56
Replicate F									3.166	3.166
Replicate Prob(F)									0.0405	0.0405
Treatment F									0.776	0.776
Treatment Prob(F)									0.6394	0.6394

LSU AgCenter
School of Plant, Environmental and Soil Sciences

GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Experiment number	:	**C13-40**
Location	:	RRS-Crowley, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	:	1.4
pH	:	6.4
CEC	:	19.1
Planting date	:	4/5/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/12/2013
Uniform std. treatment	:	N/A

Application type	:	PREFLOOD	POSTFLOOD
Date applied [mm/dd/yy]	:	04/23/13	05/13/13
Time [hh:mm-hh:mm]	:	8:45-9:00am	9:20-9:30am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	72/68	67/66
Relative humidity [%]	:	90	46
Wind [mph, direction]	:	5-8, SE	8-12, E
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	wet/dry	flood/dry
Crop stage/Height	:	1-3lf/1-3"	6lf
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15
GPA/PSI	:	15/22	15/22.5
Applied by	:	BMM	BMM

Weed Species (population)	:----------	(height/#leaves) ----------
AESIN(20-50m^{-2})	:	3-5"/2-6lf
ECHCG(30-60m^{-2})	:	4-8"/3-4lf
CYPES(7-20m^{-2})	:	6-12"/3-6lf
HETLI(50-150m^{-2})	:	0.5-2"/cot-spoon

Seeding Flood	:	4/2/2013
Permanent Flood	:	4/18/2013

*AMFF – Air mix flat fan nozzles

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GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	AESIN
Rating Date								May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	May-30-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								17 DAT	28 DAT	42 DAT	56 DAT	17 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated								0d	0c	0b	0c	0b
2	RiceBeaux	3LB/GAL		3qt/a		3qt/a		PREFLOOD	84a	95a	85a	94a	98a
3	RiceBeaux	3LB/GAL		3qt/a		3qt/a		PREFLOOD	95a	98a	96a	99a	98a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		PREFLOOD					
4	RiceBeaux	3LB/GAL		3qt/a		3qt/a		POSTFLOO	23c	25b	76a	78b	98a
5	RiceBeaux	3LB/GAL		3qt/a		3qt/a		POSTFLOO	45b	33b	79a	85ab	98a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		POSTFLOO					
LSD (P=.05)									13.0	9.7	16.7	12.6	0.0
Standard Deviation									8.4	6.3	10.9	8.2	0.0
CV									17.13	12.62	16.21	11.53	0.0
Replicate F									0.622	0.792	0.726	0.458	0.000
Replicate Prob(F)									0.6145	0.5216	0.5557	0.7166	1.0000
Treatment F									90.407	194.005	49.462	97.809	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000

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GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ALRPH	ALRPH	ALRPH	CYPES	CYPES
	Rating Date								Jun-10-2013	Jun-24-2013	Jul-8-2013	May-30-2013	Jun-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								28 DAT	42 DAT	56 DAT	17 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0b	0a	0a	0c	0c
2	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	4b	6a	18a	23b	30b
3	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	15a	5a	15a	45a	91a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	4b	8a	8a	18b	30b
5	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	6b	6a	13a	28b	45b
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
	LSD (P=.05)								5.1	6.8	14.5	16.8	15.0
	Standard Deviation								3.3	4.4	9.4	10.9	9.7
	CV								57.79	88.03	89.93	48.52	24.8
	Replicate F								2.226	2.237	0.206	0.825	3.024
	Replicate Prob(F)								0.1377	0.1365	0.8905	0.5049	0.0714
	Treatment F								11.491	1.774	2.159	8.916	46.636
	Treatment Prob(F)								0.0005	0.1988	0.1358	0.0014	0.0001

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GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								CYPES	CYPES	HETLI	HETLI	HETLI
	Rating Date								Jun-24-2013	Jul-8-2013	May-30-2013	Jun-10-2013	Jun-24-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								42 DAT	56 DAT	17 DAT	28 DAT	42 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0c	0c	0c	0c	0b
2	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	95a	96a	28b	45b	68a
3	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	97a	98a	99a	99a	99a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	59b	51b	25b	50b	60a
5	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	71ab	88a	95a	98a	97a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
	LSD (P=.05)								23.2	22.1	6.2	16.4	28.8
	Standard Deviation								15.1	14.4	4.0	10.6	18.7
	CV								23.39	21.5	8.11	18.22	28.88
	Replicate F								2.575	1.017	0.504	1.021	1.960
	Replicate Prob(F)								0.1026	0.4194	0.6866	0.4175	0.1739
	Treatment F								27.431	34.028	503.048	60.697	18.404
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Pest Code								HETLI	RICE	RICE	RICE	RICE
Rating Date								Jul-8-2013	Jun-5-2013	Jun-5-2013	Jun-5-2013	Jul-8-2013
Rating Type								CONTROL	HEIGHT	HEIGHT	AVG HEIGHT	HEIGHT
Rating Unit								%	cm	cm	cm	cm
Trt-Eval Interval								56 DAT	23 DAT	23 DAT	23 DAT	56 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								0b	65a	65a	65a	96a
2	RiceBeaux	3LB/GAL		3qt/a		3qt/a		PREFLOOD	84a	62a	64a	63a	99a
3	RiceBeaux	3LB/GAL		3qt/a		3qt/a		PREFLOOD	95a	64a	66a	65a	99a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		PREFLOOD					
4	RiceBeaux	3LB/GAL		3qt/a		3qt/a		POSTFLOO	75a	58a	59a	58a	97a
5	RiceBeaux	3LB/GAL		3qt/a		3qt/a		POSTFLOO	98a	59a	59a	59a	92a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		POSTFLOO					
LSD (P=.05)									21.6	6.6	5.7	4.9	9.1
Standard Deviation									14.1	4.3	3.7	3.2	5.9
CV									19.97	6.95	5.94	5.14	6.14
Replicate F									1.433	1.185	0.903	1.502	4.917
Replicate Prob(F)									0.2818	0.3568	0.4683	0.2642	0.0187
Treatment F									33.017	2.221	3.837	4.463	1.045
Treatment Prob(F)									0.0001	0.1279	0.0312	0.0194	0.4245

LSU AgCenter SPESS

GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-8-2013	Jul-8-2013	May-30-2013	Jun-10-2013	Jun-24-2013
Rating Type								HEIGHT	AVG HEIGHT	INJURY	INJURY	INJURY
Rating Unit								cm	cm	%	%	%
Trt-Eval Interval								56 DAT	56 DAT	17 DAT	28 DAT	42 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated								100a	98a	0a	0a	0a
2	RiceBeaux	3LB/GAL	3qt/a		3qt/a			PREFLOOD	100a	99a	0a	0a	0a
3	RiceBeaux	3LB/GAL	3qt/a		3qt/a			PREFLOOD	104a	101a	0a	0a	0a
	GWN-10235	3.34LB/GAL	0.22lb ai/a		8.4fl oz/a			PREFLOOD					
4	RiceBeaux	3LB/GAL	3qt/a		3qt/a			POSTFLOO	98a	97a	0a	0a	0a
5	RiceBeaux	3LB/GAL	3qt/a		3qt/a			POSTFLOO	92a	92a	0a	0a	0a
	GWN-10235	3.34LB/GAL	0.22lb ai/a		8.4fl oz/a			POSTFLOO					
LSD (P=.05)									7.6	6.7	0.0	0.0	0.0
Standard Deviation									4.9	4.4	0.0	0.0	0.0
CV									5.01	4.48	0.0	0.0	0.0
Replicate F									6.242	8.348	0.000	0.000	0.000
Replicate Prob(F)									0.0085	0.0029	1.0000	1.0000	1.0000
Treatment F									3.209	2.789	0.000	0.000	0.000
Treatment Prob(F)									0.0522	0.0753	1.0000	1.0000	1.0000

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GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jul-8-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
	Rating Type								INJURY	HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT
	Rating Unit								%	cm	cm	cm	g
	Trt-Eval Interval								56 DAT	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0
1	Nontreated								0a	98a	98a	98a	2525a
2	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	0a	95a	93ab	94a	2807a
3	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	0a	93ab	95a	94a	3083a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	0a	93ab	93ab	93a	2651a
5	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	0a	87b	87b	87b	2591a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
	LSD (P=.05)								0.0	5.4	5.4	5.0	521.4
	Standard Deviation								0.0	3.5	3.5	3.2	338.4
	CV								0.0	3.74	3.76	3.48	12.39
	Replicate F								0.000	3.584	1.821	2.796	4.443
	Replicate Prob(F)								1.0000	0.0466	0.1969	0.0856	0.0255
	Treatment F								0.000	5.374	5.204	5.930	1.735
	Treatment Prob(F)								1.0000	0.0103	0.0115	0.0072	0.2070

LSU AgCenter SPESS

GWN-10235 + RiceBeaux PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-40 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-40 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 31	RICE 32	RICE 33
	Pest Code								RICE	RICE	RICE
	Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013
	Rating Type								MOISTURE	YIELD	YIELD
	Rating Unit								%	LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0
1	Nontreated								18.9a	6704a	7514a
2	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	18.9a	7453a	8353a
3	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	18.9a	8187a	9177a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD			
4	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	18.9a	7038a	7889a
5	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	18.9a	6879a	7710a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO			
	LSD (P=.05)								0.0	1384.6	1551.9
	Standard Deviation								0.0	898.6	1007.2
	CV								0.0	12.39	12.39
	Replicate F								0.000	4.443	4.443
	Replicate Prob(F)								1.0000	0.0255	0.0255
	Treatment F								0.000	1.735	1.735
	Treatment Prob(F)								1.0000	0.2070	0.2070

LSU AgCenter
School of Plant, Environmental and Soil Sciences

GWN-10235 with Tank Mixes

Experiment number	**C13-41**	
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	3/27/2013	
Harvest date	7/29/2013	
Crop/Variety	CL111	
Emergence date	4/16/2013	
Uniform std. treatment	Command at 12.8 fl oz/A PRE	
Application type	PRE	POSTFLOOD
Date applied [mm/dd/yy]	04/01/13	05/20/13
Time [hh:mm-hh:mm]	10:40-10:50am	11:30a-12:00pm
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	63/55	85/81
Relative humidity [%]	91	64
Wind [mph, direction]	5-8, NNE	8-12, S
Weather [sunny, etc]	sunny	pt. cloudy
Soil/Leaf surface moist	moist/dry	flooded/dry
Crop stage/Height	N/A	6lf
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/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) ----------	
AESIN(10-20m^{-2})		4-8"/4-12lf
CYPES(20-30m^{-2})		8-12"/3-9lf
ECHCG(30-50m^{-2})		4-8"/2-3lf
Flush Dates	4/26/2013, 5/3/2013, 5/10/2013	
Permanent Flood	5/17/2013	

*AMFF – Air mix flat fan nozzles

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GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	AESIN
Rating Date								May-30-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	May-30-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								10 DAT	21 DAT	36 DAT	49 DAT	10 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated								0c	0c	0b	0c	0c
2	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	95a	94a	97a	0c
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PRE					
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	0c	5c	1b	23b	0c
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PRE					
4	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	98a	99a	98a
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Dyne-A-Pak	100%		0.83	% v/v			POST FL					
5	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	97a	98a	98a	18b
	Clincher	2.38LB/GAL		0.25	lb ai/a	13.5	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
6	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	95a	99a	99a	97a
	RiceShot	4LB/GAL		3	lb ai/a	3	qt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
7	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	95a	93a	92a	10bc
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
8	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	96a	93a	96a	18b
	Beyond	1LB/GAL		0.039	lb ai/a	5	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
9	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	83b	96a	95a	95a	87a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
10	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	94a	89a	97a	89a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
11	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	93a	99a	98a	84a
	Grasp	2LB/GAL		0.036	lb ai/a	2.3	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
12	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	98a	98a	99a	98a
	Grasp Xtra	1.75LB/GAL		0.314	lb ai/a	23	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
13	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	86ab	85b	89a	91a	95a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
14	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	93a	95a	98a	97a	96a
	RiceBeaux	6LB/GAL		3	qt/a	3	qt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
15	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	85ab	91a	95a	96a	89a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	AESIN
	Rating Date								May-30-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	May-30-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								10 DAT	21 DAT	36 DAT	49 DAT	10 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83b	94a	95a	92a	97a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	97a	98a	98a	98a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
	LSD (P=.05)								5.8	5.6	6.1	4.7	9.9
	Standard Deviation								4.1	3.9	4.3	3.3	7.0
	CV								5.16	4.66	5.11	3.82	11.04
	Replicate F								0.749	0.658	0.675	0.584	0.705
	Replicate Prob(F)								0.5282	0.5822	0.5715	0.6285	0.5538
	Treatment F								215.732	248.277	215.787	301.654	150.819
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									AESIN	AESIN	AESIN	CYPES	CYPES
Rating Date									Jun-10-2013	Jun-25-2013	Jul-8-2013	May-30-2013	Jun-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									21 DAT	36 DAT	49 DAT	10 DAT	21 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0e	0d	0e	0d	0g
2	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8de	8c	14d	15c	11fg
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	3e	3cd	3e	98a	94a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
4	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	99a	98a	38bc	58c
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Dyne-A-Pak	100%		0.83%	v/v			POST FL					
5	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48b	91a	86b	23c	23ef
	Clincher	2.38	LB/GAL	0.25	lb ai/a	13.5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
6	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a	96a	99a	18c	38de
	RiceShot	4	LB/GAL	3	lb ai/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
7	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	14cd	8c	9d	25bc	65bc
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
8	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20c	23b	25c	28bc	43d
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
9	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	99a	98a	35bc	93a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
10	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	45b	90a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
11	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	99a	99a	30bc	78ab
	Grasp	2	LB/GAL	0.036	lb ai/a	2.3	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
12	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	99a	98a	45b	93a
	Grasp Xtra	1.75	LB/GAL	0.314	lb ai/a	23	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
13	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	99a	98a	38bc	86a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
14	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	98a	96a	23c	65bc
	RiceBeaux	6	LB/GAL	3	qt/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
15	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	99a	98a	25bc	83a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	CYPES	CYPES
Rating Date								Jun-10-2013	Jun-25-2013	Jul-8-2013	May-30-2013	Jun-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								21 DAT	36 DAT	49 DAT	10 DAT	21 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	26bc	25ef
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	99a	98a	20c	20f
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
LSD (P=.05)									7.6	5.5	5.3	13.1	13.0
Standard Deviation									5.3	3.9	3.7	9.1	9.1
CV									7.85	5.45	5.24	29.37	16.07
Replicate F									0.253	1.243	1.058	0.028	0.580
Replicate Prob(F)									0.8587	0.3047	0.3757	0.9936	0.6311
Treatment F									240.491	476.292	486.218	20.202	50.131
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES Jun-25-2013 CONTROL % 36 DAT 0	CYPES Jul-8-2013 CONTROL % 49 DAT 0	HETLI May-30-2013 CONTROL % 10 DAT 0	HETLI Jun-10-2013 CONTROL % 21 DAT 0	HETLI Jun-25-2013 CONTROL % 36 DAT 0
									11	12	13	14	15
1	Nontreated								0e	0e	0f	0c	0c
2	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	15d	31d	48e	97a	96a
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	PRE					
3	Permit	75%		0.047lb	ai/a	1oz	/a	PRE	89a	88a	48e	84b	90b
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	PRE					
4	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	96a	98a	82a-d	99a	99a
	Regiment	80%		0.025lb	ai/a	0.5oz	/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Dyne-A-Pak	100%		0.83%	v/v			POST FL					
5	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	26d	31d	73cd	98a	99a
	Clincher	2.38LB/GAL		0.25lb	ai/a	13.5fl	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
6	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	43c	49c	92ab	99a	98a
	RiceShot	4LB/GAL		3lb	ai/a	3qt	/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
7	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	58b	63b	65d	98a	97a
	Newpath	2LB/GAL		0.0625lb	ai/a	4fl	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
8	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	86a	91a	81a-d	99a	98a
	Beyond	1LB/GAL		0.039lb	ai/a	5fl	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
9	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	96a	98a	80a-d	99a	98a
	Permit	75%		0.047lb	ai/a	1oz	/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
10	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	95a	97a	78bcd	99a	99a
	Permit Plus	75%		0.035lb	ai/a	0.75oz	/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
11	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	89a	93a	86abc	98a	99a
	Grasp	2LB/GAL		0.036lb	ai/a	2.3fl	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
12	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	99a	98a	97a	99a	99a
	Grasp Xtra	1.75LB/GAL		0.314lb	ai/a	23fl	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
13	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	93a	93a	76bcd	99a	98a
	Strada Pro	54%		2.08oz	/a	0.07lb	ai/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
14	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	88a	96a	97a	99a	99a
	RiceBeaux	6LB/GAL		3qt	/a	3qt	/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
15	Command	3LB/GAL		0.3lb	ai/a	12.8fl	oz/a	PRE	95a	96a	75bcd	98a	99a
	League	75%		0.14lb	ai/a	3oz	wt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22lb	ai/a	8.4fl	oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	HETLI	HETLI	HETLI
Rating Date								Jun-25-2013	Jul-8-2013	May-30-2013	Jun-10-2013	Jun-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								36 DAT	49 DAT	10 DAT	21 DAT	36 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	23d	30d	97a	98a	98a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	23d	35d	83a-d	98a	99a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
LSD (P=.05)									10.4	10.4	11.7	4.1	3.1
Standard Deviation									7.3	7.3	8.2	2.8	2.2
CV									11.09	10.41	11.06	3.1	2.4
Replicate F									0.102	1.345	6.068	1.337	0.455
Replicate Prob(F)									0.9587	0.2710	0.0014	0.2734	0.7148
Treatment F									95.813	82.723	34.525	283.544	466.234
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	HETLI Jul-8-2013 CONTROL % 49 DAT 0	ALRPH May-30-2013 CONTROL % 10 DAT 0	ALRPH Jun-10-2013 CONTROL % 21 DAT 0	ALRPH Jun-25-2013 CONTROL % 36 DAT 0	ALRPH Jul-8-2013 CONTROL % 49 DAT 0
									16	17	18	19	20
1	Nontreated								0c	0b	0c	0c	0b
2	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	0b	3c	3c	80a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	94b	0b	1c	46abc	45a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
4	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	78a	73ab	95a	92a
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Dyne-A-Pak	100%		0.83	% v/v			POST FL					
5	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	0b	4c	0c	58a
	Clincher	2.38	LB/GAL	0.25	lb ai/a	13.5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
6	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	15b	1c	19c	91a
	RiceShot	4	LB/GAL	3	lb ai/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
7	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0b	3c	6c	55a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
8	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	10b	91a	55abc	90a
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
9	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	0b	4c	5c	68a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
10	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	23b	25c	35bc	89a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
11	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	28b	48bc	56abc	87a
	Grasp	2	LB/GAL	0.036	lb ai/a	2.3	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
12	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	87a	98a	96a	85a
	Grasp Xtra	1.75	LB/GAL	0.314	lb ai/a	23	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
13	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	5b	15c	20c	65a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
14	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	30b	13c	15c	87a
	RiceBeaux	6	LB/GAL	3	qt/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
15	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	0b	1c	8c	83a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								HETLI	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date								Jul-8-2013	May-30-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	10 DAT	21 DAT	36 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	0b	1c	15c	85a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	10b	84ab	74ab	86a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
LSD (P=.05)									2.0	25.7	31.9	33.9	33.7
Standard Deviation									1.4	18.0	22.3	23.8	23.6
CV									1.55	107.49	82.02	73.78	32.17
Replicate F									0.250	1.722	1.677	0.738	0.463
Replicate Prob(F)									0.8611	0.1750	0.1843	0.5348	0.7094
Treatment F									1110.233	8.828	10.452	7.510	4.055
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE May-30-2013 INJURY % 10 DAT 0	RICE Jun-10-2013 INJURY % 21 DAT 0	RICE Jun-25-2013 INJURY % 36 DAT 0	RICE Jul-8-2013 INJURY % 49 DAT 0	RICE Jun-5-2013 HEIGHT cm 16 DAT 0
									21	22	23	24	25
1	Nontreated								0a	0a	0a	0a	67a
2	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	68a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	0a	0a	0a	0a	74a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE					
4	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	64a
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Dyne-A-Pak	100%		0.83	% v/v			POST FL					
5	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	71a
	Clincher	2.38	LB/GAL	0.25	lb ai/a	13.5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
6	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	69a
	RiceShot	4	LB/GAL	3	lb ai/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
7	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	65a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
8	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	67a
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
9	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	71a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
10	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	65a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
11	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	64a
	Grasp	2	LB/GAL	0.036	lb ai/a	2.3	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
12	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	67a
	Grasp Xtra	1.75	LB/GAL	0.314	lb ai/a	23	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
13	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	69a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
14	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	67a
	RiceBeaux	6	LB/GAL	3	qt/a	3	qt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
15	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	66a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-30-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	Jun-5-2013
Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								10 DAT	21 DAT	36 DAT	49 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	66a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a	70a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
LSD (P=.05)									0.0	0.0	0.0	0.0	6.0
Standard Deviation									0.0	0.0	0.0	0.0	4.2
CV									0.0	0.0	0.0	0.0	6.24
Replicate F									0.000	0.000	0.000	0.000	6.564
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0008
Treatment F									0.000	0.000	0.000	0.000	1.597
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	0.1064

