Weed Science

Annual Research Report

2009

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School of Plant, Environmental and Soil Sciences

Weed Science

Annual Research Report

2009

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Research Summary

2009-306-3899

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Introduction

This report summarizes the 2009 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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Riceco
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Syngenta
Valent USA Corporation

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Strada + Siapton Programs in Clearfield Rice

Experiment number	**C09-01**
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	4/16/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	1 LF	MPOST
Date applied [mm/dd/yy]	4/17/09	5/6/09	5/13/09
Time [hh:mm-hh:mm]	9:40-9:45 A	8:20-8:50 A	9:45-10:15 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	70/63	79/78	81/80
Relative humidity [%]	77%	84%	75%
Wind [mph, direction]	7-9 E	7-10 S	3-5 S
Weather [sunny, etc]	sunny	cloudy	pt cloudy
Soil/Leaf surface moist	dry/ N/A	wet/dry	dry/dry
Crop stage/Height	PRE/N/A	1-3 Lf/2-4"	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	15/22	15/22	15/22
Applied by	EPW	EPW	TPC

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA (50-75 m^{-2})	1-5"/ 1-3 lf	4-6"/3-4 lf
ECHCG (150-200 m^{-2})	1-4"/ 1-5 lf	4-6"/5lf-1 til
CYPIR (25-30 m^{-2})	0.5-3"/ 1-6 lf	1-3"/3-6 lf
ALRPH (2-3 m^{-2})	2-10"/ 5-30 lf	3-15"/8-30 lf
SEBEX (2-5 m^{-2})	2-4"/ 2-4 lf	4-6"/3-6 lf
AESIN (3-5 m^{-2})	2-3"/2-3 lf	3-5"/3-6 lf
COMDI (3-4 m^{-2})	2-4"/ 1-4 lf	4-6"/2-5 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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School of Plant, Environmental, and Soil Sciences

Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ORYSA	ORYSA	ORYSA
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	65ab	50c
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	75ab	50c
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	48c	73ab	50c
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	53c	75ab	50c
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	65ab	50c
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	80b	63ab	73b
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf			
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	81b	83a	65bc
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	83b	83a	73b
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								ORYSA	ORYSA	ORYSA
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	55c	68ab	50c
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	94a	91a	95a
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf			
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	50b	50c
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	79b	80a	58bc
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Nontreated						0d	0c	0d
LSD (P=.05)								7.3	17.9	12.8
Standard Deviation								5.1	12.5	8.9
CV								8.58	18.7	16.3
Grand Mean								59.33	66.83	54.81
Bartlett's X2								7.9	16.696	0.094
P(Bartlett's X2)								0.341	0.117	0.992

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	48c	33cd	10de
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	45c	30cd	10de
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	45c	23d	10de
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	28cd	10de
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	40c	20d	10de
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	71b	53b	40b
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf			
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	76b	45bc	28bc
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	74b	60b	33b
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	50c	33cd	10de
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	86a	84a	91a
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf			
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	45c	30cd	10de
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	73b	58b	18cd
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Nontreated						0d	0e	0e
LSD (P=.05)								8.5	12.8	10.7
Standard Deviation								5.9	8.9	7.5
CV								10.99	23.5	34.79
Grand Mean								54.04	37.98	21.44
Bartlett's X2								5.43	9.892	7.179
P(Bartlett's X2)								0.861	0.359	0.066

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	40b	65a	18c
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	45b	73a	43b
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	75a	89a	83a
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	75a	90a	88a
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	80a	85a	85a
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	84a	90a	90a
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf			
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	85a	90a	90a
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	91a	90a	90a
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								SEBEX	SEBEX	SEBEX
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	78a	85a	90a
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	89a	91a	25c
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf			
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	75a	90a	85a
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	86a	90a	90a
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Nontreated						0c	0b	0d
LSD (P=.05)								13.9	15.7	17.1
Standard Deviation								9.7	11.0	12.0
CV								14.03	13.94	17.76
Grand Mean								69.42	79.04	67.31
Bartlett's X2								32.458	23.635	21.855
P(Bartlett's X2)								0.001*	0.001*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								AESIN	AESIN	AESIN
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	59b	30b	25b
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	65b	25b	23b
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	88a	90a	73a
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	85a	90a	88a
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	89a	84a	85a
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	90a	90a	88a
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf			
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	89a	90a	78a
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	95a	80a	90a
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								AESIN	AESIN	AESIN
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	88a	85a	88a
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	95a	68a	25b
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf			
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	85a	90a	80a
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	93a	89a	85a
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Nontreated						0c	0c	0c
LSD (P=.05)								12.4	14.6	16.5
Standard Deviation								8.7	10.2	11.6
CV								11.08	14.64	18.22
Grand Mean								78.37	70.0	63.46
Bartlett's X2								20.86	12.731	19.937
P(Bartlett's X2)								0.008*	0.048*	0.018*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	CYPIR	CYPIR
Rating Date								1/Jun/2009	23/Jun/2009	1/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								21daMPOST	41daMPOST	21daMPOST	28daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	48cd	75a	90a	90ab
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	25d	50b	85a	85b
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	75ab	80a	90a	90ab
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	45cd	75a	90a	90ab
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	83a	80a	90a	90ab
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	74ab	80a	90a	90ab
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf				
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	85a	80a	90a	90ab
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	89a	80a	90a	90ab
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				

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Pest Code								ALRPH	ALRPH	CYPIR	CYPIR
Rating Date								1/Jun/2009	23/Jun/2009	1/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								21daMPOST	41daMPOST	21daMPOST	28daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	35cd	75a	91a	90ab
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	85a	75a	91a	93a
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf				
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST				
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	55bc	80a	90a	90ab
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST				
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	80a	83a	90a	90ab
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST				
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
13		Nontreated						0e	0c	0b	0c
LSD (P=.05)								17.6	15.8	4.3	4.2
Standard Deviation								12.3	11.0	3.0	2.9
CV								20.54	15.71	3.6	3.53
Grand Mean								59.81	70.19	82.88	82.88
Bartlett's X2								25.917	13.173	7.634	3.728
P(Bartlett's X2)								0.004*	0.022*	0.022*	0.053

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	CYPIR
Rating Date	23/Jun/2009
Rating Data Type	CONTROL
Rating Unit	%
Trt-Eval Interval	41daMPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	95a
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	95a
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	94a
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	

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Pest Code	CYPIR
Rating Date	23/Jun/2009
Rating Data Type	CONTROL
Rating Unit	%
Trt-Eval Interval	41daMPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	95a
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST	
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	95a
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST	
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	91a
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf	
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST	
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST	
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
13		Nontreated						0b

LSD (P=.05)	3.1
Standard Deviation	2.1
CV	2.45
Grand Mean	87.31
Bartlett's X2	3.026
P(Bartlett's X2)	0.082

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Strada + Siapton Programs in Clearfield Rice

Trial ID: C09-01 Protocol ID: C09-01
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
1	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
2		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
2		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
3		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
3		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
4		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
4		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
4		Siapton	0.026	LB AI/A	1.25	QT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
5		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
5		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
5		Liquid AMS	5	% V/V	5	GAL/100 GAL	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	1 lf	0a	0a	0a
6		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf			
6		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
6		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	0a	0a	0a
7		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8		Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	0a	0a	0a
8		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
8		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								RICE	RICE	RICE
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	28daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
9		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
9		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
9	HERB	Stam SC	3	LB AI/A	3	QT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Command	0.25	LB AI/A	10.7	FL OZ/A	PRE	0a	0a	0a
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf			
10		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
10		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	1 lf	0a	0a	0a
11		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
11		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12	HERB	Clearpath	0.375	LB AI/A	0.5	LB/A	1 lf	0a	0a	0a
12		Agridex	1	% V/V	19.2	FL OZ/A	1 lf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	MPOST			
12		Strada	0.0656	LB AI/A	2.1	OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Nontreated						0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V-10142 Safety on Mid-South Rice Varieties

Experiment number	**C09-03**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	PRE	DPRE	EPOST
Date applied [mm/dd/yy]	4/15/09	4/24/09	5/5/09
Time [hh:mm-hh:mm]	11:40-11:45 A	9:10-9:15 A	11"00-11:15 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	68/62	74/70	79/76
Relative humidity [%]	63%	87%	83%
Wind [mph, direction]	3-5 E	4-6 SE	2-3 SE
Weather [sunny, etc]	sunny	sunny	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/N/A	wet/dry
Crop stage/Height	PRE/ N/A	PRE/N/A	1-2lf/3-4"
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	15/22	15/22
Applied by	EPW	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
ALRPH(1-3m^{-2})	1-3"/5-6 lf	3-5"/6-12 lf
AESIN(4-6m^{-2})	½-1"/cot-1 lf	1-2"/1-2 lf
CYPES(1-3m^{-2})	1-3"/1-3 lf	2-3"/3-5 lf
BRAPP(120-130m^{-2})	¼ - ½"/cot-1 lf	½ -3/4"/1-2 lf
CNPPA(1-5m^{-2})		1-2"/cot-1 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	50bcd	28c	50bc	15c
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	38d	25c	38c	18c
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	54bcd	45bc	54bc	18c
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	54bcd	28c	54bc	23c
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	59bc	33c	59bc	18c
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	55bcd	18c	56bc	18c
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	50bcd	45bc	39c	15c
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	40cd	35c	40c	18c
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	66b	63b	51bc	20c
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	89a	88a	65b	38b
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST				
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	46cd	28c	46bc	20c
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	56bcd	33c	60bc	28bc
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST				
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	97a	86a	98a	91a
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	85a	97a	80a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	97a	93a	98a	91a
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				