LSU AgCenter SPESS

GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-5-2013	Jun-5-2013	Jul-8-2013	Jul-8-2013	Jul-8-2013
Rating Type								HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								cm	cm	cm	cm	cm
Trt-Eval Interval								16 DAT	16 DAT	49 DAT	49 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Nontreated								69abc	68ab	108a	111a	110a
2	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	68abc	68ab	106a	107a	107a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PRE					
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	75a	75a	105a	102a	103a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PRE					
4	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	68abc	66ab	106a	108a	107a
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Dyne-A-Pak	100%		0.83	% v/v			POST FL					
5	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	71abc	71ab	108a	109a	109a
	Clincher	2.38LB/GAL		0.25	lb ai/a	13.5	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
6	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	67abc	68ab	104a	107a	106a
	RiceShot	4LB/GAL		3	lb ai/a	3	qt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
7	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	67abc	66ab	111a	114a	112a
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
8	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	68abc	68ab	111a	112a	111a
	Beyond	1LB/GAL		0.039	lb ai/a	5	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
9	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	68abc	69ab	106a	110a	108a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
10	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	67abc	66ab	106a	107a	107a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
11	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	63c	64b	112a	113a	112a
	Grasp	2LB/GAL		0.036	lb ai/a	2.3	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
12	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	65bc	66ab	111a	108a	110a
	Grasp Xtra	1.75LB/GAL		0.314	lb ai/a	23	fl oz/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
13	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	69ab	105a	106a	105a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					
14	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	69ab	108a	110a	109a
	RiceBeaux	6LB/GAL		3	qt/a	3	qt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
15	Command	3LB/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	68ab	109a	107a	108a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1	% v/v			POST FL					

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GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jun-5-2013 HEIGHT cm 16 DAT 0	RICE Jun-5-2013 AVG HEIGHT cm 16 DAT 0	RICE Jul-8-2013 HEIGHT cm 49 DAT 0	RICE Jul-8-2013 HEIGHT cm 49 DAT 0	RICE Jul-8-2013 AVG HEIGHT cm 49 DAT 0
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								Jun-5-2013	Jun-5-2013	Jul-8-2013	Jul-8-2013	Jul-8-2013
	Rating Type								HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
	Rating Unit								cm	cm	cm	cm	cm
	Trt-Eval Interval								16 DAT	16 DAT	49 DAT	49 DAT	49 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	67abc	67ab	107a	107a	107a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73ab	72ab	110a	110a	110a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL					
	Agri-Dex	100%		1%	v/v			POST FL					
	LSD (P=.05)								5.2	5.0	8.3	7.0	7.1
	Standard Deviation								3.6	3.5	5.8	4.9	5.0
	CV								5.26	5.17	5.38	4.53	4.59
	Replicate F								6.936	8.191	9.813	18.169	15.473
	Replicate Prob(F)								0.0006	0.0002	0.0001	0.0001	0.0001
	Treatment F								2.486	2.152	0.777	1.346	1.014
	Treatment Prob(F)								0.0077	0.0210	0.7018	0.2098	0.4592

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GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:

Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 WEIGHT g HARVEST 0	RICE Jul-29-2013 MOISTURE % HARVEST	RICE Jul-29-2013 YIELD LB/A HARVEST 0	RICE Jul-29-2013 YIELD KG/HA HARVEST 0
									31	32	33	34
1	Nontreated								2834a	19.750a	7392a	8285a
2	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3033a	19.750a	7910a	8866a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE				
3	Permit	75%		0.047	lb ai/a	1	oz/a	PRE	2793a	19.750a	7285a	8165a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PRE				
4	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3528a	19.750a	9202a	10314a
	Regiment	80%		0.025	lb ai/a	0.5	oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Dyne-A-Pak	100%		0.83	% v/v			POST FL				
5	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3140a	19.750a	8189a	9179a
	Clincher	2.38	LB/GAL	0.25	lb ai/a	13.5	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
6	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3137a	19.750a	8182a	9171a
	RiceShot	4	LB/GAL	3	lb ai/a	3	qt/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
7	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3291a	19.750a	8585a	9622a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
8	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3195a	19.750a	8332a	9339a
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
9	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3470a	19.750a	9052a	10146a
	Permit	75%		0.047	lb ai/a	1	oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
10	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3119a	19.750a	8136a	9119a
	Permit Plus	75%		0.035	lb ai/a	0.75	oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
11	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3558a	19.750a	9280a	10401a
	Grasp	2	LB/GAL	0.036	lb ai/a	2.3	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
12	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2845a	19.750a	7420a	8317a
	Grasp Xtra	1.75	LB/GAL	0.314	lb ai/a	23	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
13	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3635a	19.750a	9480a	10626a
	Strada Pro	54%		2.08	oz/a	0.07	lb ai/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				
14	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3238a	19.750a	8447a	9467a
	RiceBeaux	6	LB/GAL	3	qt/a	3	qt/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
15	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3424a	19.750a	8930a	10009a
	League	75%		0.14	lb ai/a	3	oz wt/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1	% v/v			POST FL				

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GWN-10235 with Tank Mixes

Trial ID:C13-41 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-41 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 WEIGHT g HARVEST 0	RICE Jul-29-2013 MOISTURE % HARVEST	RICE Jul-29-2013 YIELD LB/A HARVEST 0	RICE Jul-29-2013 YIELD KG/HA HARVEST 0
	Pest Code											
	Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
	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
									31	32	33	34
16	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3033a	19.750a	7910a	8866a
	Sharpen	2.85	LB/GAL	0.0445	lb ai/a	2	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1%	v/v			POST FL				
17	Command	3	LB/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3289a	19.750a	8580a	9616a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	POST FL				
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL				
	Agri-Dex	100%		1%	v/v			POST FL				
	LSD (P=.05)								630.8	0.0000	1645.4	1844.2
	Standard Deviation								441.4	0.0000	1151.4	1290.5
	CV								13.75	0.0	13.75	13.75
	Replicate F								5.108	0.000	5.108	5.108
	Replicate Prob(F)								0.0038	1.0000	0.0038	0.0038
	Treatment F								1.360	0.000	1.360	1.360
	Treatment Prob(F)								0.2025	1.0000	0.2025	0.2025

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GWN-10235 with Beyond at Different Application Timings

Experiment number .....: **C13-42**
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 .....: 4/23/2013
Harvest date.....: 8/5/2013
Crop/Variety .....: CL111
Emergence date .....: 5/3/2013
Uniform std. treatment.....: N/A

Application type.....:	EPOST	LPOST	24 PREFLD	24 POSTFLD
Date applied [mm/dd/yy].....:	05/13/13	05/28/13	06/05/13	06/06/13
Time [hh:mm-hh:mm] .....:	12:30-1:00p	1:00-1:30p	11:00-11:05a	11:15-11:20am
Incorporation equip./Depth ..:	N/A	N/A	N/A	N/A
Air/Soil temperature [F].....:	77/73	77/78	83/82	86/84
Relative humidity [%].....:	37	79	63	61
Wind [mph, direction].....:	5-7, E	5-7, SE	3-6, NE	4-7, E
Weather [sunny, etc].....:	sunny	sunny	sunny	cloudy
Soil/Leaf surface moist .....:	wet/dry	dry/dry	wet/dry	flood/dry
Crop stage/Height .....:	2-3lf	4-5lf/6-9"	6lf-till	6lf-till
Sprayer type/MPH .....:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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.....:	15/24	15/23	15/23	15/23
Applied by .....:	BMM	JCF	BMM	BMM

Weed Species (population)..:	---------- (height/#leaves) ----------			
ALRPH(2-5m^{-2}).....:	2-5"/10-20lf	20-25lf/5-12"	4-12"/15-30lf	4-12"/15-30lf
ECHCG(5-15m^{-2})……..:	0.5-1"/1-3lf	3-5lf/3-6"	4-8"/4-6lf	4-8"/4-6lf
CYPES(2-5m^{-2}).....:	1-3"/3-6lf	3-9lf/5-8"	4-15"/3-9lf	4-15"/5-9lf
SEBEX(3-5m^{-2}).....:	3-6lf/2-5"	4-8"/4-8lf	4-8"/4-8lf	

Flush Dates .....: 5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood.....: 6/4/2013

*AMFF – Air mix flat fan nozzles

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GWN-10235 with Beyond at Different Application Timings

Experiment number .....: **C13-42**
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 .....: 4/23/2013
Harvest date.....: 8/5/2013
Crop/Variety .....: CL111
Emergence date .....: 5/3/2013
Uniform std. treatment.....: N/A

Application type.....: PI
Date applied [mm/dd/yy].....: 06/29/13
Time [hh:mm-hh:mm] .....: 8:00-8:15am
Incorporation equip./Depth ..: N/A
Air/Soil temperature [F].....: 85/83
Relative humidity [%].....: 83
Wind [mph, direction].....: 3-5, N
Weather [sunny, etc].....: sunny
Soil/Leaf surface moist .....: flood/dry
Crop stage/Height .....: 12-20"/1-3till
Sprayer type/MPH .....: CO_2BkPk/3
Nozzle type/Size* .....: AMFF/110015
Boom ht/# Noz/Spacing.....: 15/5/15
GPA/PSI.....: 15/23
Applied by .....: BMM

Weed Species (population)..:- (height/#leaves) -
ALRPH(3-5m^{-2}).....: 10-15"/10-20lf
ECHCG(50-75m^{-2}).....: 7-10"/1-2till
SEBEX(5-7m^{-2})……..:..: 12-17"/10-12lf
AESIN(3-5m^{-2}).....: 7-12"/7-10lf

*AMFF – Air mix flat fan nozzles

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GWN-10235 with Beyond at Different Application Timings

Trial ID:C13-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-42 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jul-22-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	41 DAT	55 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0b	0b	0b	0c
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95ab	94a	97a	98a	1c
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95ab	98a	95a	98a	8c
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	97a	99a	96a	97a	10bc
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	88ab	89a	90a	97a	0c
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	97a	90a	92a	97a	18b
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	83ab	90a	88a	95a	5c
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95ab	98a	95a	95a	28a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	80b	88a	90a	92a	1c
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
10	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	92ab	89a	96a	93a	6c
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
LSD (P=.05)									10.0	9.2	6.8	5.0	8.2
Standard Deviation									6.9	6.4	4.7	3.5	5.7
CV									8.41	7.64	5.6	4.05	74.42
Replicate F									0.860	1.367	0.486	0.798	1.158
Replicate Prob(F)									0.4736	0.2741	0.6948	0.5057	0.3438
Treatment F									72.689	86.294	159.391	303.138	9.725
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 with Beyond at Different Application Timings

Trial ID:C13-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-42 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									SEBEX	SEBEX	SEBEX	CYPES	CYPES
Rating Date									Jun-25-2013	Jul-8-2013	Jul-22-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	41 DAT	55 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0e	0c	0c	0b
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	15bc	25abc	18b	96a	94a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	18bc	30ab	28ab	97a	99a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	28ab	39a	30ab	95a	99a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5cd	5de	30ab	91a	96a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	18bc	35a	36a	97a	98a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	13cd	19bc	35a	68b	92a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	35a	38a	36a	94a	98a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5cd	20bc	30ab	88a	83a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
10	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	8cd	15cd	33ab	93a	96a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
LSD (P=.05)									10.0	10.3	11.2	10.8	10.4
Standard Deviation									6.9	7.1	7.7	7.4	7.2
CV									48.46	31.57	28.1	9.11	8.41
Replicate F									0.612	1.651	2.512	0.051	1.446
Replicate Prob(F)									0.6133	0.2010	0.0798	0.9844	0.2513
Treatment F									9.792	14.064	8.256	64.997	71.647
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 with Beyond at Different Application Timings

Trial ID:C13-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-42 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES Jul-8-2013 CONTROL % 41 DAT 0	CYPES Jul-22-2013 CONTROL % 55 DAT 0	RICE Jun-11-2013 INJURY % 14 DAT 0	RICE Jun-25-2013 INJURY % 28 DAT 0	RICE Jul-8-2013 INJURY % 41 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									11	12	13	14	15
1	Nontreated								0b	0b	0a	0a	0a
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	94a	98a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95a	99a	0a	0a	0a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95a	99a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	90a	98a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	Agri-Dex	100	%	1	% v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	95a	99a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100	%	1	% v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	89a	99a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	Agri-Dex	100	%	1	% v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	93a	99a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100	%	1	% v/v			24 POSTF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	88a	98a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	Agri-Dex	100	%	1	% v/v			PI					
10	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	92a	97a	0a	0a	0a
	Agri-Dex	100	%	1	% v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PI					
	Agri-Dex	100	%	1	% v/v			PI					
	LSD (P=.05)								6.2	1.2	0.0	0.0	0.0
	Standard Deviation								4.3	0.8	0.0	0.0	0.0
	CV								5.18	0.91	0.0	0.0	0.0
	Replicate F								1.469	0.052	0.000	0.000	0.000
	Replicate Prob(F)								0.2452	0.9841	1.0000	1.0000	1.0000
	Treatment F								185.670	5996.276	0.000	0.000	0.000
	Treatment Prob(F)								0.0001	0.0001	1.0000	1.0000	1.0000

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GWN-10235 with Beyond at Different Application Timings

Trial ID:C13-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-42 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-22-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013
Rating Type								INJURY	HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit								%	cm	cm	cm	cm
Trt-Eval Interval								55 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								0a	96a	100a	97a	99a
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	99a	96a	96a	100a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	102a	99a	100a	100a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	77a	99a	97a	84a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	97a	95a	99a	100a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	99a	102a	95a	97a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	97a	99a	101a	100a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	100a	102a	102a	102a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	99a	98a	100a	99a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
10	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	0a	103a	101a	101a	89a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
LSD (P=.05)									0.0	21.7	6.2	7.1	17.7
Standard Deviation									0.0	15.0	4.3	4.9	12.2
CV									0.0	15.5	4.34	4.96	12.63
Replicate F									0.000	0.709	1.727	1.101	2.166
Replicate Prob(F)									1.0000	0.5548	0.1851	0.3660	0.1152
Treatment F									0.000	0.946	1.110	1.028	0.886
Treatment Prob(F)									1.0000	0.5032	0.3888	0.4436	0.5499

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GWN-10235 with Beyond at Different Application Timings

Trial ID:C13-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-42 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013
Rating Type								AVG HEIGHT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								cm	g	%	LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated								98a	1882a	23a	4701a	5269a
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	97a	1932a	23a	4825a	5408a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	100a	1852a	23a	4624a	5183a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	89a	2209a	23a	5517a	6184a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	98a	2287a	23a	5713a	6403a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	98a	2000a	23a	4994a	5598a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	99a	2376a	23a	5933a	6650a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	101a	2240a	23a	5594a	6270a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	99a	2353a	23a	5876a	6586a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
10	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	98a	2419a	23a	6042a	6773a
	Agri-Dex	100%		1%	v/v			EPOST					
	Beyond	1	LB/GAL	0.039	lb ai/a	5	fl oz/a	PI					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PI					
	Agri-Dex	100%		1%	v/v			PI					
LSD (P=.05)									7.6	619.2	0.0	1546.6	1733.5
Standard Deviation									5.2	426.8	0.0	1065.9	1194.7
CV									5.34	19.8	0.0	19.8	19.8
Replicate F									1.920	2.527	0.000	2.527	2.527
Replicate Prob(F)									0.1502	0.0785	1.0000	0.0785	0.0785
Treatment F									1.610	1.039	0.000	1.039	1.039
Treatment Prob(F)									0.1623	0.4364	1.0000	0.4364	0.4364

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School of Plant, Environmental and Soil Sciences
GWN-10235 with Newpath at Different Application Timings

Experiment number	**C13-43**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/23/2013
Harvest date	8/5/2013
Crop/Variety	CL111
Emergence date	5/3/2013
Uniform std. treatment	N/A

Application type	EPOST	LPOST	24 PREFLD	24 POSTFLD
Date applied [mm/dd/yy]	05/13/13	05/28/13	06/03/13	06/05/13
Time [hh:mm-hh:mm]	12:30-1:00pm	1:30-1:35pm	11:05-11:10a	11:20-11:30am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	77/73	77/78	83/82	86/84
Relative humidity [%]	37	79	62	61
Wind [mph, direction]	5-7, E	5-7, E	3-6, NE	4-7, E
Weather [sunny, etc]	sunny	sunny	sunny	cloudy
Soil/Leaf surface moist	wet/dry	dry/dry	wet/dry	flood/dry
Crop stage/Height	2-3lf	4-5lf/6-9"	6lf-till	6lf-till
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	BMM	BMM

Weed Species (population)	---------- (height/#leaves) ----------			
ALRPH(2-5m^{-2})	2-5"/10-20lf	5-12"/20-25lf	4-12"/15-30lf	4-12"/15-30lf
ECHCG(150-200m^{-2})	0.5-1"/1-3lf	3-5"/3-5lf	4-8"/4-6lf	4-8"/4-6lf
CYPES(2-5m^{-2})	1-3"/3-6lf	5-9"/3-9lf	4-15"/3-9lf	4-15"/3-9lf
SEBEX(3-5m^{-2})		3-6"/3-6lf	4-8"/4-8lf	4-8"/4-8lf

Flush Dates	5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood	6/4/2013

*AMFF – Air mix flat fan nozzles

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GWN-10235 with Newpath at Different Application Timings

Trial ID:C13-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-43 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	28 DAT	41 DAT	14 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0b	0b	0b	0c
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	86a	83a	86a	0b	20bc
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	79a	75a	79a	21a	63a
	GWN- 10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	86a	84a	84a	18a	38ab
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	75a	73a	78a	0b	40ab
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	83a	80a	81a	25a	28bc
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	58b	75a	75a	0b	33b
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	28c	70a	74a	25a	25bc
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
LSD (P=.05)									12.2	13.8	14.5	7.9	21.9
Standard Deviation									8.3	9.4	9.8	5.4	14.9
CV									13.48	13.9	14.16	48.34	48.52
Replicate F									0.372	0.674	0.460	3.360	2.057
Replicate Prob(F)									0.7738	0.5775	0.7135	0.0381	0.1367
Treatment F									58.599	34.833	33.313	20.332	5.814
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0008

LSU AgCenter SPESS

GWN-10235 with Newpath at Different Application Timings

Trial ID:C13-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-43 Investigator:Eric P. Webster

Pest Code								SEBEX	ALRPH	CYPES	CYPES	CYPES
Rating Date								Jul-8-2013	Jun-11-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	C ONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								41 DAT	14 DAT	14 DAT	28 DAT	41 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0c	0a	0c	0b	0b
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	25b	0a	86a	94a	93a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	60a	5a	91a	94a	93a
	GWN- 10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	50ab	3a	91a	95a	93a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	35ab	1a	68ab	91a	93a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	48ab	4a	75a	93a	93a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	55a	4a	53b	90a	91a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	35ab	24a	86a	91a	94a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
LSD (P=.05)									18.9	23.3	16.9	6.0	4.0
Standard Deviation									12.8	15.8	11.5	4.1	2.7
CV									33.42	316.98	16.72	5.01	3.33
Replicate F									0.019	1.227	2.649	3.923	1.279
Replicate Prob(F)									0.9963	0.3245	0.0754	0.0228	0.3074
Treatment F									9.130	0.967	28.784	260.989	590.344
Treatment Prob(F)									0.0001	0.4798	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Newpath at Different Application Timings

Trial ID:C13-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-43 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-11-2013	Jun-25-2013	Jul-8-2013	Jul-26-2013	Jul-26-2013
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								14 DAT	28 DAT	41 DAT	59 DAT	59 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0a	0a	0a	89b	91a
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	102ab	101a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	106a	101a
	GWN- 10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	100ab	103a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	102ab	102a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	103ab	101a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	104a	101a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	EPOST	0a	0a	0a	101ab	100a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
LSD (P=.05)									0.0	0.0	0.0	9.2	8.6
Standard Deviation									0.0	0.0	0.0	6.2	5.8
CV									0.0	0.0	0.0	6.21	5.82
Replicate F									0.000	0.000	0.000	0.695	0.579
Replicate Prob(F)									1.0000	1.0000	1.0000	0.5655	0.6355
Treatment F									0.000	0.000	0.000	2.625	1.564
Treatment Prob(F)									1.0000	1.0000	1.0000	0.0409	0.2008

LSU AgCenter SPESS

GWN-10235 with Newpath at Different Application Timings

Trial ID:C13-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-43 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-26-2013	Jul-26-2013	Jul-26-2013	Aug-5-2013	Aug-5-2013
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT	MOISTURE
Rating Unit								cm	cm	cm	g	%
Trt-Eval Interval								59 DAT	59 DAT	59 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								92b	89b	90b	960b	23a
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	102a	100a	101a	2582a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	100a	102a	102a	2476a	23a
	GWN- 10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	102a	101a	101a	2243a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v			LPOST					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	103a	103a	102a	2319a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	103a	103a	102a	2061a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL					
	Agri-Dex	100%		1%	v/v			24 PREFL					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	99a	99a	101a	2298a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	102a	101a	101a	2491a	23a
	Agri-Dex	100%		1%	v/v			EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF					
	Agri-Dex	100%		1%	v/v			24 POSTF					
LSD (P=.05)									6.7	8.2	7.5	448.5	0.0
Standard Deviation									4.5	5.6	5.1	304.9	0.0
CV									4.52	5.58	5.11	14.0	0.0
Replicate F									2.348	0.886	1.084	2.131	0.000
Replicate Prob(F)									0.1018	0.4645	0.3775	0.1267	1.0000
Treatment F									2.593	2.630	2.530	11.594	0.000
Treatment Prob(F)									0.0428	0.0406	0.0470	0.0001	1.0000

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GWN-10235 with Newpath at Different Application Timings

Trial ID:C13-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-43 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 YIELD LB/A HARVEST 0 21	RICE Aug-5-2013 YIELD KG/HA HARVEST 0 22
1	Nontreated								2412b	2704b
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	6492a	7276a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	100%		1%	v/v			LPOST		
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	6225a	6978a
	GWN- 10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST		
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	100%		1%	v/v			LPOST		
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5638a	6319a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST		
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST		
	Agri-Dex	100%		1%	v/v			LPOST		
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5829a	6533a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL		
	Agri-Dex	100%		1%	v/v			24 PREFL		
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5182a	5808a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 PREFL		
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 PREFL		
	Agri-Dex	100%		1%	v/v			24 PREFL		
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	5777a	6475a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF		
	Agri-Dex	100%		1%	v/v			24 POSTF		
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	EPOST	6261a	7018a
	Agri-Dex	100%		1%	v/v			EPOST		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	24 POSTF		
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24 POSTF		
	Agri-Dex	100%		1%	v/v			24 POSTF		
LSD (P=.05)									1127.6	1263.8
Standard Deviation									766.6	859.3
CV									14.0	14.0
Replicate F									2.131	2.131
Replicate Prob(F)									0.1267	0.1267
Treatment F									11.594	11.594
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
GWN-10235 Timing Study in Water-Seeded Rice

Experiment number	**C13-44**
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	4/5/2013
Harvest date	7/29/2013
Crop/Variety	CL111
Emergence date	4/12/2013
Uniform std. treatment	N/A

Application type	PREPLANT	SEED.FLD.	POST.SD.FLD.	PEGGING
Date applied [mm/dd/yy]	04/01/13	04/03/13	04/05/13	04/17/13
Time [hh:mm-hh:mm]	10:20-10:30am	2:30-2:45pm	10:15-10:30am	10:30-10:45am
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	63/55	77/69	54/	78/72
Relative humidity [%]	91	50	68	76
Wind [mph, direction]	5-8, NNE	5-8, SE	7-10, N	5-7, SE
Weather [sunny, etc]	sunny	cloudy	sunny	sunny
Soil/Leaf surface moist	moist/dry	flood	wet/dry	wet/dry
Crop stage/Height	N/A	N/A	N/A	1-3lf/1-3"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/23	15/23
Applied by	EPW	BMM	BMM	BMM

LSU AgCenter
School of Plant, Environmental and Soil Sciences
GWN-10235 Timing Study in Water-Seeded Rice

Experiment number	**C13-44**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
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Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/5/2013
Harvest date	7/29/2013
Crop/Variety	CL111
Emergence date	4/12/2013
Uniform std. treatment	N/A

Application type	EPOST	POSTFLOOD	LPOST
Date applied [mm/dd/yy]	05/13/13	05/17/13	05/20/13
Time [hh:mm-hh:mm]	9:20-9:30am	10:00-10:15am	12:20-12:45pm
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	67/66	50/56	86/81
Relative humidity [%]	46	56	60
Wind [mph, direction]	8-12, E	10-12, N	8-12, S
Weather [sunny, etc]	sunny	sunny	pt. cloudy
Soil/Leaf surface moist	flood/dry	wet/dry	flooded/dry
Crop stage/Height	6lf	1-2lf/1-2"	6lf
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/22.5	15/23	15/22
Applied by	BMM	BMM	BMM

Weed Species (population)	---------- (height/#leaves) ----------		
AESIN(20-50m^{-2})	3-5"/2-6lf	1-2"/cot-2lf	4-8"/4-12lf
ECHCG(30-60m^{-2})	4-8"/3-4lf		4-8"/2-6lf
ALRPH(3-10m^{-2})	4-8"/10-20lf	1-5"/5-9lf	6-12"/10-30lf
CYPES(7-20m^{-2})	6-12"/3-6lf	1-3"/3-6lf	6-12"/5-9lf
HETLI(50-150m^{-2})	0.5-2"/cot-spoon		2-4"/spoon

Seeding Flood	4/2/2013
Permanent Flood	4/18/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date									May-9-2013	May-31-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAPEGG	11 DALPOST	21 DALPOST	36 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0c	0c	0d
2	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREPLANT	23cd	25bc	30bc	33bc	38c
3	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	SEED FLO	28c	18bc	25bc	55ab	61bc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	50b	43b	56b	58ab	86ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEGGING	86a	96a	96a	97a	98a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL	78a	97a	93a	99a	99a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	EPOST	0d	45b	38b	67ab	55bc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	LPOST	0d	45b	30bc	33bc	33c
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									18.0	21.8	26.1	37.6	26.7
Standard Deviation									12.2	14.8	17.8	25.5	18.2
CV									37.06	32.28	38.64	46.53	31.09
Replicate F									0.577	0.734	1.372	1.259	0.669
Replicate Prob(F)									0.6363	0.5431	0.2786	0.3138	0.5806
Treatment F									32.581	21.922	14.408	6.839	14.587
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0003	0.0001

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ALRPH	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date									May-9-2013	May-31-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAPEGG	11 DALPOST	21 DALPOST	36 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0	0
1	Nontreated								0a	0a	0a	0a	0c
2	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREPLANT	0a	0a	8a	5a	25abc
3	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	SEED FLO	0a	0a	1a	15a	30ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	0a	0a	0a	3a	19abc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEGGING	0a	0a	6a	18a	20abc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL	0a	0a	8a	15a	15bc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	EPOST	0a	0a	4a	5a	48a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	LPOST	0a	0a	0a	6a	28abc
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									0.0	0.0	8.3	11.3	19.2
Standard Deviation									0.0	0.0	5.7	7.7	13.0
CV									0.0	0.0	172.48	93.08	56.69
Replicate F									0.000	0.000	2.431	0.960	0.902
Replicate Prob(F)									1.0000	1.0000	0.0936	0.4300	0.4569
Treatment F									0.000	0.000	1.446	2.914	4.360
Treatment Prob(F)									1.0000	1.0000	0.2399	0.0270	0.0040

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									CYPES	CYPES	CYPES	CYPES	CYPES
Rating Date									May-9-2013	May-31-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAPEGG	11 DALPOST	21 DALPOST	36 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0c	0d	0d
2	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREPLANT	8cd	10c	15bc	16cd	33c
3	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	SEED FLO	20c	40b	35b	48bc	59b
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	23c	15c	38b	65ab	83ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEGGING	76a	91a	92a	98a	97a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL	60b	78a	84a	98a	96a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	EPOST	0d	23c	20bc	65ab	60b
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	LPOST	0d	18c	20bc	40bc	35c
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									13.1	16.5	19.6	32.2	19.7
Standard Deviation									8.9	11.2	13.3	21.9	13.4
CV									38.19	32.73	35.2	40.94	23.22
Replicate F									0.669	1.867	1.314	3.820	1.291
Replicate Prob(F)									0.5807	0.1661	0.2962	0.0250	0.3035
Treatment F									43.662	35.192	24.513	10.292	25.728
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									HETLI	HETLI	HETLI	HETLI	HETLI
Rating Date									May-9-2013	May-31-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAPEGG	11 DALPOST	21 DALPOST	36 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0c	0b	0b
2	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREPLANT	33b	64b	67b	75a	84a
3	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	SEED FLO	48b	81ab	84ab	90a	91a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	50b	73ab	75ab	88a	87a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEGGING	98a	96a	94ab	94a	93a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	POST FL	97a	99a	99a	99a	99a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	EPOST	0c	93a	95ab	99a	99a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	LPOST	0c	83ab	91ab	99a	97a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									21.4	18.5	20.2	19.9	15.3
Standard Deviation									14.5	12.6	13.7	13.5	10.4
CV									35.73	17.17	18.15	16.85	12.8
Replicate F									0.831	0.805	2.113	1.570	1.752
Replicate Prob(F)									0.4919	0.5053	0.1290	0.2263	0.1872
Treatment F									31.553	25.702	22.293	24.449	40.954
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									May-9-2013	May-31-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
Rating Type									INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit									%		%	%	%
Trt-Eval Interval									22 DAPEGG	11 DALPOST	21 DALPOST	36 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0	0
1	Nontreated								0a	0a	0a	0a	0a
2	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREPLANT	0a	0a	0a	0a	0a
3	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	SEED FLO	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEGGING	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST	0a	0a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									0.0	0.0	0.0	0.0	0.0
Standard Deviation									0.0	0.0	0.0	0.0	0.0
CV									0.0	0.0	0.0	0.0	0.0
Replicate F									0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F									0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	1.0000

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29
Pest Code									RICE	RICE	RICE	RICE
Rating Date									Jun-5-2013	Jun-5-2013	Jun-5-2013	Jul-8-2013
Rating Type									HEIGHT	HEIGHT	AVG HEIGHT	HEIGHT
Rating Unit									cm	cm	cm	cm
Trt-Eval Interval									16 DALPOST	16 DALPOST	16 DALPOST	49 DALPOST
Number of Decimals									0	0	0	0
1	Nontreated								59b	61a	60b	98a
2	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREPLANT	63ab	63a	63ab	96a
3	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	SEED FLO	67a	65a	66a	100a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO				
4	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	63ab	65a	64ab	98a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO				
5	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEGGING	65a	65a	65a	97a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING				
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL	66a	68a	67a	99a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL				
7	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST	64ab	65a	64ab	97a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST				
8	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST	64ab	63a	63ab	91a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST				
LSD (P=.05)									4.0	4.2	3.4	7.7
Standard Deviation									2.7	2.8	2.3	5.2
CV									4.24	4.41	3.61	5.38
Replicate F									2.745	1.086	2.530	2.473
Replicate Prob(F)									0.0686	0.3766	0.0848	0.0897
Treatment F									3.415	2.252	3.410	1.223
Treatment Prob(F)									0.0135	0.0709	0.0136	0.3342

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	30	31	32	33	34
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jul-8-2013	Jul-8-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type									HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									49 DALPOST	49 DALPOST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0
1	Nontreated								98a	98a	92a	91a	92a
2	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREPLANT	95a	96a	92a	92a	92a
3	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	SEED FLO	102a	101a	94a	92a	93a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SEED FLO					
4	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	99a	98a	96a	96a	96a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	24PSFLOO					
5	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEGGING	95a	96a	94a	96a	95a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	PEGGING					
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL	99a	99a	92a	96a	94a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	POST FL					
7	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST	97a	97a	90a	94a	92a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST	92a	91a	92a	95a	94a
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									5.9	6.2	6.2	4.7	4.4
Standard Deviation									4.0	4.2	4.2	3.2	3.0
CV									4.14	4.34	4.55	3.4	3.21
Replicate F									4.987	3.837	3.507	4.288	5.530
Replicate Prob(F)									0.0091	0.0246	0.0332	0.0165	0.0059
Treatment F									2.188	1.851	0.694	1.499	0.958
Treatment Prob(F)									0.0780	0.1299	0.6765	0.2215	0.4858

LSU AgCenter SPESS

GWN-10235 Timing Study in Water-Seeded Rice

Trial ID:C13-44 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-44 Investigator:Eric P. Webster

Pest Code							RICE	RICE	RICE	RICE
Rating Date							Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
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
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	35	36	37	38
1	Nontreated								2215b	18.0a	5894b	6606b
2	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREPLANT	2764a	18.0a	7354a	8243a
3	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	SEED FLO	2788a	18.0a	7420a	8317a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SEED FLO				
4	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	24PSFLOO	2853a	18.0a	7591a	8509a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	24PSFLOO				
5	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEGGING	2220b	18.0a	5909b	6623b
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	PEGGING				
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POST FL	2678ab	18.0a	7126ab	7987ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	POST FL				
7	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	EPOST	2385ab	18.0a	6347ab	7114ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST				
8	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	LPOST	2701ab	18.0a	7187ab	8056ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST				
LSD (P=.05)									351.2	0.00	934.6	1047.5
Standard Deviation									238.8	0.00	635.4	712.2
CV									9.27	0.0	9.27	9.27
Replicate F									6.067	0.000	6.067	6.067
Replicate Prob(F)									0.0039	1.0000	0.0039	0.0039
Treatment F									4.772	0.000	4.772	4.772
Treatment Prob(F)									0.0024	1.0000	0.0024	0.0024

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GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Experiment number	**C13-45**	
Location	RRS-Crowley, LA	
Experimental design	RCB	
Number of reps	4	
Plot size	5'x17'	
Row width/# per plot	7.5"/8	
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)	
% OM	1.4	
pH	6.4	
CEC	19.1	
Planting date	4/5/2013	
Harvest date	7/29/2013	
Crop/Variety	CL111	
Emergence date	4/12/2013	
Uniform std. treatment	N/A	
Application type	PREFLOOD	POSTFLOOD
Date applied [mm/dd/yy]	04/23/13	05/13/13
Time [hh:mm-hh:mm]	8:30-8:45am	9:20-9:30am
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	72/68	67/66
Relative humidity [%]	90	46
Wind [mph, direction]	5-8, SE	8-12, E
Weather [sunny, etc]	cloudy	sunny
Soil/Leaf surface moist	wet/dry	flood/dry
Crop stage/Height	1-3lf/1-3"	6lf
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15
GPA/PSI	15/22	15/22.5
Applied by	BMM	BMM

Weed Species (population):	---------- (height/#leaves) ----------
ECHCG(30-60m^{-2})	4-8"/3-4lf
ALRPH(3-10m^{-2})	4-8"/10-20lf
CYPES(7-20m^{-2})	6-12"/3-6lf
HETLI(50-150m^{-2})	0.5-2"/cot-spoon

Seeding Flood	4/2/2013
Permanent Flood	4/18/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	ALRPH
	Rating Date								May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								17 DAT	28 DAT	42 DAT	56 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0c	0d	0d	0d	0b
2	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	55b	96a	96a	98a	6ab
3	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	97a	98a	98a	99a	13ab
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	15c	25c	35c	45c	5ab
5	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	48b	38b	60b	78b	15a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
	LSD (P=.05)								21.6	9.9	11.2	7.2	10.1
	Standard Deviation								14.0	6.4	7.3	4.7	6.6
	CV								32.64	12.54	12.62	7.31	84.94
	Replicate F								0.892	2.273	0.459	0.981	0.567
	Replicate Prob(F)								0.4733	0.1323	0.7161	0.4342	0.6470
	Treatment F								29.213	186.232	130.118	321.225	3.346
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0465

LSU AgCenter SPESS

GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	CYPES	CYPES	CYPES
Rating Date								Jun-24-2013	Jul-8-2013	May-30-2013	Jun-10-2013	Jun-24-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								42 DAT	56 DAT	17 DAT	28 DAT	42 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0a	0b	0c	0c	0b
2	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	10a	15a	50ab	53b	64a
3	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	15a	18a	86a	93a	92a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	13a	20a	58ab	60b	70a
5	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	20a	23a	30bc	35b	53a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
LSD (P=.05)									13.8	7.3	36.0	20.9	31.7
Standard Deviation									8.9	4.7	23.4	13.6	20.6
CV									77.78	31.62	52.34	28.17	36.97
Replicate F									1.104	2.667	0.999	4.009	0.637
Replicate Prob(F)									0.3854	0.0951	0.4265	0.0344	0.6057
Treatment F									2.750	13.889	7.490	25.456	11.081
Treatment Prob(F)									0.0781	0.0002	0.0029	0.0001	0.0005

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GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								CYPES	HETLI	HETLI	HETLI	HETLI
Rating Date								Jul-8-2013	May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								56 DAT	17 DAT	28 DAT	42 DAT	56 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0b	0c	0c	0c	0c
2	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	85a	23b	30b	35b	55b
3	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	95a	98a	99a	99a	99a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		PREFLOOD					
4	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	81a	8c	18b	19bc	51b
5	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	83a	92a	97a	98a	98a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		POSTFLOO					
LSD (P=.05)									15.8	10.1	16.2	21.0	13.6
Standard Deviation									10.3	6.5	10.5	13.6	8.8
CV									14.95	14.91	21.61	27.16	14.56
Replicate F									0.533	0.254	0.448	1.772	1.569
Replicate Prob(F)									0.6682	0.8572	0.7230	0.2059	0.2481
Treatment F									57.085	207.468	77.292	45.343	85.367
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	Jun-5-2013
Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								17 DAT	28 DAT	42 DAT	56 DAT	23 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								0a	0a	0a	0a	60ab
2	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	0a	0a	0a	0a	60ab
3	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	0a	0a	0a	0a	57b
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD					
4	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	0a	0a	0a	0a	64a
5	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	0a	0a	0a	0a	55b
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO					
LSD (P=.05)									0.0	0.0	0.0	0.0	5.2
Standard Deviation									0.0	0.0	0.0	0.0	3.4
CV									0.0	0.0	0.0	0.0	5.71
Replicate F									0.000	0.000	0.000	0.000	1.516
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	0.2606
Treatment F									0.000	0.000	0.000	0.000	4.664
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0167

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GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-5-2013	Jun-5-2013	Jul-8-2013	Jul-8-2013	Jul-8-2013
Rating Type								HEIGHT	AVG HEIGHT	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								cm	cm	cm	cm	cm
Trt-Eval Interval								23 DAT	23 DAT	56 DAT	56 DAT	56 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated								63a	62ab	101a	98a	99a
2	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	61a	60ab	98a	101a	99a
3	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	59a	58ab	99a	98a	98a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		PREFLOOD					
4	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	62a	63a	99a	98a	98a
5	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	58a	56b	90a	91a	91a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		POSTFLOO					
LSD (P=.05)									4.5	4.4	10.9	7.1	8.5
Standard Deviation									2.9	2.8	7.1	4.6	5.5
CV									4.85	4.74	7.29	4.78	5.67
Replicate F									1.953	1.893	1.513	3.671	2.173
Replicate Prob(F)									0.1749	0.1846	0.2615	0.0438	0.1442
Treatment F									2.370	3.928	1.428	2.259	1.790
Treatment Prob(F)									0.1109	0.0290	0.2838	0.1232	0.1957