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Pest Code							ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	97a	91a	97a	88a
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	80a	95a	88a
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST				
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST				
18		Nontreated						0e	0d	0d	0d
LSD (P=.05)								12.2	17.0	15.0	10.2
Standard Deviation								8.7	12.0	10.6	7.2
CV								13.81	24.08	17.47	19.09
Grand Mean								62.69	50.0	60.88	37.92
Bartlett's X2								29.453	28.423	31.81	24.25
P(Bartlett's X2)								0.014*	0.019*	0.004*	0.061

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								AESIN	AESIN	AESIN
Rating Date								3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	18g	15ef	0e
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	44ef	28de	0e
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	60de	30de	28d
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	58de	43cde	0e
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	83abc	75ab	71ab
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	73bcd	53bcd	75ab
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	43ef	30de	35cd
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	29fg	35de	40cd
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	60de	45cde	61b
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	86ab	70abc	89a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST			
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	69cd	58a-d	48c
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	96a	83a	86a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST			
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	94a	86a	89a
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	95a	88a	85a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	95a	85a	74ab
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			

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Pest Code							AESIN	AESIN	AESIN
Rating Date							3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	92a	86a	74ab
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	58a-d	85a
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST			
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
18		Nontreated						0h	0f	0e
LSD (P=.05)								12.6	20.1	11.5
Standard Deviation								8.9	14.2	8.2
CV								13.53	26.53	15.63
Grand Mean								65.68	53.61	52.15
Bartlett's X2								32.889	24.452	24.243
P(Bartlett's X2)								0.005*	0.08	0.029*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	16de	13b	0e
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	21de	13b	0e
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	28a-e	13b	0e
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	24cde	13b	0e
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	38a-d	15b	18cd
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	26b-e	13b	45a
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	34a-d	13b	0e
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	23cde	13b	0e
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	33a-d	13b	0e
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	43a-d	18b	33b
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST			
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	23cde	13b	13de
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	36a-d	25b	45a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST			
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	43a-d	28b	25bc
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	59a	20b	50a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	55abc	18b	0e
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			

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Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	58ab	45a	0e
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	31a-d	13b	0e
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST			
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
18		Nontreated						0e	0b	0e
LSD (P=.05)								18.7	16.0	9.0
Standard Deviation								13.2	11.3	6.3
CV								40.59	69.67	50.21
Grand Mean								32.64	16.25	12.64
Bartlett's X2								24.831	53.606	9.636
P(Bartlett's X2)								0.073	0.001*	0.141

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECLAL	ECLAL	CYPIR	CYPIR
Rating Date								3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	10c	0d	15e
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	59b	70a	63c	43cd
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	76a	75a	73b	35d
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	79a	50b	74b	50cd
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	88a	90a	96a	85ab
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	85a	85a	94a	65abc
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	79a	90a	71b	48cd
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	79a	90a	61c	40cd
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	81a	85a	61c	63bc
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	89a	83a	91a	91a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST				
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	85a	90a	94a	63bc
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	95a	90a	98a	80ab
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST				
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	95a	90a	97a	93a
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	95a	90a	97a	90a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	93a	90a	98a	91a
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				

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Pest Code							ECLAL	ECLAL	CYPIR	CYPIR
Rating Date							3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	96a	93a	97a	93a
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	90a	98a	91a
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST				
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST				
18		Nontreated						0c	0c	0d	0e
LSD (P=.05)								11.5	13.2	7.3	17.5
Standard Deviation								8.1	9.3	5.2	12.4
CV								10.71	12.33	6.85	19.61
Grand Mean								75.89	75.56	75.65	62.99
Bartlett's X2								26.916	10.457	37.628	47.064
P(Bartlett's X2)								0.013*	0.107	0.001*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CYPES	CYPES	CNPPA	CNPPA
Rating Date								3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0e	15e	0g	45b
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	41d	48cd	46ef	88a
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	49cd	35d	59de	88a
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	59bc	58bcd	71bcd	85a
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	80ab	84abc	90a
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	88a	48cd	84abc	90a
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	48cd	48cd	44ef	23c
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE				
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	38d	40cd	34f	23c
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	43d	58bcd	71bcd	89a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	68b	90a	85abc	86a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST				
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	90a	65abc	68cd	80a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	98a	78ab	93ab	83a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST				
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	95a	93a	95ab	91a
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	91a	93ab	91a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	93a	91a	93ab	89a
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				

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Pest Code							CYPES	CYPES	CNPPA	CNPPA
Rating Date							3/Jun/2009	10/Jun/2009	3/Jun/2009	10/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	23daPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	91a	93a	96a	85a
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST				
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	91a	95ab	83a
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST				
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST				
18		Nontreated						0e	0e	0g	0d
LSD (P=.05)								9.4	18.0	14.5	17.3
Standard Deviation								6.6	12.8	10.3	12.2
CV								10.17	20.53	15.3	16.84
Grand Mean								65.26	62.15	67.07	72.57
Bartlett's X2								22.232	48.592	44.792	45.008
P(Bartlett's X2)								0.052	0.001*	0.001*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

V-10142 Efficacy

Trial ID: C09-03 Protocol ID: C09-03
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
2		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a	0a
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	0a	0a	0a
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	0a	0a	0a
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a	0a
5		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5	ADJ	'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
6		V-10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	0a	0a	0a
6		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
7		Grasp	0.036	LB AI/A	2.3	FL OZ/A	DPRE	0a	0a	0a
7		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	DPRE			
8	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	0a	0a	0a
9	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	0a	0a	0a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	PRE	0a	0a	0a
10	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST			
10		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
11	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	0a	0a	0a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	0a	0a	0a
12	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	EPOST			
12		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a	0a
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
13		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
13	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
13		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a	0a
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
14		V-10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
14	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
14		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	0a	0a	0a
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
15		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
15		SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
15		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			

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Pest Code							RICE	RICE	RICE
Rating Date							3/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							23daPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	PRE	0a	0a	0a
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
16		Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST			
16		Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
16		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
17		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
17		SuperWham	3	LB AI/A	96	FL OZ/A	MPOST			
17		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
17		'Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
18		Nontreated						0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Yield Trials with Trilex, Ricestar HT, and Stratego/Gem

Experiment number	**C09-05**
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	4/14/09
Harvest date	8/21/09
Crop/Variety	Cocodrie
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	POST	BOOTSPLIT
Date applied [mm/dd/yy]	4/16/09	5/13/09	7/6/09
Time [hh:mm-hh:mm]	10:45-10:50 A	11:20- A	9:45-10:00 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	70/62	82/80	84.5/83
Relative humidity [%]	65%	75%	86.5%
Wind [mph, direction]	3-5 E	3-7 S	5-7 E
Weather [sunny, etc]	sunny	pt cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	dry/dry	flood/dry
Crop stage/Height	PRE/ N/A	3-4lf/4-6"	late boot/30-36"
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	15/22	15/22
Applied by	EPW	TPC	JBH

Flush Dates	4/17, 5/15, 5/30
Permanent Flood	6/9

*AMFF – Air mix flat fan nozzles

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Yield Trials with Trilex, Ricestar HT, and Stratego/Gem

Trial ID: C09-05 Protocol ID: C09-05
Location: RRS-Crowely, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE	RICE
Pest Code										
Rating Date								15/May/2009	15/May/2009	29/May/2009
Rating Data Type								AVGHEIGHT	STANDCOUNT	AVGHEIGHT
Rating Unit								cm	no/18"	cm
Trt-Eval Interval								32daplant	32daplant	46daplant
1		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	22a	13a	24a
1		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
2		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	20a	11a	23a
2		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
2		Stratego	0.31	LB AI/A	19	FL OZ/A				
2		GEM	0.049	LB AI/A	1.5	FL OZ/A				
3		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	23a	15a	24a
3		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
3		Stratego	0.31	LB AI/A	19	FL OZ/A				
4		APRON XL			7.5	G AI/100 KG	SEEDTRT	22a	12a	24a
4		Maxim			1.25	G AI/100 KG	SEEDTRT			
4		Dynasty			10	G AI/100 KG	SEEDTRT			
4		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
4	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	MPOST			
4	HERB	Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4		Quilt	0.273	LB AI/A	21	FL OZ/A				
4		Quadris	0.098	LB AI/A	6	FL OZ/A				
LSD (P=.05)								3.9	6.5	2.4
Standard Deviation								2.5	4.1	1.5
CV								11.34	32.61	6.31
Grand Mean								21.66	12.44	23.94
Bartlett's X2								0.941	3.351	3.385
P(Bartlett's X2)								0.816	0.341	0.336