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GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT	MOISTURE
Rating Unit								cm	cm	cm	g	%
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Nontreated								94a	93a	93a	2951a	19a
2	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	91a	93a	92a	3288a	19a
3	Propanil	4LB/GAL		3qt/a		3qt/a		PREFLOOD	92a	93a	92a	2946a	19a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		PREFLOOD					
4	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	91a	93a	92a	2626a	19a
5	Propanil	4LB/GAL		3qt/a		3qt/a		POSTFLOO	88a	88a	88a	2469a	19a
	GWN-10235	3.34LB/GAL		0.22lb ai/a		8.4fl oz/a		POSTFLOO					
LSD (P=.05)									7.8	8.0	7.4	605.8	0.0
Standard Deviation									5.0	5.2	4.8	393.2	0.0
CV									5.54	5.68	5.29	13.77	0.0
Replicate F									2.863	1.757	2.308	0.335	0.000
Replicate Prob(F)									0.0811	0.2088	0.1284	0.8002	1.0000
Treatment F									0.568	0.570	0.576	2.629	0.000
Treatment Prob(F)									0.6910	0.6896	0.6857	0.0871	1.0000

LSU AgCenter SPESS

GWN-10235 + Propanil PREFLOOD and POSTFLOOD in Water Seeded Rice

Trial ID:C13-45 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-45 Investigator:Eric P. Webster

Pest Code								RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013
Rating Type								YIELD	YIELD
Rating Unit								LB/A	KG/HA
Trt-Eval Interval								HARVEST	HARVEST
Number of Decimals								0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32
1	Nontreated								7930a	8888a
2	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	8835a	9903a
3	Propanil	4	LB/GAL	3	qt/a	3	qt/a	PREFLOOD	7917a	8873a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREFLOOD		
4	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	7057a	7910a
5	Propanil	4	LB/GAL	3	qt/a	3	qt/a	POSTFLOO	6634a	7436a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	POSTFLOO		
LSD (P=.05)									1627.8	1824.5
Standard Deviation									1056.5	1184.1
CV									13.77	13.77
Replicate F									0.335	0.335
Replicate Prob(F)									0.8002	0.8002
Treatment F									2.629	2.629
Treatment Prob(F)									0.0871	0.0871

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GWN-10235 Rate-Spectrum Study

Experiment number..... : **C13-46**
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] ..... : 05/20/13
Time [hh:mm-hh:mm]..... : 12:45-12:50pm
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 86/81
Relative humidity [%] ..... : 60
Wind [mph, direction] ..... : 8-12, S
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : flooded/dry
Crop stage/Height ..... : N/A
Sprayer type/MPH..... : CO_2BkPk/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) -
AESIN(20-40m^{-2}) ..... : 4-8"/6-16lf
HETLI(150-300m^{-2})……..: : 2-4"/spoon
ECHCG(20-50m^{-2}) ..... : 4-6"/2-3lf
CYPES(20-40m^{-2}) ..... : 6-12"/3-9lf

Seeding Flood..... : 4/2/2013
Permanent Flood ..... : 4/18/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

GWN-10235 Rate-Spectrum Study Applied to Spooning Ducksalad

Trial ID:C13-46 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-46 Investigator:Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	AESIN	AESIN
Rating Date							May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013	May-30-2013	Jun-10-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							10 DAT	21 DAT	35 DAT	49 DAT	10 DAT	21 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	1	2	3	4	5	6
1	Nontreated							0f	0e	0e	0f	0f	0d
2	GWN-10235	3.34	LB/GAL	0.0275	lb ai/a	1.05	fl oz/a	8ef	8de	5e	5ef	0f	0d
	Agri-Dex	100%		1%	v/v								
3	GWN-10235	3.34	LB/GAL	0.055	lb ai/a	2.1	fl oz/a	10de	3de	6e	6ef	5ef	3d
	Agri-Dex	100%		1%	v/v								
4	GWN-10235	3.34	LB/GAL	0.11	lb ai/a	4.2	fl oz/a	18cd	10de	13de	16de	8ef	5d
	Agri-Dex	100%		1%	v/v								
5	GWN-10235	3.34	LB/GAL	0.165	lb ai/a	6.3	fl oz/a	23c	18d	15de	18de	13de	15c
	Agri-Dex	100%		1%	v/v								
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	25c	15de	25d	25d	18cd	15c
	Agri-Dex	100%		1%	v/v								
7	GWN-10235	3.34	LB/GAL	0.44	lb ai/a	16.9	fl oz/a	58b	43c	38c	45c	25bc	25b
	Agri-Dex	100%		1%	v/v								
8	GWN-10235	3.34	LB/GAL	0.66	lb ai/a	25.3	fl oz/a	65ab	68ab	69ab	75ab	33ab	30b
	Agri-Dex	100%		1%	v/v								
9	GWN-10235	3.34	LB/GAL	0.88	lb ai/a	33.7	fl oz/a	65ab	60b	58b	64b	25bc	28b
	Agri-Dex	100%		1%	v/v								
10	GWN-10235	3.34	LB/GAL	1.1	lb ai/a	42	fl oz/a	70a	75a	75a	81a	38a	43a
	Agri-Dex	100%		1%	v/v								
LSD (P=.05)								8.2	10.8	12.4	11.5	7.8	6.8
Standard Deviation								5.6	7.4	8.5	7.9	5.4	4.7
CV								16.6	24.95	28.24	23.72	33.23	28.95
Replicate F								3.558	2.950	2.935	0.238	1.000	0.414
Replicate Prob(F)								0.0273	0.0506	0.0513	0.8694	0.4079	0.7441
Treatment F								93.349	59.945	42.541	58.786	24.619	38.724
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 Rate-Spectrum Study Applied to Spooning Ducksalad

Trial ID:C13-46 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-46 Investigator:Eric P. Webster

Pest Code							AESIN	AESIN	CYPES	CYPES	CYPES	CYPES
Rating Date							Jun-24-2013	Jul-8-2013	May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							35 DAT	49 DAT	10 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	7	8	9	10	11	12
1	Nontreated							0e	0c	0d	0f	0f	0d
2	GWN-10235	3.34LB/GAL		0.0275	lb ai/a	1.05	fl oz/a	0e	0c	5cd	3f	3f	9cd
	Agri-Dex	100%		1%	v/v								
3	GWN-10235	3.34LB/GAL		0.055	lb ai/a	2.1	fl oz/a	3de	3c	10bcd	10ef	8ef	11cd
	Agri-Dex	100%		1%	v/v								
4	GWN-10235	3.34LB/GAL		0.11	lb ai/a	4.2	fl oz/a	6cde	5c	15a-d	18de	18de	23cd
	Agri-Dex	100%		1%	v/v								
5	GWN-10235	3.34LB/GAL		0.165	lb ai/a	6.3	fl oz/a	15c	5c	20abc	23cde	23d	21cd
	Agri-Dex	100%		1%	v/v								
6	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	13cd	8c	18abc	23cde	28cd	30bc
	Agri-Dex	100%		1%	v/v								
7	GWN-10235	3.34LB/GAL		0.44	lb ai/a	16.9	fl oz/a	28b	30b	23ab	33bcd	38bc	44b
	Agri-Dex	100%		1%	v/v								
8	GWN-10235	3.34LB/GAL		0.66	lb ai/a	25.3	fl oz/a	35b	39b	25ab	35bc	45b	48b
	Agri-Dex	100%		1%	v/v								
9	GWN-10235	3.34LB/GAL		0.88	lb ai/a	33.7	fl oz/a	33b	40b	30a	45b	48b	51b
	Agri-Dex	100%		1%	v/v								
10	GWN-10235	3.34LB/GAL		1.1	lb ai/a	42	fl oz/a	48a	70a	30a	65a	69a	75a
	Agri-Dex	100%		1%	v/v								
LSD (P=.05)								8.8	9.8	11.3	11.6	12.0	16.0
Standard Deviation								6.0	6.7	7.8	8.0	8.3	11.0
CV								33.74	33.92	44.54	31.68	29.94	35.48
Replicate F								2.400	1.774	2.250	0.768	1.447	2.192
Replicate Prob(F)								0.0898	0.1758	0.1053	0.5217	0.2512	0.1120
Treatment F								30.861	49.530	6.768	24.873	28.679	17.480
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 Rate-Spectrum Study Applied to Spooning Ducksalad

Trial ID:C13-46 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-46 Investigator:Eric P. Webster

Pest Code								HETLI	HETLI	HETLI	HETLI
Rating Date								May-30-2013	Jun-10-2013	Jun-24-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								10 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	13	14	15	16
1	Nontreated							0d	0d	0d	0c
2	GWN-10235	3.34	LB/GAL	0.0275	lb ai/a	1.05	fl oz/a	13cd	38c	48c	48b
	Agri-Dex	100%		1%	v/v						
3	GWN-10235	3.34	LB/GAL	0.055	lb ai/a	2.1	fl oz/a	28c	53b	84b	94a
	Agri-Dex	100%		1%	v/v						
4	GWN-10235	3.34	LB/GAL	0.11	lb ai/a	4.2	fl oz/a	58b	85a	95a	98a
	Agri-Dex	100%		1%	v/v						
5	GWN-10235	3.34	LB/GAL	0.165	lb ai/a	6.3	fl oz/a	70ab	91a	95a	96a
	Agri-Dex	100%		1%	v/v						
6	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	55b	95a	97a	98a
	Agri-Dex	100%		1%	v/v						
7	GWN-10235	3.34	LB/GAL	0.44	lb ai/a	16.9	fl oz/a	68ab	97a	99a	99a
	Agri-Dex	100%		1%	v/v						
8	GWN-10235	3.34	LB/GAL	0.66	lb ai/a	25.3	fl oz/a	83a	98a	99a	99a
	Agri-Dex	100%		1%	v/v						
9	GWN-10235	3.34	LB/GAL	0.88	lb ai/a	33.7	fl oz/a	79a	98a	99a	99a
	Agri-Dex	100%		1%	v/v						
10	GWN-10235	3.34	LB/GAL	1.1	lb ai/a	42	fl oz/a	85a	99a	99a	99a
	Agri-Dex	100%		1%	v/v						
LSD (P=.05)								15.6	14.3	6.4	4.1
Standard Deviation								10.7	9.9	4.4	2.8
CV								20.0	13.08	5.44	3.4
Replicate F								2.279	1.039	1.700	1.445
Replicate Prob(F)								0.1021	0.3913	0.1906	0.2516
Treatment F								31.581	47.704	218.282	553.670
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Experiment number..... : **C13-47**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1
Planting date ..... : 4/24/2013
Harvest date..... : 8/5/2013
Crop/Variety ..... : CL111
Emergence date..... : 5/3/2013
Uniform std. treatment ..... : N/A

Application type..... :	PRE PEG	PEG FLOOD	2-3 LEAF	10 DAPEG
Date applied [mm/dd/yy] ..... :	04/15/13	05/17/13	05/28/13	05/28/13
Time [hh:mm-hh:mm]..... :	12:45-1:00pm	1:15-2:00pm	12:30-12:45pm	12:00-12:45pm
Incorporation equip./Depth ..... :	N/A	N/A	N/A	N/A
Air/Soil temperature [F] ..... :	80	84/75	84/81	84/81
Relative humidity [%] ..... :	50	58	53	53
Wind [mph, direction] ..... :	10-13, S	8-12, S	7-9, SSE	7-9, SSE
Weather [sunny, etc] ..... :	cloudy	sunny	sunny	sunny
Soil/Leaf surface moist ..... :	wet/dry	flooded/dry	flooded/dry	flooded/dry
Crop stage/Height ..... :	2-3 lf	2-3 lf	4-6 lf	4-6 lf
Sprayer type/MPH..... :	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*..... :	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing ..... :	15/5/15	15/5/15	28/13/28	28/13/28
GPA/PSI..... :	10	10/2	8	8
Applied by ..... :	BMM	BMM	BMM	BMM

Weed Species (population)..... :	---------- (height/#leaves) ----------			
ECHCG(20-50m^{-2}) ..... :	0.5-1"/1-2lf	0.5-1"/2-3lf	6-12"/3-6lf	6-12"/3-6lf
ALRPH(5-15m^{-2}) ..... :	3-8"/10-30lf	3-9"/10-40lf	4-8"/10-30lf	4-8"/10-30lf
CYPIR(20-40m^{-2})……..:... :	0.5-1"/3lf	0.5-1"/2lf	4-8"/3-9lf	
SEBEX(1-3m^{-2}) ..... :			6-8"/6-9lf	6-8"/6-9lf
CYPES(10-30m^{-2}) ..... :				4-8"/3-9lf

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Experiment number..... : **C13-47**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1

Application type..... : 4-5 LEAF
Date applied [mm/dd/yy] ..... : 06/03/13
Time [hh:mm-hh:mm]..... : 10:30-11:00am
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 82/82
Relative humidity [%] ..... : 64
Wind [mph, direction] ..... : 3-6, NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 6lf-till
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 28/13/28
GPA/PSI..... : 10
Applied by ..... : BMM

Weed Species (population)..... :- (height/#leaves) -
ALRPH(5-15m^{-2}) ..... : 4-12"/10-30lf
SEBEX(2-7m^{-2}) ..... : 8-12"/4-6lf
CYPES(15-30m^{-2})……..:.. : 4-12"/3-9lf
CYPIR(30-50m^{-2}) ..... : 2-4"/3-6lf
ECHCG(10-20m^{-2}) ..... : 4-8"/3-6lf

Flush Dates..... : 5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood ..... : 5/31/2013

*AMFF – Air mix flat fan nozzles

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									8 DAT	22 DAT	35 DAT	8 DAT	22 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0f	0c	0c	0e
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PREF PEG	97a	95ab	98a	15bc	0e
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PREF PEG	98a	99a	99a	94a	99a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREF PEG					
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	65c	66e	86b	25b	33c
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	80b	78cd	93a	90a	99a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEG FLOO					
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	69bc	73de	83b	25b	76b
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	95a	85bc	95a	11bc	15d
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	94a	86bc	95a	15bc	18d
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF					
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	78bc	88bc	95a	83a	97a
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
LSD (P=.05)									11.0	7.9	4.2	15.5	10.3
Standard Deviation									7.5	5.4	2.9	10.6	7.0
CV									10.06	7.32	3.49	26.72	14.57
Replicate F									1.613	0.602	0.699	2.983	3.587
Replicate Prob(F)									0.2124	0.6200	0.5618	0.0513	0.0284
Treatment F									66.309	119.294	473.813	50.239	152.648
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	CYPES	CYPES	CYPES	HETLI
Pest Code									SEBEX	CYPES	CYPES	CYPES	HETLI
Rating Date									Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									35 DAT	8 DAT	22 DAT	35 DAT	8 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
1	Nontreated								0e	0c	0c	0c	0d
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	89a	70b	97a	84a	53b
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	99a	94a	97a	96a	98a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG					
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	48c	91a	94a	94a	25c
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	99a	93a	97a	95a	97a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO					
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	90a	84ab	65b	93a	58b
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	18d	91a	94a	92a	95a
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	78b	79ab	81ab	92a	94a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF					
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	93a	70b	75b	71b	95a
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
LSD (P=.05)									9.2	11.0	13.9	8.4	19.1
Standard Deviation									6.3	7.5	9.5	5.8	13.1
CV									9.26	10.12	12.21	7.23	19.21
Replicate F									7.693	2.646	0.262	1.946	1.508
Replicate Prob(F)									0.0009	0.0720	0.8522	0.1491	0.2379
Treatment F									140.136	61.024	43.548	114.888	31.100
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Pest Code								HETLI	HETLI	RICE	RICE	RICE
Rating Date								Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								22 DAT	35 DAT	8 DAT	22 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0e	0c	0a	0a	0a
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	23d	0c	0a	0a	0a
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	95a	57b	0a	0a	0a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG					
	Agri-Dex	100%		1%	v/v			PREF PEG					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	33c	10c	0a	0a	0a
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	98a	87a	0a	0a	0a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO					
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	85b	88a	0a	0a	0a
	Agri-Dex	100%		1%	v/v			PEG FLOO					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG					
	Agri-Dex	100%		1%	v/v			10 DAPEG					
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	96a	54b	0a	0a	0a
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	95a	91a	0a	0a	0a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF					
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	99a	98a	0a	0a	0a
	Agri-Dex	100%		1%	v/v			2-3 LEAF					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF					
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v			4-5 LEAF					
LSD (P=.05)									6.7	24.9	0.0	0.0	0.0
Standard Deviation									4.6	17.1	0.0	0.0	0.0
CV									6.68	31.73	0.0	0.0	0.0
Replicate F									0.599	1.688	0.000	0.000	0.000
Replicate Prob(F)									0.6218	0.1961	1.0000	1.0000	1.0000
Treatment F									287.720	22.802	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 HEIGHT cm HARVEST (E) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (E) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (E) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (E) 0
1	Nontreated								99a	97a	98a	99a
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	102a	100a	102a	103a
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	101a	103a	101a	101a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG				
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	101a	101a	99a	100a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	100a	99a	97a	99a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO				
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	97a	100a	100a	99a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	95a	76a	98a	98a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	99a	98a	98a	98a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF				
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	101a	99a	98a	97a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
LSD (P=.05)									4.9	22.0	5.1	5.3
Standard Deviation									3.4	15.1	3.5	3.7
CV									3.41	15.6	3.55	3.69
Replicate F									0.214	1.110	1.025	2.552
Replicate Prob(F)									0.8860	0.3643	0.3989	0.0793
Treatment F									1.750	1.138	0.827	1.187
Treatment Prob(F)									0.1378	0.3744	0.5873	0.3470

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 AVG HEIGHT cm HARVEST (E) 0	RICE Aug-5-2013 WEIGHT g HARVEST (E) 0	RICE Aug-5-2013 MOISTURE % HARVEST (E) 0	RICE Aug-5-2013 YIELD LB/A HARVEST (E) 0
1	Nontreated								98a	0b	0b	0b
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	102a	4091a	20a	7184a
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	101a	4081a	20a	7154a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG				
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	100a	4090a	20a	7104a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	99a	4421a	21a	7643a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO				
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	99a	4405a	20a	7694a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	92a	4903a	20a	8522a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	98a	4600a	20a	8027a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF				
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	98a	4536a	20a	7900a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
LSD (P=.05)									6.9	835.8	0.8	1443.5
Standard Deviation									4.7	572.7	0.5	989.1
CV									4.78	14.67	2.88	14.54
Replicate F									1.311	1.264	1.730	1.359
Replicate Prob(F)									0.2938	0.3091	0.1876	0.2792
Treatment F									1.579	27.052	682.162	27.497
Treatment Prob(F)									0.1836	0.0001	0.0001	0.0001

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 YIELD KG/HA HARVEST (E) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (W) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (W) 0	RICE Aug-5-2013 HEIGHT cm HARVEST (W) 0
1	Nontreated								0b	98a	99a	100a
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	8052a	101a	99a	100a
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	8018a	101a	101a	99a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG				
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	7962a	99a	100a	100a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	8567a	101a	102a	100a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO				
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	8623a	99a	98a	98a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	9552a	99a	97a	95a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	8997a	99a	97a	99a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF				
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	8854a	101a	98a	102a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
LSD (P=.05)									1617.9	5.9	6.6	5.3
Standard Deviation									1108.6	4.1	4.5	3.6
CV									14.54	4.08	4.6	3.65
Replicate F									1.359	0.871	0.388	0.456
Replicate Prob(F)									0.2792	0.4697	0.7627	0.7158
Treatment F									27.497	0.341	0.509	1.232
Treatment Prob(F)									0.0001	0.9408	0.8378	0.3234