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code							RICE	SHTH BLT	RICE
Rating Date							29/May/2009	2/Jul/2009	17/Aug/2009
Rating Data Type							INJURY		AVG HEIGHT
Rating Unit							%	%	cm
Trt-Eval Interval							46daplant		
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	0a	0a	103a
1		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
2		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	0a	0a	97a
2		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
2		Stratego	0.31	LB AI/A	19	FL OZ/A				
2		GEM	0.049	LB AI/A	1.5	FL OZ/A				
3		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	0a	0a	96a
3		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST			
3		Stratego	0.31	LB AI/A	19	FL OZ/A				
4		APRON XL			7.5	G AI/100 KG	SEEDTRT	0a	0a	98a
4		Maxim			1.25	G AI/100 KG	SEEDTRT			
4		Dynasty			10	G AI/100 KG	SEEDTRT			
4		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
4	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	MPOST			
4	HERB	Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4		Quilt	0.273	LB AI/A	21	FL OZ/A				
4		Quadris	0.098	LB AI/A	6	FL OZ/A				
LSD (P=.05)								0.0	0.0	11.6
Standard Deviation								0.0	0.0	7.3
CV								0.0	0.0	7.4
Grand Mean								0.0	0.0	98.31
Bartlett's X2								0.0	0.0	5.044
P(Bartlett's X2)								.	.	0.169

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	RICE
Rating Date	21/Aug/2009
Rating Data Type	YIELD
Rating Unit	lb/A
Trt-Eval Interval	Harvest

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	4280a
1		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT	
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST	
2		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	4446a
2		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT	
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST	
2		Stratego	0.31	LB AI/A	19	FL OZ/A		
2		GEM	0.049	LB AI/A	1.5	FL OZ/A		
3		Trilex Allegiance Conc. #2			9	G AI/100 KG	SEEDTRT	4301a
3		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT	
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	POST	
3		Stratego	0.31	LB AI/A	19	FL OZ/A		
4		APRON XL			7.5	G AI/100 KG	SEEDTRT	4431a
4		Maxim			1.25	G AI/100 KG	SEEDTRT	
4		Dynasty			10	G AI/100 KG	SEEDTRT	
4		Pro-ized Red Colorant			19.6	ML/100 KG	SEEDTRT	
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	
4	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	MPOST	
4	HERB	Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
4		Quilt	0.273	LB AI/A	21	FL OZ/A		
4		Quadris	0.098	LB AI/A	6	FL OZ/A		

LSD (P=.05)	1974.3
Standard Deviation	988.1
CV	22.64
Grand Mean	4364.77
Bartlett's X2	4.262
P(Bartlett's X2)	0.235

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental and Soil Sciences

Halomax VS Permit Efficacy

Experiment number	**C09-06**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	PRE	MPOST	Overspray
Date applied [mm/dd/yy]	4/15/09	5/11/09	5/13/09
Time [hh:mm-hh:mm]	10:20-10:30 A	10:55-11:10 A	7:40-7:45 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	68/62	84/84	80/80
Relative humidity [%]	63%	75%	75%
Wind [mph, direction]	3-5 E	5-7 SW	2-5 S
Weather [sunny, etc]	sunny	pt cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	dry/dry	dry/wet
Crop stage/Height	PRE/ N/A	3-5 lf/3-6"	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	15/22	15/22	15/22
Applied by	EPW	TPC	TPC

Weed Species (population)	---------- (height/#leaves) ----------
CYPES (35-50 m^{-2})	2-8"/3-9 lf
CYPIR (100-120 m^{-2})	1-3"/1-3 lf
ALRPH (6-10m^{-2})	2-8"/4-40 lf
ECLAL (10-15 m^{-2})	0.5-4"/1-6 lf
AESIN (3-5 m^{-2})	1-8"/3-12 lf
PHYAN (25-30 m^{-2})	0.5-4"/1-6 lf
COMDI (3-5 m^{-2})	0.5-2"/1-3 lf
CNPPA (2-5 m^{-2})	0.5-2"/cot-3 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								AESIN	AESIN	AESIN
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0d	0d	0f
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84bc	43c	48de
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	79c	50bc	38e
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86ab	50bc	58cd
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90ab	48bc	61bc
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90ab	74a	65abc
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86ab	55abc	73ab
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90ab	60abc	75ab
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	68ab	78a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								5.1	14.5	10.5
Standard Deviation								3.5	9.9	7.2
CV								4.54	20.02	13.14
Grand Mean								77.5	49.58	54.86
Bartlett's X2								4.118	3.322	9.715
P(Bartlett's X2)								0.533	0.854	0.205

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0e	0b	6b
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48c	15a	30a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	40cd	15a	6b
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	73a	18a	6b
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	28d	15a	8b
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	40cd	20a	6b
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	69ab	18a	6b
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	60b	18a	5b
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	33d	20a	9b
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								10.0	7.9	2.8
Standard Deviation								6.9	5.4	1.9
CV								15.87	35.21	21.16
Grand Mean								43.19	15.28	9.17
Bartlett's X2								3.897	1.149	0.105
P(Bartlett's X2)								0.564	0.979	1.00

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0d	0b	0a
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	38b	35a	0a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	18c	40a	0a
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	40b	40a	0a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	33b	33a	0a
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	50b	45a	0a
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48b	48a	0a
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	75a	50a	0a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	73a	55a	0a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								12.9	16.2	0.0
Standard Deviation								8.8	11.1	0.0
CV								21.37	28.92	0.0
Grand Mean								41.39	38.33	0.0
Bartlett's X2								10.588	6.257	0.0
P(Bartlett's X2)								0.158	0.51	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CYPIR	CYPES	CYPES
Rating Date								19/Jun/2009	27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								39daMPOST	16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	0c	0c
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	60b	86b	91a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	90a	85b
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	90a	95a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	90a	95a
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	89a	94a
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	90a	95a
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	91a	95a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	90a	94a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								10.1	2.0	6.2
Standard Deviation								6.9	1.3	4.2
CV								8.9	1.68	5.1
Grand Mean								78.06	79.58	82.64
Bartlett's X2								26.551	0.0	8.289
P(Bartlett's X2)								0.001*	.	0.04*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CNPPA	CNPPA	CNPPA	PHYAN	PHYAN
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009	27/May/2009	27/May/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST	16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage					
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	0d	0a	0b	0b
1		Check										
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84b	33bc	0a	80a	43a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST					
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85ab	25cd	0a	84a	28a
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST					
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84b	40abc	0a	88a	35a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST					
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84b	40abc	0a	83a	33a
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST					
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88ab	71a	0a	86a	53a
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST					
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86ab	25cd	0a	83a	30a
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST					
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	65ab	0a	85a	58a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST					
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90ab	55abc	0a	84a	50a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST					
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
LSD (P=.05)								4.7	23.2	0.0	6.8	21.5
Standard Deviation								3.2	15.9	0.0	4.6	14.7
CV								4.16	40.51	0.0	6.23	40.45
Grand Mean								76.81	39.31	0.0	74.58	36.39
Bartlett's X2								3.602	6.901	0.0	5.896	9.226
P(Bartlett's X2)								0.824	0.33	.	0.435	0.237

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Halomax VS Permit Efficacy

Trial ID: C09-06 Protocol ID: C09-06
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	COMDI	COMDI	RICE	RICE	RICE
Pest Code								COMDI	COMDI	RICE	RICE	RICE
Rating Date								27/May/2009	10/Jun/2009	27/May/2009	10/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY	NJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	16daMPOST	30daMPOST	39daMPOST
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0d	0c	0a	0a	0a
1		Check										
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	23c	35b	0a	0a	0a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST					
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0d	33b	0a	0a	0a
3		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST					
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	33c	48b	0a	0a	0a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST					
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0d	43b	0a	0a	0a
5		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST					
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	75a	80a	0a	0a	0a
6		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST					
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48b	40b	0a	0a	0a
7		Halomax	0.035	LB AI/A	0.75	OZ WT/A	MPOST					
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	28c	50b	0a	0a	0a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST					
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	25c	73a	0a	0a	0a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST					
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST					
LSD (P=.05)								12.6	12.1	0.0	0.0	0.0
Standard Deviation								8.6	8.3	0.0	0.0	0.0
CV								33.78	18.62	0.0	0.0	0.0
Grand Mean								25.56	44.44	0.0	0.0	0.0
Bartlett's X2								9.053	3.187	0.0	0.0	0.0
P(Bartlett's X2)								0.107	0.867	.	.	

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Permit and Halomax with Londax Tankmixes

Experiment number	**C09-07**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	PRE	MPOST	Overspray
Date applied [mm/dd/yy]	4/15/09	5/11/09	5/13/09
Time [hh:mm-hh:mm]	10:25-10:30 A	9:38-9:55 A	7:45-8:00 A
Incorporation equip./Dept	N/A	N/A	N/A
Air/Soil temperature [F]	68/62	84/80	80/80
Relative humidity [%]	63%	80%	75%
Wind [mph, direction]	3-5 E	3-5 SW	2-5 S
Weather [sunny, etc]	sunny	pt cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	dry/dry	dry/wet
Crop stage/Height	PRE/ N/A	3-5lf/3-6"	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	15/22	15/22	15/22
Applied by	EPW		TPC

Weed Species (population)	---------- (height/#leaves) ----------
CYPES (10-20 m^{-2})	2-8"/3-9 lf
CYPIR (30-50 m^{-2})	0.5-1"/2-3 lf
AESIN (3-5 m^{-2})……	2-4"/2-4 lf
COMDI (3-5 m^{-2})	0.5-2/1-3 lf
ALRPH (8-10 m^{-2})	0.5-2/1-3 lf
CNPPA (3-5 m^{-2})	0.5-2/cot-2 lf
PHYAN (15-20 m^{-2})	0.25-2"/cot-3 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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Permit and Halomax with Londax Tankmixes

Trial ID: C09-07 Protocol ID: C09-07
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	AESIN	AESIN	AESIN
Rating Date								10/Jun/2009	2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								29daMPOST	22daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	0c	0d	0f
1		Check									
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	91a	64b	40d
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST				
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST				
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	92a	89a	93a	59bc
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST				
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST				
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	96a	90a	80a	43cd
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST				
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	96a	88a	80a	43cd
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST				
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST				
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	88a	86a	45cd
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST				
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST				
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	89a	94a	78a
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST				
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	91a	94a	70ab
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST				
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	92a	93a	84a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST				
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	76b	65b	41c	25e
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST				
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
LSD (P=.05)								7.6	11.4	10.9	12.4
Standard Deviation								5.3	7.9	7.5	8.6
CV								6.33	10.04	10.42	17.67
Grand Mean								83.05	78.23	72.33	48.5

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Permit and Halomax with Londax Tankmixes

Trial ID: C09-07 Protocol ID: C09-07
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0b	0b	5b
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	30a	26a	5b
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	23a	21ab	5b
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	26a	20ab	5b
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	28a	24ab	19a
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	24a	40a	5b
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	24a	33a	5b
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	21a	21ab	5b
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	23a	20ab	5b
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	26a	38a	23a
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST			
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								10.1	16.8	6.7
Standard Deviation								6.9	11.6	4.6
CV								30.97	47.86	57.14
Grand Mean								22.38	24.25	8.13

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Permit and Halomax with Londax Tankmixes

Trial ID: C09-07 Protocol ID: C09-07
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECLAL	ECLAL
Rating Date								2/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								22daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0b	0e
1		Check							
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0e
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST		
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST		
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	96a	0e
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST		
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST		
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0e
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST		
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST		
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	23d
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST		
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST		
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0e
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST		
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST		
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	35c
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST		
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST		
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	25d
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST		
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	50a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST		
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	43b
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST		
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST		
LSD (P=.05)								5.8	5.1
Standard Deviation								4.0	3.5
CV								4.76	20.28
Grand Mean								84.35	17.5

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Permit and Halomax with Londax Tankmixes

Trial ID: C09-07 Protocol ID: C09-07
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CYPIR	CYPIR	CYPIR
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0b	0b	0c
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	91a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	95a	93a
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	95a	93a
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	91a
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	93a
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	95a	94a
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	95a	91a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	96a	90a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	95a	75b
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST			
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								1.7	1.9	4.3
Standard Deviation								1.2	1.3	3.0
CV								1.32	1.5	3.64
Grand Mean								87.53	85.75	81.0

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Permit and Halomax with Londax Tankmixes

Trial ID: C09-07 Protocol ID: C09-07
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CYPES	CYPES	COMDI	COMDI
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								22daMPOST	29daMPOST	22daMPOST	29daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0b	0b	0b	0c
1		Check									
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	96a	74a	74b
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST				
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST				
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	95a	73a	79ab
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST				
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST				
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	73a	79ab
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST				
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	73a	85ab
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST				
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST				
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	74a	89ab
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST				
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST				
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	95a	74a	91ab
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST				
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST				
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	96a	75a	89ab
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST				
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	98a	96a	70a	93a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST				
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	97a	95a	76a	83ab
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST				
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST				
LSD (P=.05)								1.5	1.6	5.4	11.2
Standard Deviation								1.0	1.1	3.7	7.7
CV								1.16	1.27	5.65	10.1
Grand Mean								87.75	85.95	66.0	76.08

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Pest Code								CNPPA	RICE	RICE
Rating Date								10/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								29daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0b	0a	0a
1		Check								
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	0a	0a
2	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
2	HERB	Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
2		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	0a	0a
3		Permit	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
3		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
3		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	0a	0a
4		Permit	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
4		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
4		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0a	0a
5		Halomax	0.0117	LB AI/A	0.25	OZ WT/A	MPOST			
5		Londax	0.0375	LB AI/A	0.75	OZ WT/A	MPOST			
5		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0a	0a
6		Halomax	0.0234	LB AI/A	0.5	OZ WT/A	MPOST			
6		Londax	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
6		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	0a	0a
7		Halomox	0.035	LB AI/A	0.75	OZ WT/A	MPOST			
7		Londax	0.0125	LB AI/A	0.25	OZ WT/A	MPOST			
7		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	0a	0a
8		Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
8		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	0a	0a
9		Halomax	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	0a	0a
10		Londax	0.05	LB AI/A	1	OZ WT/A	MPOST			
10		Induce	0.25	% V/V	4.8	FL OZ/A	MPOST			
LSD (P=.05)								6.5	0.0	0.0
Standard Deviation								4.5	0.0	0.0
CV								5.42	0.0	0.0
Grand Mean								83.33	0.0	0.0
Bartlett's X2								10.167	0.0	0.0
P(Bartlett's X2)								0.118	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher with Choice/Quest

Experiment number..... : **C09-09**
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 ..... : 4/14
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29
Uniform std. treatment..... : N/A

Application type..... : LPOST
Date applied [mm/dd/yy] ..... : 5/12/09
Time [hh:mm-hh:mm]..... : 9:35-9:50 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84/79
Relative humidity [%]..... : 84%
Wind [mph, direction] ..... : 1-2 E
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : moist/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 ..... : 15/22
Applied by..... : TPC

Weed Species (population):- (height/#leaves) -
ECHCG (120-140 m^{-2})..... : 4-6"/4-6 lf
BRAPP(70-80 m^{-2}) ..... : 2-4"/2-4 lf
LEFPA(50-70m^{-2}) ..... : 3-5"/2-4 lf

Flush Dates ..... : 5/8, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Clincher with Choice/Quest

Trial ID: C09-09 Protocol ID: C09-09
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	61a	28a	0c
1		Choice	0	% V/V	0	FL OZ/A				
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
2	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	68a	45a	0c
2		Choice	0.208	% V/V	0.25	PT/A				
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
3	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	65a	43a	0c
3		Choice	0.417	% V/V	0.5	PT/A				
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
4	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	65a	50a	10b
4		Choice	0.625	% V/V	0.75	PT/A				
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
5	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	74a	45a	20a
5		Choice	0.83	% V/V	1	PT/A				
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
6	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	68a	40a	20a
6		Choice	1.67	% V/V	1	QT/A				
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
7	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	66a	30a	20a
7		Quest	0	% V/V	0	PT/A				
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
8	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	68a	28a	0c
8		Quest	0.208	% V/V	0.25	PT/A				
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
9	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	70a	43a	0c
9		Quest	0.417	% V/V	0.50	PT/A				
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
10	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	70a	45a	0c
10		Quest	0.625	% V/V	0.75	PT/A				
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
11	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	66a	25a	0c
11		Quest	0.83	% V/V	1	PT/A				
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
12	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	71a	40a	10b
12		Quest	1.67	% V/V	1	QT/A				
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
13	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	64a	20a	0c
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST			
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			

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Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14	HERB	Nontreated						0b	0b	0c
LSD (P=.05)								8.8	17.4	0.0
Standard Deviation								6.1	12.2	0.0
CV								9.81	35.48	0.0
Grand Mean								62.5	34.29	5.71
Bartlett's X2								17.135	6.352	0.0
P(Bartlett's X2)								0.145	0.849	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher with Choice/Quest

Trial ID: C09-09 Protocol ID: C09-09
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	29daMPOSR	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	64a	20c	0c
1		Choice	0	% V/V	0	FL OZ/A				
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
2	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	73a	20c	0c
2		Choice	0.208	% V/V	0.25	PT/A				
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
3	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	76a	0d	0c
3		Choice	0.417	% V/V	0.5	PT/A				
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
4	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	71a	45b	10b
4		Choice	0.625	% V/V	0.75	PT/A				
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
5	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	78a	38b	20a
5		Choice	0.83	% V/V	1	PT/A				
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
6	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	75a	63a	20a
6		Choice	1.67	% V/V	1	QT/A				
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
7	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	70a	25c	20a
7		Quest	0	% V/V	0	PT/A				
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
8	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	76a	25c	0c
8		Quest	0.208	% V/V	0.25	PT/A				
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
9	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	76a	0d	0c
9		Quest	0.417	% V/V	0.50	PT/A				
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
10	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	78a	45b	0c
10		Quest	0.625	% V/V	0.75	PT/A				
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
11	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	69a	0d	0c
11		Quest	0.83	% V/V	1	PT/A				
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
12	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	73a	18c	10b
12		Quest	1.67	% V/V	1	QT/A				
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			
13	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	71a	20c	0c
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST			
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST			