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GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 HEIGHT cm HARVEST (W) 0	RICE Aug-5-2013 AVG HEIGHT cm HARVEST (W) 0	RICE Aug-5-2013 WEIGHT g HARVEST (W) 0	RICE Aug-5-2013 MOISTURE % HARVEST (W) 0
									28	29	30	31
1	Nontreated								99a	99a	0b	0b
2	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	100a	100a	4393a	20a
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
3	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PREF PEG	100a	100a	4433a	20a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PREF PEG				
	Agri-Dex	100%		1%	v/v			PREF PEG				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
4	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	100a	100a	3945a	21a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
5	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	100a	100a	4794a	21a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	PEG FLOO				
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
6	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	PEG FLOO	98a	98a	4398a	21a
	Agri-Dex	100%		1%	v/v			PEG FLOO				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	10 DAPEG				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	10 DAPEG				
	Agri-Dex	100%		1%	v/v			10 DAPEG				
7	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	96a	97a	4375a	20a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
8	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	98a	98a	4516a	20a
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF				
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
9	Newpath	2LB/GAL		0.094	lb ai/a	6	fl oz/a	2-3 LEAF	97a	100a	4392a	21a
	Agri-Dex	100%		1%	v/v			2-3 LEAF				
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	4-5 LEAF				
	GWN-10235	3.34LB/GAL		0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF				
	Agri-Dex	100%		1%	v/v			4-5 LEAF				
LSD (P=.05)									4.7	4.6	841.5	1.3
Standard Deviation									3.2	3.1	576.6	0.9
CV									3.23	3.17	14.72	4.79
Replicate F									1.662	0.918	2.379	1.198
Replicate Prob(F)									0.2016	0.4471	0.0947	0.3318
Treatment F									0.855	0.629	26.517	245.932
Treatment Prob(F)									0.5658	0.7454	0.0001	0.0001

LSU AgCenter SPESS

GWN-10235 with Newpath Applied Before and In Pinpoint Flood in Water-Seeded Rice

Trial ID:C13-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-47 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 YIELD LB/A HARVEST (W) 0	RICE Aug-5-2013 YIELD KG/HA HARVEST (W) 0
									32	33
1	Nontreated								0b	0b
2	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PREF PEG	7700a	8631a
	Agri-Dex	100%		1%	v/v			PREF PEG		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG		
	Agri-Dex	100%		1%	v/v			10 DAPEG		
3	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PREF PEG	7742a	8678a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PREF PEG		
	Agri-Dex	100%		1%	v/v			PREF PEG		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG		
	Agri-Dex	100%		1%	v/v			10 DAPEG		
4	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	6842a	7669a
	Agri-Dex	100%		1%	v/v			PEG FLOO		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG		
	Agri-Dex	100%		1%	v/v			10 DAPEG		
5	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	8276a	9276a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	PEG FLOO		
	Agri-Dex	100%		1%	v/v			PEG FLOO		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG		
	Agri-Dex	100%		1%	v/v			10 DAPEG		
6	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	PEG FLOO	7569a	8483a
	Agri-Dex	100%		1%	v/v			PEG FLOO		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	10 DAPEG		
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	10 DAPEG		
	Agri-Dex	100%		1%	v/v			10 DAPEG		
7	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	7609a	8529a
	Agri-Dex	100%		1%	v/v			2-3 LEAF		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v			4-5 LEAF		
8	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	7864a	8815a
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	2-3 LEAF		
	Agri-Dex	100%		1%	v/v			2-3 LEAF		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v			4-5 LEAF		
9	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	2-3 LEAF	7622a	8543a
	Agri-Dex	100%		1%	v/v			2-3 LEAF		
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LEAF		
	GWN-10235	3.34	LB/GAL	0.22	lb ai/a	8.4	fl oz/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v			4-5 LEAF		
LSD (P=.05)									1493.5	1674.0
Standard Deviation									1023.3	1147.0
CV									15.04	15.04
Replicate F									2.569	2.569
Replicate Prob(F)									0.0780	0.0780
Treatment F									25.388	25.388
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Propanil + Bispyribac Study

Experiment number..... : **C13-48**
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 ..... : 3/27/2013
Harvest date..... : 7/30/2013
Crop/Variety ..... : CL111
Emergence date..... : 4/16/2013
Uniform std. treatment ..... : N/A

Application type..... : PREFLOOD
Date applied [mm/dd/yy] ..... : 05/15/13
Time [hh:mm-hh:mm]..... : 10:30-10:45am
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 77/78
Relative humidity [%] ..... : 64
Wind [mph, direction] ..... : 9, S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 4lf-1till/6-9"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/23
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) -
ECHCG(100-150m^{-2}) ..... : 10-15"/1-2tiller
BRAPP(50-75m^{-2}) ..... : 8-15"/1-2tiller
SEBEX(5-7m^{-2})……:..... : 15-30"/15-25lf
AESIN(3-6m^{-2}) ..... : 10-20"/15-20lf
ALRPH(7-10m^{-2}) ..... : 10-20"/15-40lf
CYPES(5-10m^{-2}) ..... : 12-24"9-24lf

Flush Dates..... : 4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood ..... : 5/17/2013

*AMFF – Air mix flat fan nozzles

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Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
	Rating Date								Jun-10-2013	Jun-25-2013	Jul-8-2013	Jun-10-2013	Jun-25-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								26 DAT	41 DAT	54 DAT	26 DAT	41 DAT
	Number of Decimals								0	0	0	0	0
1	SuperWham	4LB/GAL		2	qt/a	2	lb ai/a	PREFLOOD	93a	87a	89a	81a	40a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
2	SuperWham	4LB/GAL		3	qt/a	3	lb ai/a	PREFLOOD	93a	86a	90a	79a	50a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
3	SuperWham	4LB/GAL		2	qt/a	2	lb ai/a	PREFLOOD	95a	89a	85a	82a	46a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
4	SuperWham	4LB/GAL		3	qt/a	3	lb ai/a	PREFLOOD	93a	85a	88a	78a	44a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
5	SuperWham	4LB/GAL		2	qt/a	2	lb ai/a	PREFLOOD	94a	87a	88a	78a	45a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
6	SuperWham	4LB/GAL		3	qt/a	3	lb ai/a	PREFLOOD	92a	83a	84a	75a	50a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
7	SuperWham	4LB/GAL		2	qt/a	2	lb ai/a	PREFLOOD	91a	88a	84a	74a	50a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
8	SuperWham	4LB/GAL		3	qt/a	3	lb ai/a	PREFLOOD	93a	86a	83a	79a	48a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
9	SuperWham	4LB/GAL		2	qt/a	2	lb ai/a	PREFLOOD	89a	87a	80a	66a	48a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
10	SuperWham	4LB/GAL		3	qt/a	3	lb ai/a	PREFLOOD	91a	87a	85a	65a	50a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
11	Nontreated								0b	0b	0b	0b	0b
	LSD (P=.05)								4.0	4.0	6.8	14.8	8.2
	Standard Deviation								2.8	2.8	4.7	10.3	5.7
	CV								3.31	3.57	6.09	14.95	13.37
	Replicate F								12.062	2.898	0.161	7.060	2.648
	Replicate Prob(F)								0.0001	0.0513	0.9217	0.0010	0.0669
	Treatment F								402.237	345.771	120.112	20.800	25.864
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ECHCG	AESIN	AESIN	AESIN	SEBEX
	Rating Date								Jul-8-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013	Jun-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								54 DAT	26 DAT	41 DAT	54 DAT	26 DAT
	Number of Decimals								0	0	0	0	0
1	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	81a	94a	98a	98a	94a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
2	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	86a	97a	98a	96a	98a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
3	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	84a	98a	98a	98a	98a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
4	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	83a	93a	98a	98a	94a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
5	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	85a	92a	98a	98a	96a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
6	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	78a	94a	98a	92a	93a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
7	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	78a	87a	98a	93a	91a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
8	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	75a	91a	98a	93a	89a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
9	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	68a	88a	98a	96a	94a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
10	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	79a	96a	98a	90a	94a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
11	Nontreated								0b	0b	0b	0b	0b
	LSD (P=.05)								14.6	8.4	0.4	6.1	5.7
	Standard Deviation								10.1	5.8	0.3	4.2	3.9
	CV								13.98	6.88	0.34	4.86	4.62
	Replicate F								3.964	3.951	42.250	2.357	6.301
	Replicate Prob(F)								0.0171	0.0173	0.0001	0.0915	0.0019
	Treatment F								23.615	94.277	38162.204	188.236	208.250
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								SEBEX	SEBEX	ALRPH	ALRPH	CYPES
	Rating Date								Jun-25-2013	Jul-8-2013	Jun-10-2013	Jun-25-2013	Jun-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								41 DAT	54 DAT	26 DAT	41 DAT	26 DAT
	Number of Decimals								0	0	0	0	0
1	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	98a	98ab	94a	91a	95a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
2	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	98a	98ab	89a	90a	94a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
3	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	98a	98ab	95a	90a	93a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
4	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	98a	97b	88a	88a	92a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
5	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	98a	98ab	89a	92a	91a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
6	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	98a	98ab	85a	88a	94a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
7	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	98a	98ab	89a	90a	93a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
8	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	98a	98a	89a	90a	94a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
9	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	97a	98ab	86a	91a	90a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
10	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	98a	98ab	86a	90a	94a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
11	Nontreated								0b	0c	0b	0b	0b
	LSD (P=.05)								0.7	0.8	7.0	5.0	6.1
	Standard Deviation								0.5	0.5	4.9	3.5	4.2
	CV								0.55	0.61	6.01	4.26	4.97
	Replicate F								15.943	9.948	1.343	3.009	2.636
	Replicate Prob(F)								0.0001	0.0001	0.2791	0.0456	0.0678
	Treatment F								14401.454	11847.592	123.617	242.604	178.802
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
	Pest Code								CYPES	CYPES	RICE	RICE	RICE
	Rating Date								Jun-25-2013	Jul-8-2013	Jun-10-2013	Jun-25-2013	Jul-8-2013
	Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								41 DAT	54 DAT	26 DAT	41 DAT	54 DAT
	Number of Decimals								0	0	0	0	0
1	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
2	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
3	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
4	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	94a	97a	0a	0a	0a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
5	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
6	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
7	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
8	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	96a	98a	0a	0a	0a
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
9	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	93a	97a	0a	0a	0a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
10	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	94a	98a	0a	0a	0a
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
11	Nontreated								0b	0b	0a	0a	0a
	LSD (P=.05)								2.5	0.9	0.0	0.0	0.0
	Standard Deviation								1.7	0.6	0.0	0.0	0.0
	CV								1.97	0.71	0.0	0.0	0.0
	Replicate F								5.940	8.827	0.000	0.000	0.000
	Replicate Prob(F)								0.0026	0.0002	1.0000	1.0000	1.0000
	Treatment F								1133.328	8780.447	0.000	0.000	0.000
	Treatment Prob(F)								0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 HEIGHT cm HARVEST 0	RICE Jul-29-2013 AVG HEIGHT cm HARVEST 0	RICE Jul-30-2013 WEIGHT g HARVEST 0	RICE Jul-30-2013 MOISTURE % HARVEST 0
									21	22	23	24	25
1	SuperWham	4LB/GAL		2qt/a		2lb	ai/a	PREFLOOD	104a	104a	104ab	2716a	19a
	Regiment	80%		0.5oz/a		0.025lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
2	SuperWham	4LB/GAL		3qt/a		3lb	ai/a	PREFLOOD	99a	100a	100ab	2384ab	19a
	Regiment	80%		0.5oz/a		0.025lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
3	SuperWham	4LB/GAL		2qt/a		2lb	ai/a	PREFLOOD	104a	105a	105a	2580a	19a
	Regiment	80%		0.375oz/a		0.0188lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
4	SuperWham	4LB/GAL		3qt/a		3lb	ai/a	PREFLOOD	105a	104a	104a	2219ab	19a
	Regiment	80%		0.375oz/a		0.0188lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
5	SuperWham	4LB/GAL		2qt/a		2lb	ai/a	PREFLOOD	101a	100a	100ab	2721a	19a
	Regiment	80%		0.25oz/a		0.0125lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
6	SuperWham	4LB/GAL		3qt/a		3lb	ai/a	PREFLOOD	100a	103a	101ab	2527a	19a
	Regiment	80%		0.25oz/a		0.0125lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
7	SuperWham	4LB/GAL		2qt/a		2lb	ai/a	PREFLOOD	100a	101a	100ab	2302ab	19a
	Regiment	80%		0.125oz/a		0.00625lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
8	SuperWham	4LB/GAL		3qt/a		3lb	ai/a	PREFLOOD	102a	103a	102ab	2489ab	19a
	Regiment	80%		0.125oz/a		0.00625lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
9	SuperWham	4LB/GAL		2qt/a		2lb	ai/a	PREFLOOD	98a	100a	99ab	1893b	19a
	Regiment	80%		0.083oz/a		0.00415lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
10	SuperWham	4LB/GAL		3qt/a		3lb	ai/a	PREFLOOD	105a	104a	104ab	2227ab	19a
	Regiment	80%		0.083oz/a		0.00415lb	ai/a	PREFLOOD					
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD					
11	Nontreated								98a	97a	98b	1259c	19a
LSD (P=.05)									4.2	5.0	4.1	409.0	0.0
Standard Deviation									2.9	3.5	2.8	283.2	0.0
CV									2.84	3.4	2.78	12.31	0.0
Replicate F									5.329	1.604	3.641	9.062	0.000
Replicate Prob(F)									0.0046	0.2093	0.0237	0.0002	1.0000
Treatment F									3.314	2.107	3.071	8.901	0.000
Treatment Prob(F)									0.0053	0.0561	0.0084	0.0001	1.0000

LSU AgCenter SPESS

Propanil + Bispyribac Study

Trial ID:C13-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-48 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27
	Pest Code								RICE	RICE
	Rating Date								Jul-30-2013	Jul-30-2013
	Rating Type								YIELD	YIELD
	Rating Unit								LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	7657a	8582a
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
2	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	6721ab	7533ab
	Regiment	80%		0.5	oz/a	0.025	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
3	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	7274a	8153a
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
4	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	6255ab	7011ab
	Regiment	80%		0.375	oz/a	0.0188	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
5	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	7672a	8599a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
6	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	7124a	7985a
	Regiment	80%		0.25	oz/a	0.0125	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
7	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	6490ab	7274ab
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
8	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	7017ab	7865ab
	Regiment	80%		0.125	oz/a	0.00625	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
9	SuperWham	4	LB/GAL	2	qt/a	2	lb ai/a	PREFLOOD	5336b	5980b
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
10	SuperWham	4	LB/GAL	3	qt/a	3	lb ai/a	PREFLOOD	6279ab	7037ab
	Regiment	80%		0.083	oz/a	0.00415	lb ai/a	PREFLOOD		
	Dyne-A-Pak	100%		1%	v/v			PREFLOOD		
11	Nontreated								3549c	3978c
	LSD (P=.05)								1153.0	1292.3
	Standard Deviation								798.5	895.0
	CV								12.31	12.31
	Replicate F								9.062	9.062
	Replicate Prob(F)								0.0002	0.0002
	Treatment F								8.901	8.901
	Treatment Prob(F)								0.0001	0.0001

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Londax - MSO vs. COC

Experiment number	:	**C13-49**
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
Planting date	:	3/27/2013
Harvest date	:	7/29/2013
Crop/Variety	:	CL111
Emergence date	:	4/16/2013
Uniform std. treatment	:	Command at 12.8 fl oz/A PRE

Application type	:	PRE	PREFLOOD
Date applied [mm/dd/yy]	:	03/29/13	05/15/13
Time [hh:mm-hh:mm]	:	9:00-9:30am	10:45-11:00am
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	53/41	77/78
Relative humidity [%]	:	89	64
Wind [mph, direction]	:	0-2, SSE	7-9, S
Weather [sunny, etc]	:	cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	wet/dry
Crop stage/Height	:	N/A	4lf-1till/6-9"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
SEBEX(5-10m^{-2})	:	15-20"/10-20lf
AESIN(3-5m^{-2})	:	10-15"/7-15lf
ECHCG(10-50m^{-2})……..:.	:	20-25"/1-3tiller
BRAPP(15-20m^{-2})	:	20-25"/1-3tiller
CYPES(7-10m^{-2})	:	15-30"/12-24lf
ALRPH(5-10m^{-2})	:	10-30"/15-45lf

Flush Dates	:	4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood	:	5/17/2013

*AMFF – Air mix flat fan nozzles

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	ECHCG	ECHCG	AESIN
Rating Date									Jun-11-2013	Jun-25-2013	Jun-11-2013	Jun-25-2013	Jun-11-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									27 DAT	41 DAT	27 DAT	41 DAT	27 DAT
Number of Decimals									0	0	0	0	0
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	84b	98a	75a	93a	54b
	Agri-Dex	100%		1%	v/v			PREFLOOD					
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	89ab	97a	73a	91a	20c
	MSO	100%		1%	v/v			PREFLOOD					
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	92ab	97a	85a	94a	83a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	93ab	98a	81a	94a	75ab
	MSO	100%		1%	v/v			PREFLOOD					
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	94ab	97a	84a	90a	73ab
	Agri-Dex	100%		1%	v/v			PREFLOOD					
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	96a	97a	91a	91a	85a
	MSO	100%		1%	v/v			PREFLOOD					
7	Nontreated								0c	0b	0b	0b	0d
LSD (P=.05)									7.9	1.1	12.0	5.3	19.7
Standard Deviation									5.3	0.7	8.1	3.6	13.2
CV									6.78	0.85	11.63	4.55	23.83
Replicate F									1.349	6.469	1.615	0.462	1.079
Replicate Prob(F)									0.2901	0.0037	0.2209	0.7126	0.3829
Treatment F									171.707	10640.907	59.728	376.292	25.175
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									AESIN	AESIN	SEBEX	SEBEX	SEBEX
Rating Date									Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									41 DAT	54 DAT	27 DAT	41 DAT	54 DAT
Number of Decimals									0	0	0	0	0
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	91a	77a	90ab	98a	97a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	91a	78a	88b	98a	96a
	MSO	100%		1%	v/v			PREFLOOD					
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	88a	81a	91ab	98a	97a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	89a	78a	95a	98a	98a
	MSO	100%		1%	v/v			PREFLOOD					
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	88a	81a	93ab	98a	97a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	90a	90a	96a	98a	97a
	MSO	100%		1%	v/v			PREFLOOD					
7	Nontreated								0b	0b	0c	0b	0b
LSD (P=.05)									6.4	14.2	4.6	0.5	1.9
Standard Deviation									4.3	9.6	3.1	0.3	1.3
CV									5.65	13.85	3.96	0.41	1.56
Replicate F									0.577	2.619	3.161	19.200	0.702
Replicate Prob(F)									0.6376	0.0824	0.0499	0.0001	0.5630
Treatment F									243.964	41.438	499.045	45786.605	3212.405
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									ALRPH	ALRPH	ALRPH	CYPES	CYPES
Rating Date									Jun-11-2013	Jun-25-2013	Jul-8-2013	Jun-11-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									27 DAT	41 DAT	54 DAT	27 DAT	41 DAT
Number of Decimals									0	0	0	0	0
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	0a	44a	56a	86ab	95a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	0a	45a	50a	66b	95a
	MSO	100%		1%	v/v			PREFLOOD					
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	0a	43a	49a	83ab	95a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	0a	44a	55a	79ab	94a
	MSO	100%		1%	v/v			PREFLOOD					
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	0a	39a	50a	89a	94a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	0a	48a	55a	92a	94a
	MSO	100%		1%	v/v			PREFLOOD					
7	Nontreated								0a	0b	0b	0c	0b
LSD (P=.05)									0.0	10.1	19.5	15.0	3.3
Standard Deviation									0.0	6.8	13.1	10.1	2.2
CV									0.0	18.23	29.1	14.26	2.72
Replicate F									0.000	0.591	0.874	4.377	0.580
Replicate Prob(F)									1.0000	0.6290	0.4726	0.0176	0.6358
Treatment F									0.000	23.981	9.389	40.983	1054.885
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001	0.0001

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Pest Code								CYPES	RICE	RICE	RICE	RICE
Rating Date								Jul-8-2013	Jun-11-2013	Jun-25-2013	Jul-8-2013	Jul-29-2013
Rating Type								CONTROL	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	cm
Trt-Eval Interval								54 DAT	27 DAT	41 DAT	54 DAT	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	75a	0a	0a	0a	107a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	76a	0a	0a	0a	109a
	MSO	100%		1%	v/v			PREFLOOD					
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	75a	0a	0a	0a	110a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	74a	0a	0a	0a	113a
	MSO	100%		1%	v/v			PREFLOOD					
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	76a	0a	0a	0a	110a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	79a	0a	0a	0a	112a
	MSO	100%		1%	v/v			PREFLOOD					
7	Nontreated								0b	0a	0a	0a	114a
LSD (P=.05)									5.2	0.0	0.0	0.0	6.2
Standard Deviation									3.5	0.0	0.0	0.0	4.2
CV									5.35	0.0	0.0	0.0	3.79
Replicate F									0.197	0.000	0.000	0.000	3.514
Replicate Prob(F)									0.8973	1.0000	1.0000	1.0000	0.0365
Treatment F									272.312	0.000	0.000	0.000	1.369
Treatment Prob(F)									0.0001	1.0000	1.0000	1.0000	0.2794

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013	Jul-29-2013
Rating Type								HEIGHT	AVG HEIGHT	WEIGHT	MOISTURE	YIELD
Rating Unit								cm	cm	g	%	LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	109a	108a	2947a	21a	7309a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	109a	109a	2747a	21a	6812a
	MSO	100%		1%	v/v			PREFLOOD					
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	109a	110a	3143a	21a	7795a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	113a	113a	3277a	21a	8128a
	MSO	100%		1%	v/v			PREFLOOD					
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	111a	110a	3182a	21a	7892a
	Agri-Dex	100%		1%	v/v			PREFLOOD					
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	111a	112a	2999a	21a	7437a
	MSO	100%		1%	v/v			PREFLOOD					
7	Nontreated								112a	113a	1466b	21a	3636b
LSD (P=.05)									5.8	4.6	609.6	0.0	1512.1
Standard Deviation									3.9	3.1	410.4	0.0	1017.8
CV									3.56	2.79	14.54	0.0	14.54
Replicate F									1.090	3.192	1.997	0.000	1.997
Replicate Prob(F)									0.3788	0.0486	0.1506	1.0000	0.1506
Treatment F									0.623	1.554	9.228	0.000	9.228
Treatment Prob(F)									0.7095	0.2175	0.0001	1.0000	0.0001

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Londax- MSO vs. COC

Trial ID:C13-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C13-49 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26
	Pest Code								RICE
	Rating Date								Jul-29-2013
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	8192a
	Agri-Dex	100%		1%	v/v			PREFLOOD	
2	Londax	60%		0.8	oz/a	0.03	lb ai/a	PREFLOOD	7635a
	MSO	100%		1%	v/v			PREFLOOD	
3	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	8737a
	Agri-Dex	100%		1%	v/v			PREFLOOD	
4	Londax	60%		1	oz/a	0.0375	lb ai/a	PREFLOOD	9111a
	MSO	100%		1%	v/v			PREFLOOD	
5	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	8846a
	Agri-Dex	100%		1%	v/v			PREFLOOD	
6	Londax	60%		1.25	oz/a	0.047	lb ai/a	PREFLOOD	8336a
	MSO	100%		1%	v/v			PREFLOOD	
7	Nontreated								4075b
	LSD (P=.05)								1694.8
	Standard Deviation								1140.8
	CV								14.54
	Replicate F								1.997
	Replicate Prob(F)								0.1506
	Treatment F								9.228
	Treatment Prob(F)								0.0001

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Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Experiment number..... : **C13-52**
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 ..... : 3/27/2013
Harvest date..... : 7/29/2013
Crop/Variety ..... : CL111
Emergence date..... : 4/16/2013
Uniform std. treatment ..... : N/A

Application type..... : POSTFLOOD
Date applied [mm/dd/yy] ..... : 06/10/13
Time [hh:mm-hh:mm]..... : 9:00-9:15am
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 78/79
Relative humidity [%] ..... : 91
Wind [mph, direction] ..... : 1-3, SW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : flood/dry
Crop stage/Height ..... : 2-3till/20-24"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/23
Applied by ..... : BMM

Weed Species (population)..... :- (height/#leaves) -
AESIN(15-30m^{-2}) ..... : 15-20"/7-15lf
SEBEX(10-15m^{-2}) ..... : 15-20"/7-15lf
ECLAL(3-5m^{-2})……..: ..... : 7-14"/10-15lf
ALRPH(3-5m^{-2}) ..... : 7-15"/10-20lf
CYPES(5-10m^{-2}) ..... : 10-20"/6-15lf

Flush Dates..... : 4/26/2013, 5/3/2013, 5/10/2013
Permanent Flood ..... : 5/17/2013

*AMFF – Air mix flat fan nozzles

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Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Trial ID:C13-52 Location:RRS-Crowley, LA Trial Year:2013
Protocol ID:C13-52 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	SEBEX	SEBEX
Rating Date									Jun-25-2013	Jul-8-2013	Jul-22-2013	Jun-25-2013	Jul-8-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0b	0c	0c	0b
2	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	70ab	75a	95a	73ab	80a
	NIS	100%		0.25%	v/v			POSTFLOO					
3	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	68ab	78a	84ab	73ab	79a
	COC	100%		1%	v/v			POSTFLOO					
4	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	74a	79a	91a	79a	83a
	MSO	100%		1%	v/v			POSTFLOO					
5	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	71a	80a	95a	71ab	86a
	NIS	100%		0.25%	v/v			POSTFLOO					
6	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	64b	75a	77b	64b	80a
	COC	100%		1%	v/v			POSTFLOO					
7	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	74a	81a	98a	74ab	83a
	MSO	100%		1%	v/v			POSTFLOO					
LSD (P=.05)									5.4	9.1	10.8	8.2	9.2
Standard Deviation									3.6	6.1	7.3	5.5	6.2
CV									6.03	9.16	9.44	8.89	8.87
Replicate F									0.364	0.350	2.490	2.013	0.802
Replicate Prob(F)									0.7800	0.7895	0.0932	0.1482	0.5089
Treatment F									217.636	93.350	91.179	101.053	99.386
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Trial ID:C13-52 Location:RRS-Crowley, LA Trial Year:2013
Protocol ID:C13-52 Investigator:Eric P. Webster

Pest Code								SEBEX	ALRPH	ALRPH	ALRPH	CYPES
Rating Date								Jul-22-2013	Jun-25-2013	Jul-8-2013	Jul-22-2013	Jun-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								42 DAT	15 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0b	0c	0b	0b	0c
2	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	97a	34b	60a	89a	64b
	NIS	100%		0.25%	v/v			POSTFLOO					
3	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	93a	33b	59a	86a	64b
	COC	100%		1%	v/v			POSTFLOO					
4	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	96a	39ab	73a	81a	69a
	MSO	100%		1%	v/v			POSTFLOO					
5	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	97a	44ab	68a	90a	66ab
	NIS	100%		0.25%	v/v			POSTFLOO					
6	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	94a	43ab	65a	86a	66ab
	COC	100%		1%	v/v			POSTFLOO					
7	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	98a	49a	69a	91a	70a
	MSO	100%		1%	v/v			POSTFLOO					
LSD (P=.05)									5.0	8.0	11.6	7.6	3.1
Standard Deviation									3.3	5.4	7.8	5.1	2.1
CV									4.08	15.64	13.98	6.87	3.63
Replicate F									0.492	0.083	1.260	0.877	1.326
Replicate Prob(F)									0.6920	0.9686	0.3178	0.4713	0.2971
Treatment F									467.296	36.269	41.336	166.419	596.721
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Trial ID:C13-52 Location:RRS-Crowley, LA Trial Year:2013
Protocol ID:C13-52 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									CYPES	CYPES	ECLAL	ECLAL	ECLAL
Rating Date									Jul-8-2013	Jul-22-2013	Jun-25-2013	Jul-8-2013	Jul-22-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	42 DAT	15 DAT	28 DAT	42 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0b
2	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	68a	94a	66a	74a	92a
	NIS	100%		0.25%	v/v			POSTFLOO					
3	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	69a	94a	73a	75a	91a
	COC	100%		1%	v/v			POSTFLOO					
4	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	68a	97a	71a	74a	90a
	MSO	100%		1%	v/v			POSTFLOO					
5	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	64a	97a	69a	68a	89a
	NIS	100%		0.25%	v/v			POSTFLOO					
6	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	63a	91a	64a	71a	92a
	COC	100%		1%	v/v			POSTFLOO					
7	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	59a	94a	71a	69a	92a
	MSO	100%		1%	v/v			POSTFLOO					
LSD (P=.05)									7.1	5.3	8.0	6.7	3.9
Standard Deviation									4.8	3.6	5.4	4.5	2.7
CV									8.56	4.45	9.12	7.39	3.41
Replicate F									1.829	2.487	0.522	0.462	2.251
Replicate Prob(F)									0.1780	0.0934	0.6725	0.7126	0.1173
Treatment F									108.211	394.484	94.802	143.712	670.826
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Trial ID:C13-52 Location:RRS-Crowley, LA Trial Year:2013
Protocol ID:C13-52 Investigator:Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								Jun-25-2013	Jul-8-2013	Jul-22-2013	Jul-29-2013	Jul-29-2013
Rating Type								INJURY	INJURY	INJURY	WEIGHT	MOISTURE
Rating Unit								%	%	%	g	%
Trt-Eval Interval								15 DAT	28 DAT	42 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated								0a	0a	0a	0c	19a
2	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	0a	11a	0a	2614a	19a
	NIS	100%		0.25%	v/v			POSTFLOO					
3	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	0a	3a	0a	2345a	19a
	COC	100%		1%	v/v			POSTFLOO					
4	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	0a	5a	0a	2495a	19a
	MSO	100%		1%	v/v			POSTFLOO					
5	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	0a	8a	0a	2090ab	19a
	NIS	100%		0.25%	v/v			POSTFLOO					
6	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	0a	5a	0a	1716b	19a
	COC	100%		1%	v/v			POSTFLOO					
7	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	0a	10a	0a	2208a	19a
	MSO	100%		1%	v/v			POSTFLOO					
LSD (P=.05)									0.0	11.7	0.0	396.0	0.0
Standard Deviation									0.0	7.9	0.0	266.5	0.0
CV									0.0	134.05	0.0	13.85	0.0
Replicate F									0.000	0.243	0.000	0.280	0.000
Replicate Prob(F)									1.0000	0.8650	1.0000	0.8394	1.0000
Treatment F									0.000	1.025	0.000	45.332	0.000
Treatment Prob(F)									1.0000	0.4406	1.0000	0.0001	1.0000

LSU AgCenter SPESS

Permit and Permit Plus with Different Surfactants for Indian Jointvetch Control

Trial ID:C13-52 Location:RRS-Crowley, LA Trial Year:2013
Protocol ID:C13-52 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-29-2013 YIELD LB/A HARVEST 0	RICE Jul-29-2013 YIELD KG/HA HARVEST 0
1	Nontreated								0c	0c
2	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	6598a	7396a
	NIS	100%		0.25%	v/v			POSTFLOO		
3	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	5919a	6634a
	COC	100%		1%	v/v			POSTFLOO		
4	Permit	75%		0.67	oz/a	0.0314	lb ai/a	POSTFLOO	6297a	7058a
	MSO	100%		1%	v/v			POSTFLOO		
5	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	5277ab	5914ab
	NIS	100%		0.25%	v/v			POSTFLOO		
6	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	4333b	4856b
	COC	100%		1%	v/v			POSTFLOO		
7	Permit Plus	75%		0.75	oz/a	0.035	lb ai/a	POSTFLOO	5573a	6247a
	MSO	100%		1%	v/v			POSTFLOO		
LSD (P=.05)									999.7	1120.5
Standard Deviation									672.9	754.2
CV									13.85	13.85
Replicate F									0.280	0.280
Replicate Prob(F)									0.8394	0.8394
Treatment F									45.332	45.332
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Sharpen in Clearfield Rice Weed Control Program

Experiment number .....: **C13-53**
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 .....: 4/23/2013
Harvest date.....: 8/5/2013
Crop/Variety .....: CL111
Emergence date .....: 5/3/2013
Uniform std. treatment.....: N/A

Application type.....: MPOST
Date applied [mm/dd/yy].....: 5/23/2013
Time [hh:mm-hh:mm] .....: 9:00am-9:15am
Incorporation equip./Depth ..: N/A
Air/Soil temperature [F].....: 84/83
Relative humidity [%].....: 87
Wind [mph, direction].....: 3-6, S
Weather [sunny, etc].....: sunny
Soil/Leaf surface moist .....: dry/dry
Crop stage/Height .....: 3-4lf/4-6"
Sprayer type/MPH .....: CO_2BkPk/3
Nozzle type/Size* .....: AMFF/110015
Boom ht/# Noz/Spacing.....: 15/5/15
GPA/PSI.....: 15/23
Applied by .....: JCF

Weed Species (population)..:- (height/#leaves) -
ALRPH(5-7m^{-2}).....: 5-11"/7-15lf
ECHCG(50-100m^{-2}).....: 4-5"/4-5lf
BRAPP(15-45m^{-2})……..: 4-5"/4-5lf
ORYSA(15-30m^{-2}) .....: 4-5"/4-5lf
CYPES(3-5m^{-2}).....: 5-7"/3-9lf

Flush Dates.....: 5/10/2013, 5/17/2013, 5/24/2013
Permanent Flood.....: 6/4/2013

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen in Clearfield Rice Weed Control Programs

Trial ID:C13-53 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-53 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date									Jun-25-2013	May-30-2013	Jun-25-2013	May-30-2013	Jun-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									33 DAT	7 DAT	33 DAT	7 DAT	33 DAT
Number of Decimals									0	0	0	0	0
1	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	41c	14b	49c	14b	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	46c	19b	46c	23b	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	51bc	15b	53c	15b	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
4	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	61abc	70a	83a	69a	25c
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
5	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	73ab	73a	73b	71a	45b
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	76a	73a	81a	71a	54b
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	83a	75a	90a	73a	81a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
8	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	73ab	74a	89a	73a	81a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	85a	75a	91a	74a	83a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
10	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST	86a	76a	89a	71a	75a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									16.4	8.2	7.1	8.6	11.5
Standard Deviation									11.3	5.6	4.9	5.9	7.9
CV									16.73	9.99	6.63	10.76	17.85
Replicate F									2.078	2.877	1.360	5.018	0.196
Replicate Prob(F)									0.1266	0.0545	0.2761	0.0068	0.8983
Treatment F									8.551	99.106	54.389	79.194	81.319
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen in Clearfield Rice Weed Control Programs

Trial ID:C13-53 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-53 Investigator:Eric P. Webster

Pest Code								ALRPH	ALRPH	CYPES	CYPES	RICE
Rating Date								May-30-2013	Jun-25-2013	May-30-2013	Jun-25-2013	May-30-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								7 DAT	33 DAT	7 DAT	33 DAT	7 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	29b	69c	23a	41c	19a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	30b	66c	28a	55bc	19a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	31b	64c	29a	54bc	21a
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
4	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	66a	79b	35a	69ab	20a
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
5	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	70a	79b	33a	63ab	25a
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	73a	79b	34a	69ab	26a
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	71a	89a	34a	61ab	26a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
8	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	73a	84ab	30a	65ab	25a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	60a	85ab	31a	78a	29a
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
10	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST	71a	91a	33a	81a	24a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									12.0	6.0	7.2	13.8	7.0
Standard Deviation									8.2	4.1	5.0	9.5	4.8
CV									14.38	5.25	16.23	15.02	20.74
Replicate F									0.769	5.159	4.717	2.582	0.665
Replicate Prob(F)									0.5216	0.0060	0.0090	0.0741	0.5808
Treatment F									21.813	21.016	2.242	6.040	2.072
Treatment Prob(F)									0.0001	0.0001	0.0508	0.0001	0.0694

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Sharpen in Clearfield Rice Weed Control Programs

Trial ID:C13-53 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-53 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									Jun-25-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013	Aug-5-2013
Rating Type									INJURY	HEIGHT	HEIGHT	AVG HEIGHT	WEIGHT
Rating Unit									%	cm	cm	cm	g
Trt-Eval Interval									33 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0
1	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	0a	83b	83b	83b	928c
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	0a	82b	84b	83b	1498ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	0a	85ab	88ab	86ab	1618ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
4	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	0a	92ab	94a	93a	2197a
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
5	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	0a	94ab	94a	94a	1905ab
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	0a	91ab	90ab	91ab	1844ab
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	0a	92ab	93a	92a	1626ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
8	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	0a	95a	94a	95a	1899ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	0a	94ab	95a	94a	1898ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
10	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST	0a	94ab	92a	93a	1383b
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									0.0	7.4	5.5	6.2	451.4
Standard Deviation									0.0	5.1	3.8	4.3	311.1
CV									0.0	5.66	4.16	4.74	18.52
Replicate F									0.000	2.138	0.854	1.336	0.057
Replicate Prob(F)									1.0000	0.1188	0.4766	0.2832	0.9819
Treatment F									0.000	3.886	5.166	4.613	5.210
Treatment Prob(F)									1.0000	0.0029	0.0004	0.0009	0.0004

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Sharpen in Clearfield Rice Weed Control Programs

Trial ID:C13-53 Location:RRS-Crowley, LA Trial Year:13
Protocol ID:C13-53 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Aug-5-2013 MOISTURE % HARVEST 0	RICE Aug-5-2013 YIELD LB/A HARVEST 0	RICE Aug-5-2013 YIELD KG/HA HARVEST 0
									16	17	18
1	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	22a	2376c	2664c
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	22a	3837ab	4302ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	22a	4145ab	4648ab
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
4	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	22a	5629a	6312a
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
5	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	22a	4880ab	5472ab
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	22a	4724ab	5296ab
	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
7	Sharpen	2.85	LBA/GAL	0.0111	lb ai/a	0.5	fl oz/a	MPOST	22a	4165ab	4670ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
8	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	MPOST	22a	4865ab	5454ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1.0	fl oz/a	MPOST	22a	4862ab	5451ab
	Clearpath	75%		0.45	lb ai/a	0.6	lb/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
10	Newpath	2	LB/GAL	0.078	lb ai/a	5	fl oz/a	MPOST	22a	3543b	3973b
	Aim	2	LBA/GAL	0.0156	lb ai/a	1.0	fl oz/a	MPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST			
LSD (P=.05)									0.0	1156.5	1296.7
Standard Deviation									0.0	797.0	893.7
CV									0.0	18.52	18.52
Replicate F									0.000	0.057	0.057
Replicate Prob(F)									1.0000	0.9819	0.9819
Treatment F									0.000	5.210	5.210
Treatment Prob(F)									1.0000	0.0004	0.0004

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch—EPOST

Experiment number..... : **SJ13-05**
Location ..... : RS-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
Planting date ..... : 5/29/2013
Harvest date..... : N/A
Crop/Variety ..... : CL111
Emergence date..... : 6/3/2013
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 06/06/13
Time [hh:mm-hh:mm]..... : 12:30-12:45pm
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 83/83
Relative humidity [%] ..... : 74
Wind [mph, direction] ..... : 3-5, SE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 1-2lf/1-2"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/23
Applied by ..... : EPW

Weed Species (population)..... :- (height/#leaves) -
CYPES(5-10m^{-2}) ..... : 1-2"/3-6lf
SEBEX(10-30m^{-2}) ..... : 1-3"/cot-3lf
ECHCG(50-75m^{-2})……..:. : 1-3"/1-2lf