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Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								21daMPOST	29daMPOSR	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14	HERB	Nontreated						0b	0d	0c
LSD (P=.05)								8.9	10.2	0.0
Standard Deviation								6.2	7.1	0.0
CV								9.17	31.51	0.0
Grand Mean								67.77	22.68	5.71
Bartlett's X2								14.289	5.188	0.0
P(Bartlett's X2)								0.283	0.737	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher with Choice/Quest

Trial ID: C09-09 Protocol ID: C09-09
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								LEFPA	LEFPA	RICE	RICE
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								21daMPOST	29daMPOST	21daMPOST	29daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	61a	38a	0a	0a
1		Choice	0	% V/V	0	FL OZ/A					
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
2	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	64a	45a	0a	0a
2		Choice	0.208	% V/V	0.25	PT/A					
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	61a	43a	0a	0a
3		Choice	0.417	% V/V	0.5	PT/A					
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	63a	45a	0a	0a
4		Choice	0.625	% V/V	0.75	PT/A					
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	71a	45a	0a	0a
5		Choice	0.83	% V/V	1	PT/A					
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	68a	38a	0a	0a
6		Choice	1.67	% V/V	1	QT/A					
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	61a	30a	0a	0a
7		Quest	0	% V/V	0	PT/A					
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	66a	33a	0a	0a
8		Quest	0.208	% V/V	0.25	PT/A					
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	69a	40a	0a	0a
9		Quest	0.417	% V/V	0.50	PT/A					
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	66a	40a	0a	0a
10		Quest	0.625	% V/V	0.75	PT/A					
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	65a	25a	0a	0a
11		Quest	0.83	% V/V	1	PT/A					
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	70a	40a	0a	0a
12		Quest	1.67	% V/V	1	QT/A					
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
13	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	64a	20a	0a	0a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST				
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								LEFPA	LEFPA	RICE	RICE
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								21daMPOST	29daMPOST	21daMPOST	29daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
14	HERB	Nontreated						0b	0b	0a	0a
LSD (P=.05)								8.5	17.4	0.0	0.0
Standard Deviation								5.9	12.2	0.0	0.0
CV								9.79	35.57	0.0	0.0
Grand Mean								60.63	34.29	0.0	0.0
Bartlett's X2								13.651	5.906	0.0	0.0
P(Bartlett's X2)								0.324	0.88	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	RICE
Rating Date	19/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	38daMPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
1		Choice	0	% V/V	0	FL OZ/A		
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
2	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
2		Choice	0.208	% V/V	0.25	PT/A		
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
3	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
3		Choice	0.417	% V/V	0.5	PT/A		
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
4	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
4		Choice	0.625	% V/V	0.75	PT/A		
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
5	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
5		Choice	0.83	% V/V	1	PT/A		
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
6	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
6		Choice	1.67	% V/V	1	QT/A		
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
7	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
7		Quest	0	% V/V	0	PT/A		
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
8	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
8		Quest	0.208	% V/V	0.25	PT/A		
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
9	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
9		Quest	0.417	% V/V	0.50	PT/A		
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
10	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
10		Quest	0.625	% V/V	0.75	PT/A		
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
11	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
11		Quest	0.83	% V/V	1	PT/A		
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
12	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
12		Quest	1.67	% V/V	1	QT/A		
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
13	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	M-LPOST	0a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST	
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST	
14	HERB	Nontreated						0a

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Pest Code	RICE
Rating Date	19/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	38daMPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
LSD (P=.05)								0.0
Standard Deviation								0.0
CV								0.0
Grand Mean								0.0
Bartlett's X2								0.0
P(Bartlett's X2)								.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Choice/Quest

Experiment number..... : **C09-10**
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 ..... : 4/16
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29
Uniform std. treatment..... : N/A

Application type..... : M-LPOST
Date applied [mm/dd/yy] ..... : 5/26/09
Time [hh:mm-hh:mm]..... : 10:40-11:15 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 80/78
Relative humidity [%]..... : 94%
Wind [mph, direction] ..... : 7-9 SW
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 4 lf-1 til/4-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
ECHCG (100-150 m^{-2})..... : 4-8"/5 lf-2 til
BRAPP (50-60 m^{-2}) ..... : 4-6"/5 lf-2 til
ORYSA (40-60 m^{-2})..... : 4-6"/4 lf-1 til
SEBEX (5-10 m^{-2})..... : 6-10"/6-10 lf

Flush Dates ..... : 5/16, 5/30
Permanent Flood..... : 6/4

*AMFF – Air mix flat fan nozzles

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Newpath with Choice/Quest

Trial ID: C09-10 Protocol ID: C09-10
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ORYSA	ECHCG	SEBEX	CYPIR
Rating Date								12/Jun/2009	12/Jun/2009	12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								17daLPOST	17daLPOST	17daLPOST	17daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	80a-d	30a	0a	84ab
1		Choice	0	% V/V	0	FL OZ/A					
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	73d	30a	0a	78ab
2		Choice	0.208	% V/V	0.25	PT/A					
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	78bcd	30a	0a	86a
3		Choice	0.417	% V/V	0.5	PT/A					
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	85abc	30a	0a	89a
4		Choice	0.625	% V/V	0.75	PT/A					
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	90a	30a	0a	91a
5		Choice	0.83	% V/V	1	PT/A					
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	90a	30a	0a	91a
6		Choice	1.67	% V/V	1	QT/A					
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	75cd	30a	0a	71b
7		Quest	0	% V/V	0	PT/A					
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	85abc	30a	0a	94a
8		Quest	0.208	% V/V	0.25	PT/A					
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	88ab	30a	0a	93a
9		Quest	0.417	% V/V	0.50	PT/A					
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	80a-d	30a	0a	91a
10		Quest	0.625	% V/V	0.75	PT/A					
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	83a-d	30a	0a	89a
11		Quest	0.83	% V/V	1	PT/A					
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	85abc	30a	0a	90a
12		Quest	1.67	% V/V	1	QT/A					
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
13	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	80a-d	30a	0a	93a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST				
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								ORYSA	ECHCG	SEBEX	CYPIR
Rating Date								12/Jun/2009	12/Jun/2009	12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								17daLPOST	17daLPOST	17daLPOST	17daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
14	HERB	Nontreated						0e	0b	0a	0c
LSD (P=.05)								7.0	0.0	0.0	10.8
Standard Deviation								4.9	0.0	0.0	7.6
CV								6.43	0.0	0.0	9.3
Grand Mean								76.43	27.86	0.0	81.34
Bartlett's X2								2.702	0.0	0.0	43.956
P(Bartlett's X2)								0.952	.	.	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								CYPES	RICE
Rating Date								12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	INJURY
Rating Unit								%	%
Trt-Eval Interval								17daLPOST	17daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
1		Choice	0	% V/V	0	FL OZ/A			
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	94a	0a
2		Choice	0.208	% V/V	0.25	PT/A			
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
3	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
3		Choice	0.417	% V/V	0.5	PT/A			
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
4	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
4		Choice	0.625	% V/V	0.75	PT/A			
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
5	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
5		Choice	0.83	% V/V	1	PT/A			
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
6	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
6		Choice	1.67	% V/V	1	QT/A			
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	94a	0a
7		Quest	0	% V/V	0	PT/A			
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
8		Quest	0.208	% V/V	0.25	PT/A			
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
9	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
9		Quest	0.417	% V/V	0.50	PT/A			
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
10	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
10		Quest	0.625	% V/V	0.75	PT/A			
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
11	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
11		Quest	0.83	% V/V	1	PT/A			
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
12	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
12		Quest	1.67	% V/V	1	QT/A			
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
13	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	95a	0a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST		
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
14	HERB	Nontreated						0b	0a

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Pest Code								CYPES	RICE
Rating Date								12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	INJURY
Rating Unit								%	%
Trt-Eval Interval								17daLPOST	17daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
LSD (P=.05)								1.3	0.0
Standard Deviation								0.9	0.0
CV								1.03	0.0
Grand Mean								88.04	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with AMS and Water Conditions

Experiment number	**C09-11**
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	4/16
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	EPOST	LPOST	PI+14d
Date applied [mm/dd/yy]	5/6/09	5/26/09	7/6/09
Time [hh:mm-hh:mm]	10:40-10:50 A	10:15-10:33 A	8:50-9:25 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	85/78	80/78	84.5/83
Relative humidity [%]	84%	94%	86.5%
Wind [mph, direction]	9-10 S	7-9 SW	5-7 E
Weather [sunny, etc]	cloudy	cloudy	pt cloudy
Soil/Leaf surface moist	wet/dry	wet/dry	flood/dry
Crop stage/Height	1-3 Lf/4-5"	4 lf bl til/4-6"	PI+14d/24-32"
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	15/22	15/22
Applied by	JBH	JBH	JBH