Permanent Flood ..... : 07/03/2013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX Jun-19-2013 CONTROL % 13 DAT 0	SEBEX Jul-10-2013 CONTROL % 34 DAT 0	SEBEX Jul-25-2013 CONTROL % 49 DAT 0	AESIN Jun-19-2013 CONTROL % 13 DAT 0	AESIN Jul-10-2013 CONTROL % 34 DAT 0
									1	2	3	4	5
1	Nontreated								0f	0c	0d	0f	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	91a	86a	95a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75abc	87a	78ab	75a-d	95a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	56d	86a	81ab	68bcd	96a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	44e	56b	43c	41e	95a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71bcd	84a	81ab	66bcd	96a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75abc	86a	76ab	70bcd	94a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70bcd	85a	88a	65bcd	96a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33e	76a	53c	43e	89a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83ab	88a	89a	70bcd	94a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	92a	89a	86ab	93a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	92a	80ab	63cd	97a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81ab	86a	68b	79a-d	95a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	89a	91a	79a-d	95a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	83a	85a	85abc	96a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	AESIN	AESIN
Rating Date								Jun-19-2013	Jul-10-2013	Jul-25-2013	Jun-19-2013	Jul-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								13 DAT	34 DAT	49 DAT	13 DAT	34 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63cd	51b	45c	56de	92a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									12.2	10.7	10.1	14.1	6.1
Standard Deviation									8.5	7.5	7.1	9.9	4.3
CV									12.55	9.69	9.98	15.23	4.85
Replicate F									3.379	3.035	2.695	1.404	0.952
Replicate Prob(F)									0.0262	0.0387	0.0571	0.2538	0.4236
Treatment F									33.458	40.269	48.008	20.788	121.748
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN	CYPES	CYPES	CYPES	TRTPO
	Pest Code								AESIN	CYPES	CYPES	CYPES	TRTPO
	Rating Date								Jul-25-2013	Jun-19-2013	Jul-10-2013	Jul-25-2013	Jun-19-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								49 DAT	13 DAT	34 DAT	49 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
									6	7	8	9	10
1	Nontreated								0b	0d	0b	0b	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	44abc	91a	94a	93a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	66a	98a	98a	88a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	61ab	97a	98a	84ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	39bc	96a	94a	61b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	43abc	97a	88a	73ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	38bc	93a	95a	79ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	30c	86a	94a	73ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	30c	95a	96a	76ab
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	48abc	98a	95a	90a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88a	45abc	93a	95a	90a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	59abc	98a	97a	91a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	38bc	93a	89a	91a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	36bc	93a	93a	91a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	39bc	98a	97a	93a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Pest Code								AESIN	CYPES	CYPES	CYPES	TRTPO
Rating Date								Jul-25-2013	Jun-19-2013	Jul-10-2013	Jul-25-2013	Jun-19-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	13 DAT	34 DAT	49 DAT	13 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	59abc	95a	94a	81ab
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									8.7	16.6	8.5	6.9	16.1
Standard Deviation									6.1	11.6	5.9	4.8	11.3
CV									6.9	27.65	6.7	5.44	14.43
Replicate F									0.928	0.790	0.760	3.702	6.224
Replicate Prob(F)									0.4349	0.5057	0.5227	0.0183	0.0013
Treatment F									60.307	7.321	64.481	97.386	16.293
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									TRTPO	TRTPO	RICE	RICE	RICE
Rating Date									Jul-10-2013	Jul-25-2013	Jun-19-2013	Jul-10-2013	Jul-25-2013
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									34 DAT	49 DAT	13 DAT	34 DAT	49 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	0a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a	98a	0a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	98a	0a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ13-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-05 Investigator:Eric P. Webster

Pest Code								TRTPO	TRTPO	RICE	RICE	RICE
Rating Date								Jul-10-2013	Jul-25-2013	Jun-19-2013	Jul-10-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								34 DAT	49 DAT	13 DAT	34 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	0a	0a	0a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									6.4	0.5	0.0	0.0	0.0
Standard Deviation									4.5	0.3	0.0	0.0	0.0
CV									4.96	0.38	0.0	0.0	0.0
Replicate F									0.932	26.948	0.000	0.000	0.000
Replicate Prob(F)									0.4330	0.0001	1.0000	1.0000	1.0000
Treatment F									116.518	19699.523	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch - MPOST

Experiment number..... : **SJ13-06**
Location ..... : RS-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
Planting date ..... : 5/29/2013
Harvest date..... : N/A
Crop/Variety ..... : CL111
Emergence date..... : 6/3/2013
Uniform std. treatment ..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 06/12/13
Time [hh:mm-hh:mm]..... : 8:50-9:15am
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 81/80
Relative humidity [%] ..... : 85
Wind [mph, direction] ..... : 6-9, SW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-4lf/3-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/23
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) -
SEBEX(50-75m^{-2}) ..... : 1-7"/2-8lf
CYPES(5-10m^{-2}) ..... : 3-8"/3-9lf
ECHCG(10-20m^{-2})……..:. : 1-4"/1-3lf

Permanent Flood ..... : 07/03/2013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX Jun-27-2013 CONTROL % 15 DAT 0	SEBEX Jul-10-2013 CONTROL % 28 DAT 0	SEBEX Jul-25-2013 CONTROL % 43 DAT 0	AESIN Jun-27-2013 CONTROL % 15 DAT 0	AESIN Jul-10-2013 CONTROL % 28 DAT 0
									1	2	3	4	5
1	Nontreated								0e	0h	0h	0k	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70b	87ab	80bcd	85ab	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70b	93a	88abc	75bcd	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48cd	89ab	83bcd	86ab	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35d	68d	61e	48ghi	93a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71b	93a	76cd	79bc	96a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64bc	81bc	75d	53fgh	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33d	39f	33g	38i	94a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13e	28g	25g	11j	95a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69b	81bc	81bcd	60efg	94a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	97a	95a	96a	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	55bc	95a	87abc	68cde	97a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	97a	95a	96a	96a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48cd	75cd	71d	58e-h	97a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35d	59e	53f	45hi	95a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								SEBEX	SEBEX	SEBEX	AESIN	AESIN
	Rating Date								Jun-27-2013	Jul-10-2013	Jul-25-2013	Jun-27-2013	Jul-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								15 DAT	28 DAT	43 DAT	15 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68b	95a	91ab	63def	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								13.9	7.7	8.1	10.6	3.3
	Standard Deviation								9.7	5.4	5.7	7.4	2.3
	CV								17.98	7.31	8.31	12.41	2.57
	Replicate F								0.860	3.251	4.247	1.336	0.633
	Replicate Prob(F)								0.4687	0.0303	0.0100	0.2745	0.5977
	Treatment F								29.187	113.575	94.420	55.460	433.359
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN Jul-25-2013 CONTROL % 43 DAT 0	CYPES Jun-27-2013 CONTROL % 15 DAT 0	CYPES Jul-10-2013 CONTROL % 28 DAT 0	CYPES Jul-25-2013 CONTROL % 43 DAT 0	TRTPO Jun-27-2013 CONTROL % 15 DAT 0
									6	7	8	9	10
1	Nontreated								0b	0f	0b	0b	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	23de	96a	98a	95a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	45bc	97a	98a	91a
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	80a	98a	98a	97a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	83a	94a	97a	95a
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	28cde	97a	98a	88a
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	38bcd	97a	98a	94a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	50b	96a	98a	41b
	Facet	75%		0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	50b	94a	98a	88a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	16def	98a	98a	93a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	58b	98a	98a	96a
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	15ef	98a	98a	40b
	League	75%		0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	23de	98a	97a	97a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	28cde	98a	98a	96a
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	20de	97a	97a	93a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								AESIN	CYPES	CYPES	CYPES	TRTPO
	Rating Date								Jul-25-2013	Jun-27-2013	Jul-10-2013	Jul-25-2013	Jun-27-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								43 DAT	15 DAT	28 DAT	43 DAT	15 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	48b	97a	97a	94a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								5.2	14.0	2.5	1.1	8.7
	Standard Deviation								3.6	9.8	1.7	0.7	6.1
	CV								4.04	26.08	1.91	0.81	7.52
	Replicate F								3.412	0.514	4.294	5.201	1.610
	Replicate Prob(F)								0.0253	0.6747	0.0095	0.0036	0.2004
	Treatment F								175.301	22.275	780.071	4302.664	85.943
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	TRTPO Jul-10-2013 CONTROL % 28 DAT 0	TRTPO Jul-25-2013 CONTROL % 43 DAT 0	RICE Jun-27-2013 INJURY % 15 DAT 0	RICE Jul-10-2013 INJURY % 28 DAT 0	RICE Jul-25-2013 INJURY % 43 DAT 0
									11	12	13	14	15
1	Nontreated								0b	0b	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	95a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	94a	0a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95a	0a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	95a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96a	0a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	97a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	96a	0a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	96a	0a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	93a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	96a	0a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ13-06 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-06 Investigator:Eric P. Webster

Pest Code								TRTPO	TRTPO	RICE	RICE	RICE
Rating Date								Jul-10-2013	Jul-25-2013	Jun-27-2013	Jul-10-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								28 DAT	43 DAT	15 DAT	28 DAT	43 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	96a	0a	0a	0a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									4.3	5.8	0.0	0.0	0.0
Standard Deviation									3.0	4.1	0.0	0.0	0.0
CV									3.37	4.52	0.0	0.0	0.0
Replicate F									0.995	1.148	0.000	0.000	0.000
Replicate Prob(F)									0.4038	0.3401	1.0000	1.0000	1.0000
Treatment F									251.570	139.703	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch - LPOST

Experiment number .....: **SJ13-07**
Location.....: RS-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
Planting date .....: 05/29/2013
Harvest date.....: N/A
Crop/Variety .....: CL111
Emergence date .....: 06/03/2013
Uniform std. treatment.....: N/A

Application type.....: LPOST
Date applied [mm/dd/yy].....: 06/19/13
Time [hh:mm-hh:mm] .....: 8:45-9:00am
Incorporation equip./Depth ..: N/A
Air/Soil temperature [F].....: 76/75
Relative humidity [%].....: 91
Wind [mph, direction].....: 1-2/SW
Weather [sunny, etc].....: cloudy
Soil/Leaf surface moist .....: wet/wet
Crop stage/Height .....: 4-5lf/5-7"
Sprayer type/MPH .....: CO_2BkPk/3
Nozzle type/Size* .....: AMFF/110015
Boom ht/# Noz/Spacing.....: 15/5/15
GPA/PSI.....: 15/23
Applied by .....: BMM

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

SEBEX(25-50m^{-2}).....: 6-8"/7-12lf
CYPES(15-20m^{-2}).....: 5-8"/6-15lf
ECHCG(45-60m^{-2}).....: 2-6"/2-5lf

Permanent Flood.....: 07/03/2013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES Jul-2-2013 CONTROL % 13 DAT 0	CYPES Jul-10-2013 CONTROL % 21 DAT 0	CYPES Jul-25-2013 CONTROL % 36 DAT 0	CYPES Aug-6-2013 CONTROL % 58 DAT 0	SEBEX Jul-2-2013 CONTROL % 13 DAT 0
									1	2	3	4	5
1	Nontreated								0e	0c	0c	0e	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75ab	97a	96a	84abc	92a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83a	98a	98a	95a	91a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68abc	98a	97a	92ab	89a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88a	94a	95a	89abc	80b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	97a	82a	68cd	88a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69abc	98a	90a	59d	92a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	45d	91a	94a	91ab	89a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	55cd	98a	92a	92ab	63c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	41d	94a	82a	85abc	92a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	94a	89a	89abc	92a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74abc	96a	96a	83abc	86ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58bcd	98a	85a	84abc	92a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	49d	44b	40b	54d	91a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69abc	98a	94a	91ab	91a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Pest Code								CYPES	CYPES	CYPES	CYPES	SEBEX
Rating Date								Jul-2-2013	Jul-10-2013	Jul-25-2013	Aug-6-2013	Jul-2-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								13 DAT	21 DAT	36 DAT	58 DAT	13 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76ab	98a	95a	70bcd	91a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									12.8	5.5	9.9	14.3	6.1
Standard Deviation									8.9	3.8	6.9	10.0	4.3
CV									14.16	4.4	8.37	13.08	5.23
Replicate F									0.235	0.963	0.767	0.555	2.613
Replicate Prob(F)									0.8717	0.4186	0.5185	0.6475	0.0628
Treatment F									24.146	195.030	56.668	22.862	115.564
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	AESIN	AESIN
Rating Date								Jul-10-2013	Jul-25-2013	Aug-6-2013	Jul-2-2013	Jul-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								21 DAT	36 DAT	58 DAT	13 DAT	21 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0d	0d	0c	0c	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	93ab	94a	95a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	96a	95a	98a
	Halomax	75%AW/W		0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	96a	98a	94a	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88b	79b	83a	94a	97a
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	92ab	93a	94a	98a
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	97a	93a	95a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	96a	97a	95a	98a
	Facet	75%		0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79c	64c	70b	90b	98a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	94ab	91a	95a	97a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	94ab	97a	95a	98a
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	93ab	93a	93a	97a
	League	75%		0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95a	95a	97a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	97a	95a	98a
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	88ab	91a	95a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								SEBEX	SEBEX	SEBEX	AESIN	AESIN
	Rating Date								Jul-10-2013	Jul-25-2013	Aug-6-2013	Jul-2-2013	Jul-10-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								21 DAT	36 DAT	58 DAT	13 DAT	21 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	91a	95a	97a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								5.0	10.6	11.6	1.9	1.0
	Standard Deviation								3.5	7.4	8.2	1.3	0.7
	CV								3.99	8.63	9.46	1.51	0.79
	Replicate F								2.613	1.419	0.189	0.220	6.497
	Replicate Prob(F)								0.0628	0.2497	0.9033	0.8823	0.0010
	Treatment F								186.124	43.961	34.655	1252.083	4585.476
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	TRTPO	RICE	RICE
Rating Date								Jul-25-2013	Aug-6-2013	Jul-10-2013	Jul-10-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								36 DAT	58 DAT	21 DAT	21 DAT	36 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated								0b	0b	0b	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	95a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	96a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	97a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	94a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	97a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	97a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	93a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	97a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Pest Code								AESIN	AESIN	TRTPO	RICE	RICE
Rating Date								Jul-25-2013	Aug-6-2013	Jul-10-2013	Jul-10-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								36 DAT	58 DAT	21 DAT	21 DAT	36 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	0a	0a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									0.8	1.0	3.6	0.0	0.0
Standard Deviation									0.6	0.7	2.5	0.0	0.0
CV									0.65	0.78	2.76	0.0	0.0
Replicate F									3.498	6.311	0.469	0.000	0.000
Replicate Prob(F)									0.0230	0.0011	0.7055	1.0000	1.0000
Treatment F									6792.084	4647.148	374.381	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16
	Pest Code								RICE
	Rating Date								Aug-6-2013
	Rating Type								INJURY
	Rating Unit								%
	Trt-Eval Interval								58 DAT
	Number of Decimals								0
1	Nontreated								0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST	
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST	
	COC	100	%	1	% v/v	1	% v/v	LPOST	
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST	
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST	
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST	
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST	
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST	
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST	
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST	
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST	
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST	
	COC	100	%	1	% v/v	1	% v/v	LPOST	

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ13-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-07 Investigator:Eric P. Webster

Pest Code								RICE
Rating Date								Aug-6-2013
Rating Type								INJURY
Rating Unit								%
Trt-Eval Interval								58 DAT
Number of Decimals								0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a
	Strada Pro					2.08	oz/a	LPOST	
	COC	100%		1%	v/v	1%	v/v	LPOST	
LSD (P=.05)									0.0
Standard Deviation									0.0
CV									0.0
Replicate F									0.000
Replicate Prob(F)									1.0000
Treatment F									0.000
Treatment Prob(F)									1.0000

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch - SALVAGE

Experiment number .....: **SJ13-08**
Location.....: RS-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
Planting date .....: 05/29/2013
Harvest date.....: N/A
Crop/Variety .....: CL111
Emergence date .....: 06/03/2013
Uniform std. treatment.....: N/A

Application type.....: SALVAGE
Date applied [mm/dd/yy].....: 07/02/13
Time [hh:mm-hh:mm] .....: 11:00-11:30am
Incorporation equip./Depth ..: N/A
Air/Soil temperature [F].....: 88/85
Relative humidity [%].....: 55
Wind [mph, direction].....: 5, ENE
Weather [sunny, etc].....: sunny
Soil/Leaf surface moist .....: dry/dry
Crop stage/Height .....: 6lf-till/20-24"
Sprayer type/MPH .....: CO_2BkPk/3
Nozzle type/Size* .....: AMFF/110015
Boom ht/# Noz/Spacing.....: 15/5/15
GPA/PSI.....: 15/23
Applied by .....: BMM

Weed Species (population)..:- (height/#leaves) -
SEBEX(10-25m^{-2}).....: 6-15"/7-12lf
CYPES(5-7m^{-2}).....: 5-12"/3-12lf
AESIN(3-5m^{-2})……..:...: 4-7"/4-7lf
TRTPO(5-7m^{-2}).....: 5-10"/9-12lf

Permanent Flood.....: 07/03/2013

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ13-08 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX Jul-25-2013 CONTROL % 23 DAT 0	SEBEX Aug-6-2013 CONTROL % 35 DAT 0	AESIN Jul-25-2013 CONTROL % 23 DAT 0	AESIN Aug-6-2013 CONTROL % 35 DAT 0	CYPES Jul-25-2013 CONTROL % 23 DAT 0
									1	2	3	4	5
1	Nontreated								0e	0g	0b	0b	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89abc	84bc	98a	97a	89a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	98a	98a	97a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	94abc	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	56d	25f	98a	98a	96a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80c	85bc	97a	97a	97a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	56d	35e	98a	96a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86abc	69d	96a	97a	65b
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	88abc	98a	97a	94a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80c	84c	98a	97a	87a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	94abc	98a	97a	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81bc	95ab	97a	97a	93a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	96a	56c
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	94abc	98a	98a	30d
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	97a	93a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ13-08 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-08 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	AESIN	AESIN	CYPES
Rating Date								Jul-25-2013	Aug-6-2013	Jul-25-2013	Aug-6-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								23 DAT	35 DAT	23 DAT	35 DAT	23 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	96a	98a	97a	98a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1% v/v		1% v/v		SALVAGE					
LSD (P=.05)									8.3	6.7	1.6	1.0	8.1
Standard Deviation									5.8	4.7	1.1	0.7	5.7
CV									7.28	6.11	1.21	0.78	7.05
Replicate F									1.174	0.968	1.173	16.059	0.683
Replicate Prob(F)									0.3302	0.4161	0.3306	0.0001	0.5671
Treatment F									72.749	162.228	1945.303	4685.529	102.845
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ13-08 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-08 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES Aug-6-2013 CONTROL % 35 DAT 0	RICE Jul-25-2013 INJURY % 23 DAT 0	RICE Aug-6-2013 INJURY % 35 DAT 0
									6	7	8
1	Nontreated								0f	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE			
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a-d	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a-d	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a-d	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a-d	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90a-d	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58e	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83bcd	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95abc	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE			
	COC	100	%	1	% v/v	1	% v/v	SALVAGE			
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a-d	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE			
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82cd	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE			
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	54e	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE			
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	55e	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80d	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE			
	COC	100	%	1	% v/v	1	% v/v	SALVAGE			

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ13-08 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-08 Investigator:Eric P. Webster

Pest Code								CYPES	RICE	RICE
Rating Date								Aug-6-2013	Jul-25-2013	Aug-6-2013
Rating Type								CONTROL	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								35 DAT	23 DAT	35 DAT
Number of Decimals								0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	0a	0a
	Strada Pro					2.08	oz/a	SALVAGE			
	COC	100%		1%	v/v	1%	v/v	SALVAGE			
LSD (P=.05)									9.1	0.0	0.0
Standard Deviation									6.4	0.0	0.0
CV									8.17	0.0	0.0
Replicate F									2.857	0.000	0.000
Replicate Prob(F)									0.0475	1.0000	1.0000
Treatment F									64.001	0.000	0.000
Treatment Prob(F)									0.0001	1.0000	1.0000

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League Program for Clearfield Rice

Experiment number	**SJ13-10**		
Location	RS-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		
Planting date	5/29/2013		
Harvest date	N/A		
Crop/Variety	CL111		
Emergence date	6/3/2013		
Uniform std. treatment	N/A		
Application type	PRE	EPOST	LPPOST
Date applied [mm/dd/yy]	5/31/2013	6/10/2013	6/24/2013
Time [hh:mm-hh:mm]	9:00am-9:15am	9:00-9:15am	10:00-10:15am
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	76/75	84/80	90/87
Relative humidity [%]	81	82	85
Wind [mph, direction]	5-8, SE	1-5,S	3-7,E
Weather [sunny, etc]	Sunny	Sunny	Sunny
Soil/Leaf surface moist	Dry/ Dry	Moist/Dry	Dry/Dry
Crop stage/Height	N/A	1-3lf/3-6"	4-6lf/4-7"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/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	15/23	15/23	15/22
Applied by	JCF	JCF	JCF
Weed Species (population)..	----------	(height/#leaves)	----------
SEBEX(50-75m^{-2})		4-6LF/2-5LF	6-10"/5-9"
CYPES(10-15m^{-2})		1-3"/1-3LF	4-7"/3-9LF
TRTPO(5-7m^{-2})		4-5"/2-6LF	5-8"/4-10LF
Permanent Flood	7/3/2013		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX	ECHCG	ECHCG
Rating Date								Jul-10-2013	Jul-25-2013	Aug-8-2013	Jul-10-2013	Jul-25-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	31 DAT	45 DAT	16 DAT	31 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated								0e	0d	0d	0c	0e
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	53c	20c	30c	64ab	43bc
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	95a	94a	94a	69a	43bc
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	70b	66b	97a	71a	54ab
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	88a	98a	97a	71a	33cd
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	35d	15c	0d	68a	59a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	93a	99a	97a	63ab	20d
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	69b	73b	98a	70a	40bc
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					