Weed Species (population)	---------- (height/#leaves) ----------		
BRAPP (100-150 m^{-2})	½-1/2"/1-3 lf	4-8"/5 lf-1 til	10-13"/heading
ECHCG (100-150 m^{-2})	½-3"/2-4 lf	4-6"/ 4lf-1 til	10-14"/heading
ORYZA (20-40 m^{-2})	3-6"/ 2-3 lf	4-6"/4 lf-1 til	10-15"/heading
MEOCO (30-40 m^{-2})	½-1"/coty-2 lf	2-4"/2-4 lf	6-8"/flowering
COMDI (3-5 m^{-2})	½-2"/1-4 lf	2-4"/3-5 lf	6-10"/flowering
SEBEX (2-5 m^{-2})	2-4"/2-4 lf	6-10"/6-10 lf	15-30"/flowering
ALRPH (2-3 m^{-2})	2-10"/5-30 lf	4-15"/15-40 lf	15-20"/flowering
CYPIR (25-30 m^{-2})	½ -3"/1-6 lf	2-5"/2-7 lf	9-12"/flowering

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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Newpath with AMS and Water Conditioners

Trial ID: C09-11 Protocol ID: C09-11
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ORYSA	ORYSA	ECHCG	ECHCG
Rating Date								10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	91a	90a	33a	51a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	92a	89a	29a	50a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Choice	0.417	% V/V	0.5	PT/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	90a	28a	53a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
3		Quest	0.625	% V/V	0.75	PT/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	89a	30a	49a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	91a	90a	29a	49a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	91a	91a	31a	50a
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
6		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	91a	30a	49a
7		Choice	0.417	% V/V	0.5	PT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
7		Choice	0.417	% V/V	0.5	PT/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
7		Choice	0.417	% V/V	0.5	PT/A	PI+14d				
7		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				

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Pest Code							ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	89a	90a	33a	51a
8		Quest	0.625	% V/V	0.75	PT/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
8		Quest	0.625	% V/V	0.75	PT/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
8		Quest	0.625	% V/V	0.75	PT/A	PI+14d				
8		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	89a	91a	30a	50a
9		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
9		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
9		Alliance	1.25	% V/V	1.5	PT/A	PI+14d				
9		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	91a	91a	31a	51a
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	PI+14d				
10		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
11		Nontreated						0b	0b	0b	0b
LSD (P=.05)								3.0	2.5	4.7	3.6
Standard Deviation								2.1	1.7	3.3	2.5
CV								2.51	2.13	11.83	5.44
Grand Mean								82.11	81.89	27.57	45.68
Bartlett's X2								4.917	6.867	6.22	3.115
P(Bartlett's X2)								0.766	0.443	0.399	0.794

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with AMS and Water Conditioners

Trial ID: C09-11 Protocol ID: C09-11
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								BRAPP	BRAPP	SEBEX	SEBEX
Rating Date								10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95ab	96a	0a	0a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95ab	95a	0a	0a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Choice	0.417	% V/V	0.5	PT/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	97a	96a	0a	0a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
3		Quest	0.625	% V/V	0.75	PT/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95ab	95a	0a	0a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96ab	96a	0a	0a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95ab	96a	0a	0a
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
6		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94b	95a	0a	0a
7		Choice	0.417	% V/V	0.5	PT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
7		Choice	0.417	% V/V	0.5	PT/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
7		Choice	0.417	% V/V	0.5	PT/A	PI+14d				
7		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				

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Pest Code							BRAPP	BRAPP	SEBEX	SEBEX
Rating Date							10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96ab	96a	0a	0a
8		Quest	0.625	% V/V	0.75	PT/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
8		Quest	0.625	% V/V	0.75	PT/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
8		Quest	0.625	% V/V	0.75	PT/A	PI+14d				
8		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96ab	96a	0a	0a
9		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
9		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
9		Alliance	1.25	% V/V	1.5	PT/A	PI+14d				
9		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95ab	96a	0a	0a
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	PI+14d				
10		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
11		Nontreated						0c	0b	0a	0a
LSD (P=.05)								1.6	1.6	0.0	0.0
Standard Deviation								1.1	1.1	0.0	0.0
CV								1.31	1.31	0.0	0.0
Grand Mean								86.48	86.84	0.0	0.0
Bartlett's X2								5.163	3.933	0.0	0.0
P(Bartlett's X2)								0.396	0.788	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with AMS and Water Conditioners

Trial ID: C09-11 Protocol ID: C09-11
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	CYPIR	CYPIR
Rating Date								10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	85a	75a	96a	96a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88a	78a	95a	95a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Choice	0.417	% V/V	0.5	PT/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	78a	95a	94a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
3		Quest	0.625	% V/V	0.75	PT/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	78a	96a	95a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	76a	95a	95a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88a	76a	96a	95a
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
6		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88a	76a	95a	96a
7		Choice	0.417	% V/V	0.5	PT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
7		Choice	0.417	% V/V	0.5	PT/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
7		Choice	0.417	% V/V	0.5	PT/A	PI+14d				
7		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				

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Pest Code							ALRPH	ALRPH	CYPIR	CYPIR
Rating Date							10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	75a	96a	95a
8		Quest	0.625	% V/V	0.75	PT/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
8		Quest	0.625	% V/V	0.75	PT/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
8		Quest	0.625	% V/V	0.75	PT/A	PI+14d				
8		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	75a	95a	96a
9		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
9		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
9		Alliance	1.25	% V/V	1.5	PT/A	PI+14d				
9		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90a	75a	96a	95a
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	PI+14d				
10		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
11		Nontreated						0b	0b	0b	0b
LSD (P=.05)								4.7	7.0	1.4	1.2
Standard Deviation								3.3	4.9	1.0	0.8
CV								4.04	7.01	1.15	0.94
Grand Mean								80.68	69.2	86.7	86.5
Bartlett's X2								0.094	1.683	0.0	3.73
P(Bartlett's X2)								0.993	0.996	1.00	0.444

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with AMS and Water Conditioners

Trial ID: C09-11 Protocol ID: C09-11
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								MEOCO	MEOCO	RICE	RICE
Rating Date								10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94a	96a	0a	0a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95a	95a	0a	0a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Choice	0.417	% V/V	0.5	PT/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94a	95a	0a	0a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
3		Quest	0.625	% V/V	0.75	PT/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96a	94a	0a	0a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94a	95a	0a	0a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94a	94a	0a	0a
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
6		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95a	94a	0a	0a
7		Choice	0.417	% V/V	0.5	PT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
7		Choice	0.417	% V/V	0.5	PT/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
7		Choice	0.417	% V/V	0.5	PT/A	PI+14d				
7		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				

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Pest Code							MEOCO	MEOCO	RICE	RICE
Rating Date							10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	28daLPOST	15daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95a	95a	0a	0a
8		Quest	0.625	% V/V	0.75	PT/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
8		Quest	0.625	% V/V	0.75	PT/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
8		Quest	0.625	% V/V	0.75	PT/A	PI+14d				
8		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96a	95a	0a	0a
9		Alliance	1.25	% V/V	1.5	PT/A	EPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
9		Alliance	1.25	% V/V	1.5	PT/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
9		Alliance	1.25	% V/V	1.5	PT/A	PI+14d				
9		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94a	96a	0a	0a
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
10		Sprayable AMS	1.9	LB AI/A	2	LB/A	PI+14d				
10		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
11		Nontreated						0b	0b	0a	0a
LSD (P=.05)								1.6	1.4	0.0	0.0
Standard Deviation								1.1	1.0	0.0	0.0
CV								1.26	1.13	0.0	0.0
Grand Mean								85.95	86.32	0.0	0.0
Bartlett's X2								4.961	6.641	0.0	0.0
P(Bartlett's X2)								0.665	0.355	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with AMS and Water Conditioners

Experiment number..... : **C09-12**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : M-LPOST
Date applied [mm/dd/yy] ..... : 5/19/09
Time [hh:mm-hh:mm]..... : 8:35-8:40 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 70/68
Relative humidity [%]..... : 72%
Wind [mph, direction] ..... : 3-5 NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 4-5lf/5-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
ECHCG (120-140 m^{-2})..... : 5-6"/4-5 lf
BRAPP(70-80 m^{-2}) ..... : 3-5"/3-5 lf
AESIN(5-10m^{-2})..... : 4-6"/4-6 lf

Flush Dates ..... : 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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Ricestar HT with AMS and Water Conditioners

Trial ID: C09-12 Protocol ID: C09-12
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							9/Jun/2009	19/Jun/2009	9/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							21daMPOST	31daMPOST	21daMPOST	31daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	74a	39a	80ab	58ab
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	78a	48a	85ab	66a
2		Choice	0.417	% V/V	0.5	PT/A	M-LPOST				
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	71a	38a	76b	55b
3		Quest	0.625	% V/V	0.75	PT/A	M-LPOST				
4		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	79a	48a	84ab	59ab
4		Alliance	1.25	% V/V	1.5	PT/A	M-LPOST				
5		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	83a	46a	89a	56ab
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	M-LPOST				
6		Nontreated						0b	0b	0c	0c
LSD (P=.05)								9.5	14.8	7.6	7.7
Standard Deviation								6.3	9.8	5.1	5.1
CV								9.85	27.04	7.36	10.48
Grand Mean								63.96	36.25	68.96	48.96
Bartlett's X2								2.943	1.51	1.271	0.867
P(Bartlett's X2)								0.567	0.825	0.866	0.929

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with AMS and Water Conditioners

Trial ID: C09-12 Protocol ID: C09-12
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							RICE	RICE
Rating Date							9/Jun/2009	19/Jun/2009
Rating Data Type							INJURY	INJURY
Rating Unit							%	%
Trt-Eval Interval							21daMPOST	31daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
2		Choice	0.417	% V/V	0.5	PT/A	M-LPOST		
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
3		Quest	0.625	% V/V	0.75	PT/A	M-LPOST		
4		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
4		Alliance	1.25	% V/V	1.5	PT/A	M-LPOST		
5		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	M-LPOST		
6		Nontreated						0a	0a
LSD (P=.05)								0.0	0.0
Standard Deviation								0.0	0.0
CV								0.0	0.0
Grand Mean								0.0	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Glyphosphate with AMS and Water Conditioners

Experiment number..... : **C09-13**
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 ..... : 4/14
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29
Uniform std. treatment..... : N/A

Application type..... : M-LPOST
Date applied [mm/dd/yy] ..... : 5/26/09
Time [hh:mm-hh:mm]..... : 8:30-8:45 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 77/78
Relative humidity [%]..... : 91%
Wind [mph, direction] ..... : 2-3 S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/wet
Crop stage/Height ..... : 5lf-2till/6-8"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
BRAPP (50-70 m^{-2}) ..... : 3-6"/3lf-1 til
ECHCG(100-110 m^{-2})..... : 4-6"/3lf-1 til
AESIN(5-10m^{-2})..... : 6-8"/7-10 lf
CYPES(10-30m^{-2}) ..... : 4-6"/5-7 lf

Flush Dates ..... : 4/17, 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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School of Plant, Environmental, and Soil Sciences

Glyphosate with AMS and Water Conditioners

Trial ID: C09-13 Protocol ID: C09-13
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	BRAPP	AESIN	ECLAL
Rating Date								10/Jun/2009	10/Jun/2009	10/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	60ab	70ab	93a	80a
2		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	41c	58b	88a	73a
2		Choice	0.417	% V/V	0.5	PT/A	M-LPOST				
3		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	49bc	64ab	93a	76a
3		Quest	0.625	% V/V	0.75	PT/A	M-LPOST				
4		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	66a	76ab	93a	80a
4		Alliance	1.25	% V/V	1.5	PT/A	M-LPOST				
5		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	75a	85a	91a	81a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	M-LPOST				
6		Nontreated						0d	0c	0b	0b
LSD (P=.05)								12.7	16.5	4.9	9.3
Standard Deviation								8.4	10.9	3.2	6.2
CV								17.4	18.6	4.26	9.49
Grand Mean								48.54	58.75	76.04	65.0
Bartlett's X2								6.615	4.223	1.895	1.746
P(Bartlett's X2)								0.158	0.377	0.755	0.782

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	CYPIR
Rating Date	10/Jun/2009
Rating Data Type	CONTROL
Rating Unit	%
Trt-Eval Interval	15daLPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1	HERB	Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	81ab
2		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	73b
2		Choice	0.417	% V/V	0.5	PT/A	M-LPOST	
3		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	76ab
3		Quest	0.625	% V/V	0.75	PT/A	M-LPOST	
4		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	86a
4		Alliance	1.25	% V/V	1.5	PT/A	M-LPOST	
5		Roundup WeatherMax	0.69	LB AI/A	1	PT/A	M-LPOST	84ab
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	M-LPOST	
6		Nontreated						0c

LSD (P=.05)	9.3
Standard Deviation	6.2
CV	9.29
Grand Mean	66.67
Bartlett's X2	5.087
P(Bartlett's X2)	0.278

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental and Soil Sciences

Ricestar HT with Choice/Quest

Experiment number..... : **C09-14**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : M-LPOST
Date applied [mm/dd/yy] ..... : 5/19/09
Time [hh:mm-hh:mm]..... : 8:05-8:20 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 70/68
Relative humidity [%]..... : 72%
Wind [mph, direction] ..... : 3-5 NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 4-5lf/5-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
ECHCG (120-140 m^{-2})..... : 5-6"/4-5 lf
AESIN(5-10 m^{-2})..... : 4-6"/4-6 lf
BRAPP(70-80 m^{-2}) ..... : 3-5"/3-5 lf

Flush Dates ..... : 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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School of Plant, Environmental, and Soil Sciences

Ricestar HT with Choice/Quest

Trial ID: C09-14 Protocol ID: C09-14
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								9/Jun/2009	19/Jun/2009	9/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								17daMPOST	27daMPOST	17daMPOST	27daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	76a	41a	81a	68a
1		Choice	0	% V/V	0	FL OZ/A					
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
2	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	70a	44a	79a	70a
2		Choice	0.208	% V/V	0.25	PT/A					
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	78a	43a	85a	70a
3		Choice	0.417	% V/V	0.5	PT/A					
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	80a	60a	85a	80a
4		Choice	0.625	% V/V	0.75	PT/A					
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	75a	38a	81a	70a
5		Choice	0.83	% V/V	1	PT/A					
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	84a	58a	89a	73a
6		Choice	1.67	% V/V	1	QT/A					
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	80a	43a	86a	65a
7		Quest	0	% V/V	0	PT/A					
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	76a	48a	84a	70a
8		Quest	0.208	% V/V	0.25	PT/A					
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	75a	45a	84a	75a
9		Quest	0.417	% V/V	0.50	PT/A					
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	78a	40a	85a	70a
10		Quest	0.625	% V/V	0.75	PT/A					
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	76a	40a	85a	73a
11		Quest	0.83	% V/V	1	PT/A					
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	84a	53a	90a	73a
12		Quest	1.67	% V/V	1	QT/A					
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
13	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	81a	60a	86a	75a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST				
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								9/Jun/2009	19/Jun/2009	9/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								17daMPOST	27daMPOST	17daMPOST	27daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
14	HERB	Nontreated						0b	0b	0b	0b
LSD (P=.05)								9.1	19.3	7.7	9.4
Standard Deviation								6.4	13.5	5.4	6.6
CV								8.81	31.01	6.81	9.94
Grand Mean								72.32	43.57	78.57	66.43
Bartlett's X2								8.088	6.374	10.488	4.419
P(Bartlett's X2)								0.778	0.896	0.573	0.956

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

Ricestar HT with Choice/Quest

Trial ID: C09-14 Protocol ID: C09-14
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								RICE	RICE
Rating Date								9/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								17daMPOST	27daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
1		Choice	0	% V/V	0	FL OZ/A			
1	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
2	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
2		Choice	0.208	% V/V	0.25	PT/A			
2	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
3	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
3		Choice	0.417	% V/V	0.5	PT/A			
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
4	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
4		Choice	0.625	% V/V	0.75	PT/A			
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
5	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
5		Choice	0.83	% V/V	1	PT/A			
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
6	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
6		Choice	1.67	% V/V	1	QT/A			
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
7	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
7		Quest	0	% V/V	0	PT/A			
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
8	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
8		Quest	0.208	% V/V	0.25	PT/A			
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
9	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
9		Quest	0.417	% V/V	0.50	PT/A			
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
10	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
10		Quest	0.625	% V/V	0.75	PT/A			
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
11	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
11		Quest	0.83	% V/V	1	PT/A			
11	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
12	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
12		Quest	1.67	% V/V	1	QT/A			
12	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
13	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST	0a	0a
13	HERB	AMS	1.9	LB AI/A	2	LB/A	M-LPOST		
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		

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Pest Code								RICE	RICE
Rating Date								9/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								17daMPOST	27daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
14	HERB	Nontreated						0a	0a
LSD (P=.05)								0.0	0.0
Standard Deviation								0.0	0.0
CV								0.0	0.0
Grand Mean								0.0	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with AMS and Water Conditioners

Experiment number	**C09-15**
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	4/16/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	5/6/09	5/26/09
Time [hh:mm-hh:mm]	10:50-10:04 A	11:20-11:30 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	83/78	80/78
Relative humidity [%]	84%	94%
Wind [mph, direction]	9-10 S	7-9 SW
Weather [sunny, etc]	cloudy	cloudy
Soil/Leaf surface moist	wet/dry	wet/dry
Crop stage/Height	2-3 lf/4-5"	4 lf-1 til/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	15/22	15/22
Applied by	JBH	JBH

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA (50-75 m^{-2})	1-5"/1-3 lf	6-20"/6-10 lf
ECHCG (15-200 m^{-2})	1-4"/1-5 lf	4-8"/5 lf-2 til
CYPIR (25-30 m^{-2})	½-3"/1-6 lf	2-5"/3-6 lf
ALRPH (2-3 m^{-2})	2-10"/5-30 lf	5-12"/15-40 lf
SEBEX (2-5 m^{-2})	2-4"/2-4 lf	6-10"/6-10 lf
AESIN (3-5 m^{-2})	2-3"/2-3 lf	3-5"/3-5 lf
COMDI (3-5 m^{-2})	½-2"/1-4 lf	2-6"/2-6 lf
BRAPP (5-10 m^{-2})	½-3"/2-3 lf	4-6"/4 lf-1 til