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League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								SEBEX	SEBEX	SEBEX	ECHCG	ECHCG
	Rating Date								Jul-10-2013	Jul-25-2013	Aug-8-2013	Jul-10-2013	Jul-25-2013
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	31 DAT	45 DAT	16 DAT	31 DAT
	Number of Decimals								0	0	0	0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	68b	20c	61b	55b	23d
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								9.9	8.7	6.9	8.7	11.6
	Standard Deviation								6.8	6.0	4.7	5.9	8.0
	CV								10.7	11.12	7.39	10.09	22.91
	Replicate F								0.208	2.290	1.043	0.262	2.474
	Replicate Prob(F)								0.8900	0.1040	0.3915	0.8518	0.0859
	Treatment F								81.511	178.154	330.519	58.357	21.066
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG Aug-8-2013	CYPES Jul-10-2013	CYPES Jul-25-2013	CYPES Aug-8-2013	TRTPO Jul-10-2013
Pest Code													
Rating Date									Aug-8-2013	Jul-10-2013	Jul-25-2013	Aug-8-2013	Jul-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									45 DAT	16 DAT	31 DAT	45 DAT	16 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
1	Nontreated								0c	0b	0c	0d	0c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	54a	86a	89b	68c	89a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	64a	89a	95a	90a	91a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	58a	88a	95a	80ab	89a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE					
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	46a	89a	96a	74bc	89a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	64a	86a	94ab	80ab	84a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	31b	86a	94ab	76bc	84a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	46a	88a	94ab	85ab	88a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					

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League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Pest Code								ECHCG	CYPES	CYPES	CYPES	TRTPO
Rating Date								Aug-8-2013	Jul-10-2013	Jul-25-2013	Aug-8-2013	Jul-10-2013
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								45 DAT	16 DAT	31 DAT	45 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	26b	80a	91ab	74bc	68b
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	LPOST					
LSD (P=.05)									11.8	7.5	3.7	7.9	7.9
Standard Deviation									8.1	5.2	2.5	5.4	5.4
CV									18.7	6.73	3.06	7.8	7.14
Replicate F									1.998	0.494	1.133	5.367	0.575
Replicate Prob(F)									0.1411	0.6899	0.3557	0.0057	0.6369
Treatment F									26.643	125.271	604.837	98.399	117.101
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE Jul-10-2013 INJURY % 16 DAT 0	RICE Jul-25-2013 INJURY % 31 DAT 0	RICE Aug-8-2013 INJURY % 45 DAT 0
1	Nontreated								0a	0a	0a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	League	75	%AW/W	0.3	lb ai/a	6.4	oz/a	PRE			
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE			
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	PRE			
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	League	75	%AW/W	0.15	lb ai/a	3.2	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	League	75	%AW/W	0.188	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST			

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League Program for Clearfield Rice

Trial ID:SJ13-10 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ13-10 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13
	Pest Code								RICE	RICE	RICE
	Rating Date								Jul-10-2013	Jul-25-2013	Aug-8-2013
	Rating Type								INJURY	INJURY	INJURY
	Rating Unit								%	%	%
	Trt-Eval Interval								16 DAT	31 DAT	45 DAT
	Number of Decimals								0	0	0
9	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	oz/a	EPOST			
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	oz/a	LPOST			
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST			
	LSD (P=.05)								0.0	0.0	0.0
	Standard Deviation								0.0	0.0	0.0
	CV								0.0	0.0	0.0
	Replicate F								0.000	0.000	0.000
	Replicate Prob(F)								1.0000	1.0000	1.0000
	Treatment F								0.000	0.000	0.000
	Treatment Prob(F)								1.0000	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Obey with Command Split Shot in Conventional Rice

Experiment number	**W13-03**	
Location	RRS-Winnsboro, LA	
Experimental design	RCB	
Number of reps	4	
Plot size	5'x17'	
Row width/# per plot	7.5"/8	
Soil type	Gigger silt loam (14% sand, 70% silt, 16% clay)	
% OM	1.3	
pH	5.8	
CEC	5.8	
Planting date	06/05/2013	
Harvest date	N/A	
Crop/Variety	CL111	
Emergence date	06/12/2013	
Uniform std. treatment	N/A	
Application type	1-2 LEAF	4-5 LEAF
Date applied [mm/dd/yy]	06/05/13	06/19/13
Time [hh:mm-hh:mm]	10:30-11:00am	2:00-2:15pm
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	83/81	86/83
Relative humidity [%]	62	55
Wind [mph, direction]	2-3, SE	1-4, W
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/dry	wet/dry
Crop stage/Height	1-2lf/1-2"	3-5lf/3-6"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/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	EPW	JCF
Weed Species (population).	---------- (height/#leaves) ----------	
BRAPP(50-75m^{-2})	0.5-2"/1-2lf	
ECHCG(50-100m^{-2})	0.5-2"/1-2lf	1-5"/1-5lf
CYPES(3-5m^{-2})	1-3"/3-6lf	4-7"/3-6lf
ALRPH(5-7m^{-2})	2-10"/10-50lf	10-25"/15-30lf
CYPIR(150-200m^{-2})		1-2"/1-3lf
SEBEX(5-10m^{-2})		2-4"/3-7lf
Permanent Flood	07/03/2013	

*AMFF – Air mix flat fan nozzles

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Obey with Command Split Shot in Conventional Rice

Trial ID:W13-03 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W13-03 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									CYPIR	CYPIR	ECHCG	ECHCG	ALRPH	ALRPH
Rating Date									Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									21 DAT	36 DAT	21 DAT	36 DAT	21 DAT	36 DAT
Number of Decimals									0	0	0	0	0	0
1	Command	3	LBA/GAL	0.2	lb ai/a	8.5	oz/a	PRE	36cd	21c	93a	87b	23c	35b
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	1-2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LF						
2	Command	3	LBA/GAL	0.2	lb ai/a	8.5	oz/a	PRE	24de	30c	92a	92ab	54a	83a
	Obey	2.5	LB/GAL	0.75	lb ai/a	38.4	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
3	Command	3	LBA/GAL	0.2	lb ai/a	8.5	oz/a	PRE	58b	65b	85a	94ab	23c	83a
	Obey	2.5	LB/GAL	1.0	lb ai/a	51	oz/a	1-2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LF						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	19e	25c	89a	98a	68a	91a
	Obey	2.5	LB/GAL	1.0	lb ai/a	51	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	80a	84a	97a	98a	40b	34b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	4-5 LF						
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	4-5 LF						
	NIS	100%		0.25%	v/v	0.25%	v/v	4-5 LF						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	43c	31c	91a	97a	65a	24b
	Obey	2.5	LB/GAL	0.6	lb ai/a	30.7	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
7	Command	3	LBA/GAL	0.2	lb ai/a	8.5	oz/a	PRE	19e	20c	93a	86b	36bc	5c
	Obey	2.5	LB/GAL	0.6	lb ai/a	30.7	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
8	Nontreated								0f	0d	0b	0c	0d	0c
LSD (P=.05)									12.7	16.8	8.3	6.2	11.7	16.3
Standard Deviation									8.6	11.4	5.6	4.2	8.0	11.1
CV									24.89	33.09	7.06	5.21	20.68	25.06
Replicate F									1.830	1.315	2.337	1.539	3.390	1.703
Replicate Prob(F)									0.1726	0.2961	0.1028	0.2339	0.0370	0.1970
Treatment F									34.246	22.118	132.433	245.484	34.104	43.041
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Obey with Command Split Shot in Conventional Rice

Trial ID:W13-03 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W13-03 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
Pest Code									ECLAL	CYPES	SEBEX	SEBEX	RICE	RICE
Rating Date									Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									21 DAT	36 DAT	21 DAT	36 DAT	21 DAT	36 DAT
Number of Decimals									0	0	0	0	0	0
1	Command	3LB	A/GAL	0.2	lb ai/a	8.5	oz/a	PRE	26c	46b	55c	97a	0a	0a
	Obey	2.5LB	/GAL	0.75	lb ai/a	38.4	oz/a	1-2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LF						
2	Command	3LB	A/GAL	0.2	lb ai/a	8.5	oz/a	PRE	78a	40b	98a	98a	0a	0a
	Obey	2.5LB	/GAL	0.75	lb ai/a	38.4	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
3	Command	3LB	A/GAL	0.2	lb ai/a	8.5	oz/a	PRE	41bc	81a	69b	96a	0a	0a
	Obey	2.5LB	/GAL	1.0	lb ai/a	51	oz/a	1-2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LF						
4	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	73a	51b	95a	98a	0a	0a
	Obey	2.5LB	/GAL	1.0	lb ai/a	51	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
5	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	50b	86a	97a	98a	0a	0a
	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	4-5 LF						
	RiceBeaux	3LB	/GAL	2.25	lb ai/a	3	qt/a	4-5 LF						
	NIS	100%		0.25%	v/v	0.25%	v/v	4-5 LF						
6	Command	3LB	A/GAL	0.3	lb ai/a	12.8	oz/a	PRE	74a	51b	96a	97a	0a	0a
	Obey	2.5LB	/GAL	0.6	lb ai/a	30.7	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
7	Command	3LB	A/GAL	0.2	lb ai/a	8.5	oz/a	PRE	33bc	49b	95a	98a	0a	0a
	Obey	2.5LB	/GAL	0.6	lb ai/a	30.7	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
8	Nontreated								0d	0c	0d	0b	0a	0a
LSD (P=.05)									15.8	8.6	12.9	2.3	0.0	0.0
Standard Deviation									10.7	5.8	8.8	1.5	0.0	0.0
CV									22.96	11.52	11.64	1.8	0.0	0.0
Replicate F									1.202	2.011	1.168	1.081	0.000	0.000
Replicate Prob(F)									0.3335	0.1432	0.3456	0.3785	1.0000	1.0000
Treatment F									25.760	81.906	61.250	2023.963	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Aim Tank Mixed with Obey Timings Study

Experiment number	:	**W13-04**
Location	:	RRS-Winnsboro, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Gigger silt loam (14% sand, 70% silt, 16% clay)
% OM	:	1.3
pH	:	5.8
CEC	:	5.8
Planting date	:	06/05/2013
Harvest date	:	N/A
Crop/Variety	:	CL111
Emergence date	:	06/12/2013
Uniform std. treatment	:	N/A

Application type	:	1-2 LEAF	4-5 LEAF
Date applied [mm/dd/yy]	:	06/05/13	06/19/13
Time [hh:mm-hh:mm]	:	10:30-11:00am	2:00-2:15pm
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	83/81	86/83
Relative humidity [%]	:	62	55
Wind [mph, direction]	:	2-3, SE	1-4, W
Weather [sunny, etc]	:	sunny	sunny
Soil/Leaf surface moist	:	dry/dry	wet/dry
Crop stage/Height	:	1-2lf/1-2"	3-5lf/3-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/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	:	EPW	JCF

Weed Species (population)	:---------- (height/#leaves) ----------	
CYPIR(150-200m^{-2})	:	1-2"/1-3lf
CYPES(3-5m^{-2})	:	4-7"/3-6lf
ECHCG(50-75m^{-2})	:	1-5"/1-5lf
ALRPH(10-30m^{-2})	:	10-25"/15-30lf
SEBEX(5-10m^{-2})	:	2-4"/3-7lf

Permanent Flood	:	07/03/2013

*AMFF – Air mix flat fan nozzles

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Aim Tank Mixed with Obey Timings Study

Trial ID:W13-04 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									ECHCG	ECHCG	CYPIR	CYPIR	ALRPH	ALRPH
Rating Date									Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									21 DAT	36 DAT	21 DAT	36 DAT	21 DAT	36 DAT
Number of Decimals									0	0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	40c	94a	51b	38c	60b	65a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF						
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	1--2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	76a	98a	53b	18d	15d	36b
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF						
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	1--2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	49bc	98a	51b	1e	71a	88a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	60ab	98a	44bc	50b	83a	85a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF						
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	68a	96a	36cd	68a	79a	81a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF						
	Aim	2	LBA/GAL	1.0	lb ai/a	64	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	71a	97a	29d	14de	81a	76a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	74a	95a	78a	60ab	40c	41b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	4-5 LF						
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	4-5 LF						
	NIS	100%		0.25%	v/v	0.25%	v/v	4-5 LF						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0d	0b	0e	0e	0e	0c
LSD (P=.05)									13.7	4.6	10.9	12.0	10.9	22.0
Standard Deviation									9.3	3.2	7.4	8.2	7.4	15.0
CV									17.03	3.74	17.33	26.36	13.87	25.32
Replicate F									0.108	4.441	1.196	1.081	1.032	2.240
Replicate Prob(F)									0.9544	0.0144	0.3355	0.3788	0.3985	0.1134
Treatment F									29.882	467.491	36.741	42.114	73.776	16.940
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Aim Tank Mixed with Obey Timings Study

Trial ID:W13-04 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	SEBEX	ECLAL	CYPES	RICE
Pest Code									SEBEX	SEBEX	ECLAL	CYPES	RICE
Rating Date									Jul-10-2013	Jul-25-2013	Jul-10-2013	Jul-25-2013	Jul-10-2013
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									21 DAT	36 DAT	21 DAT	36 DAT	21 DAT
Number of Decimals									0	0	0	0	0
									7	8	9	10	11
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	96a	98a	35b	69b	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	1--2 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	18b	39c	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF					
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	1--2 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	97a	98a	28b	64b	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	25b	88a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF					
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	4-5 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	97a	74a	83a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF					
	Aim	2	LBA/GAL	1.0	lb ai/a	64	oz/a	4-5 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	98a	73a	18d	1a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	98a	90b	19b	44c	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	4-5 LF					
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	4-5 LF					
	NIS	100%		0.25%	v/v	0.25%	v/v	4-5 LF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0b	0c	0c	0e	0a
LSD (P=.05)									2.1	4.7	13.5	10.0	1.3
Standard Deviation									1.4	3.2	9.2	6.8	0.9
CV									1.68	3.81	27.29	13.46	565.69
Replicate F									2.071	0.959	2.088	0.198	1.000
Replicate Prob(F)									0.1347	0.4305	0.1324	0.8969	0.4123
Treatment F									2302.132	451.821	32.653	84.017	1.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.4586

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Aim Tank Mixed with Obey Timings Study

Trial ID:W13-04 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W13-04 Investigator:Eric P. Webster

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	12
	Pest Code								RICE
	Rating Date								Jul-25-2013
	Rating Type								INJURY
	Rating Unit								%
	Trt-Eval Interval								36 DAT
	Number of Decimals								0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF	
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	1--2 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF	
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF	
	Aim	2	LBA/GAL	0.015	lb ai/a	0.96	oz/a	1--2 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF	
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	1--2 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	1--2 LF	
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF	
	Aim	2	LBA/GAL	0.011	lb ai/a	0.704	oz/a	4-5 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF	
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF	
	Aim	2	LBA/GAL	1.0	lb ai/a	64	oz/a	4-5 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF	
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	oz/a	4-5 LF	
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LF	
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	4-5 LF	
	RiceBeaux	3	LB/GAL	2.25	lb ai/a	3	qt/a	4-5 LF	
	NIS	100%		0.25%	v/v	0.25%	v/v	4-5 LF	
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	oz/a	PRE	0a
	LSD (P=.05)								0.0
	Standard Deviation								0.0
	CV								0.0
	Replicate F								0.000
	Replicate Prob(F)								1.0000
	Treatment F								0.000
	Treatment Prob(F)								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_2BKPK	**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**
lf	**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	*Aeschynomene indica*
ALOCA	Carolina foxtail	*Aloercurus carolinianus*
ALRPH	alligatorweed	*Alternanthera philoxeroides*
BRAPP	broadleaf signalgrass	*Urochloa platyphylla*
BROOK[a]	Brook paspalum	*Paspalum acuminatum*
CARPA	smallflowered bittercress	*Cardamine parviflora*
CNPPA	Texasweed	*Caperonia palustris*
COMDI	spreading dayflower	*Commelina diffusa*
CYPIR	rice flatsedge	*Cyperus iria*
CYPES	yellow nutsedge	*Cyperus esculentus*
ECHCG	barnyardgrass	*Echinocloa crus-galli*
ECHPO[a]	creeping rivergrass	*Echinochloa polystachya*
ECLAL	eclipta	*Eclipta prostrata*
HETLI	ducksalad	*Heteranthera limosa*
LEFPA	Amazon sprangletop	*Leptochloa panicoides*
MEOCO	redweed	*Melochia corchorifolia*
ORYSA	red rice	*Oryza sativa*
PASDS	knotgrass	*Paspalum distichum*
PASFL	water paspalum	*Paspalum hydrophilum*
POANA	annual bluegrass	*Poa annua*
POLPE	ladysthumb	*Polygonum aviculare*
RANAR	corn buttercup	*Ranunculus arvensis*
RANSA	hairy buttercup	*Ranunculus sadous*
ROTRA	toothcup	*Rotala ramosior*
RUMCR	Curly dock	*Rumex crispus*
SEBEX	hemp sesbania	*Sesbania herbacea*
SIBVI	Virginia winged rockcress	*Sibara virginica*
SONOL	annual sowthistle	*Sonchus oleraceus*

[a]No WSSA approved BAYER code at this time.

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-1*H*-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 AgroSciences	cyhalofop-butyl	2-[4-(4-cyano-2-fluorphenoxy)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 AgroSciences	triclopyr	3,5,6-trichloro-2-pyridinyloxyacetic acid
Grasp	2 SC	Dow AgroSciences	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*H*-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid
Permit	75 DF	Gowan	halosulfuron	methyl 5-{[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl}-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate
Permit Plus	75 DF	Gowan	halosulfuron + thifensulfuron	methyl 5-{[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl}-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate + Methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]-sulfonyl]-2-thiophenecarboxylate
Prowl	3.3 EC	BASF	pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
Prowl H_20	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] diethylcarbamothioate
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-H-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	methylated soybean oil	Methylated 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	78	55	0.4	78	66	0	88	76	0	92	67	0			
2	77	56	0	85	65	0.56	90	75	0	87	67	0			
3	78	53	3.21	74	49	0.04	83	72	0.01	89	69	0			
4	58	47	0	61	45	0	88	71	0	90	69	0			
5	53	45	0	71	49	0	92	75	0	91	72	0			
6	67	46	0	65	47	0	92	76	0	90	70	0.09			
7	69	54	0	75	55	0	89	68	1.32	88	73	0.01			
8	75	61	0	82	59	0	84	70	0	87	72	0	96	76	0
9	77	64	0	80	64	0	87	69	0.19	91	73	0			
10	80	71	0	77	65	2.06	88	72	0.02	93	72	0			
11	79	51	0.11	76	64	2.22	88	76	0	93	76	0			
12	63	47	0.67	79	62	0	91	75	0	93	73	0.07			
13	74	52	0.01	78	56	0	91	75	0	95	70	0			
14	79	57	4.15	79	58	0	92	77	0	91	70	0			
15	75	61	0.01	81	63	0	94	74	0.82	90	73	0			
16	82	66	0.01	79	67	0	92	76	0	85	73	0.16			
17	80	73	0	80	70	0	90	75	0						
18	82	74	0	84	74	0	88	76	0.15						
19	81	47	0.11	87	74	0	90	73	0.02						
20	61	43	0	87	76	0	88	75	0.04						
21	69	48	0	87	75	0	89	74	0.07				85	71	0.29
22	73	52	0	88	69	0.11	93	72	0				91	73	0
23	78	57	0	82	72	0.05	93	73	0				91	74	0
24	81	65	1.93	89	68	0	91	75	0				93	73	0
25	65	52	0.13	89	72	0.12	89	74	0.07				87	73	0
26	72	53	0	87	73	0	91	74	0						
27	78	61	0	86	71	0	93	74	0						
28	80	68	0	88	71	0	94	78	0						
29	75	61	0.01	87	70	0	94	78	0.13						
30	81	64	0.02	87	73	0	96	73	0						
31				88	75	0									