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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School of Plant, Environmental, and Soil Sciences

Beyond with AMS and Water Conditioners

Trial ID: C09-15 Protocol ID: C09-15
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							6daLPOST	16daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	50c	89a	80a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	63ab	90a	83a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
2		Choice	0.417	% V/V	0.5	PT/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	55bc	89a	80a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
3		Quest	0.625	% V/V	0.75	PT/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	63ab	91a	80a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	70a	89a	73a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Nontreated						0d	0b	0b
LSD (P=.05)								7.9	2.4	11.0
Standard Deviation								5.3	1.6	7.3
CV								10.54	2.12	11.09
Grand Mean								50.0	74.58	65.83
Bartlett's X2								0.991	0.0	3.485
P(Bartlett's X2)								0.803	.	0.48

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with AMS and Water Conditioners

Trial ID: C09-15 Protocol ID: C09-15
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								6daLPOST	16daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	50c	25b	50a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	63ab	40a	60a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
2		Choice	0.417	% V/V	0.5	PT/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	55bc	35ab	58a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
3		Quest	0.625	% V/V	0.75	PT/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	63ab	45a	53a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	68a	35ab	48a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Nontreated						0d	0c	0b
LSD (P=.05)								6.5	10.8	15.6
Standard Deviation								4.3	7.1	10.4
CV								8.7	23.83	23.26
Grand Mean								49.58	30.0	44.58
Bartlett's X2								0.091	1.538	4.451
P(Bartlett's X2)								0.993	0.82	0.348

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with AMS and Water Conditioners

Trial ID: C09-15 Protocol ID: C09-15
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							SEBEX	SEBEX	SEBEX
Rating Date							1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							6daLPOST	16daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	18a	50a	75a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	28a	60a	85a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
2		Choice	0.417	% V/V	0.5	PT/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	28a	75a	78a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
3		Quest	0.625	% V/V	0.75	PT/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	28a	71a	91a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	30a	50a	66a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Nontreated						0b	0b	0b
LSD (P=.05)								10.5	28.7	21.6
Standard Deviation								7.0	19.1	14.3
CV								32.27	37.37	21.76
Grand Mean								21.67	51.04	65.75
Bartlett's X2								2.198	1.788	9.165
P(Bartlett's X2)								0.699	0.775	0.057

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with AMS and Water Conditioners

Trial ID: C09-15 Protocol ID: C09-15
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							AESIN	AESIN	AESIN
Rating Date							1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							6daLPOST	16daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	50c	88a	86a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	58abc	94a	93a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
2		Choice	0.417	% V/V	0.5	PT/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	53bc	83a	88a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
3		Quest	0.625	% V/V	0.75	PT/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	65a	88a	90a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	60ab	91a	92a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Nontreated						0d	0b	0b
LSD (P=.05)								6.7	17.3	9.9
Standard Deviation								4.5	11.5	6.6
CV								9.42	15.56	8.8
Grand Mean								47.5	73.75	74.88
Bartlett's X2								0.991	12.508	6.408
P(Bartlett's X2)								0.803	0.014*	0.171

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with AMS and Water Conditioners

Trial ID: C09-15 Protocol ID: C09-15
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								6daLPOST	16daLPOST	28daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a	0a	0a
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a	0a	0a
2		Choice	0.417	% V/V	0.5	PT/A	EPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
2		Choice	0.417	% V/V	0.5	PT/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a	0a	0a
3		Quest	0.625	% V/V	0.75	PT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
3		Quest	0.625	% V/V	0.75	PT/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a	0a	0a
4		Alliance	1.25	% V/V	1.5	PT/A	EPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
4		Alliance	1.25	% V/V	1.5	PT/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a	0a	0a
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST			
5		Sprayable AMS	1.9	LB AI/A	2	LB/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Nontreated						0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Experiment number	**C09-16**
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	4/16/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	EPOST	LPOST	PREFLOOD
Date applied [mm/dd/yy]	4/17/09	5/6/09	5/12/09	6/2/09
Time [hh:mm-hh:mm]	9:35-9:40 A	8:20-8:50 A	2:45-3:10 P	9:20-9:30 A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	70/63	79/78	87/79	93/80
Relative humidity [%]	77%	84%	84%	71%
Wind [mph, direction]	7-9 E	7-10 S	1-3 S	1-3 NE
Weather [sunny, etc]	sunny	cloudy	pt cloudy	sunny
Soil/Leaf surface moist	dry/ N/A	wet/dry	moist/dry	dry/dry
Crop stage/Height	PRE/ N/A	1-3 Lf/2-4"	3-4lf/4-6"	1-3til/8-12"
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	15/22	15/22	15/22
Applied by	EPW	EPW	JBH	TPC

Weed Species (population)	---------- (height/#leaves) ----------			
ORYSA (50-75 m^{-2})		1-3"/1-3 lf	3-5"/3-5 lf	2-5"/3lf-1 til
ECHCG (5-10 m^{-2})		1-3"/ 1-3 lf	4-6"/3-5 lf	6-8"/4lf-1 til
CYPIR (75/100 m^{-2})		½ -3"/ 1-4 lf	2-4"/3-8 lf	6-8"/5-12 lf
ALRPH (2-3 m^{-2})		2-10"/ 5-30 lf	8-15"/12-40 lf	10-18"/flowering
SEBEX (2-5 m^{-2})		2-4 "/ 1-4 lf	3-7"/3-7 lf	5-10"/3-14 lf
AESIN (2-5 m^{-2})		2-3"/ 2-3 lf	2-4"/2-4 lf	3-10"/4-10 lf
COMDI (3-5 m^{-2})		½ - 2"/ 1-5 lf	1-3"/2-6 lf	4-8"/4-8 lf
CYPES (20-30 m^{-2})		2-3"/2-3 lf	5-7"/3-5 lf	8-10"/flowering
CNPPA (10-20 m^{-2})		½-2"/cot-1 lf	1-2"/1-2 lf	3-8"/4-8 lf
ECLAL (5-10 m^{-2})				½-4"/2-10 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Experiment number..... : **C09-16**
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 ..... : 4/16/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : PI+14d
Date applied [mm/dd/yy] ..... : 7/6/09
Time [hh:mm-hh:mm]..... : 9:30-9:45 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84.5/83
Relative humidity [%]..... : 86.5%
Wind [mph, direction] ..... : 5-7 E
Weather [sunny, etc] ..... : pt cloudy
Soil/Leaf surface moist..... : flood/dry
Crop stage/Height ..... : PI+14d/24-32"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
ORYSA (50-75 m^{-2})..... : 10-18"/boot
ECHCG (5-10 m^{-2})..... : 10-18"/flowering
CYPIR (75/100 m^{-2})..... : 10-15"/flowering
ALRPH (2-3 m^{-2})..... : 10-15"/flowering
SEBEX (2-5 m^{-2})……..... : 12-18"/flowering
AESIN (2-5 m^{-2})……..... : 12-16"/flowering
COMDI (3-5 m^{-2})……..... : 8-15"/flowering
CYPES (20-30 m^{-2}) ..... : 10-15"/flowering
CNPPA (10-20 m^{-2}) ..... : 6-10"/flowering
ECLAL (5-10 m^{-2}) ..... : 6-10"/flowering

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ORYSA	ORYSA	ORYSA
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Check						0b	0b	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	94a	96a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	94a	97a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	94a	96a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	94a	97a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	94a	95a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	95a	97a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84a	94a	97a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	94a	94a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	95a	97a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	96a	97a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	96a	97a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	89a	96a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	90a	95a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	89a	94a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	94a	97a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								4.6	5.0	2.8
Standard Deviation								3.2	3.5	2.0
CV								3.87	4.0	2.2
Grand Mean								82.34	87.41	89.88
Bartlett's X2								7.491	22.797	8.381
P(Bartlett's X2)								0.875	0.044*	0.869

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Check						0d	0d	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85abc	93abc	95a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88ab	93abc	97a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84abc	90abc	90a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84abc	95ab	95a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	91abc	94a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85abc	95ab	96a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81c	94abc	95a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84abc	93abc	91a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85abc	95ab	97a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88ab	96a	95a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	83bc	95ab	96a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81c	89bc	92a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85abc	88c	91a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86abc	88c	91a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84abc	95ab	97a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								3.5	4.0	5.3
Standard Deviation								2.4	2.8	3.7
CV								3.06	3.26	4.23
Grand Mean								79.38	86.64	88.22
Bartlett's X2								2.519	6.468	22.151
P(Bartlett's X2)								0.998	0.891	0.076

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								SEBEX	SEBEX	SEBEX
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Check						0c	0b	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	25b	46a	26a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	35ab	43a	21a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	45a	25a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	41a	24a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	44a	18a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	35ab	39a	18a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	39a	25a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							SEBEX	SEBEX	SEBEX
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	41a	20a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	45a	36a	25a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	45a	41a	26a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	20bc	41a	20a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	20bc	38a	18a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	20bc	36a	18a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	40a	24a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							SEBEX	SEBEX	SEBEX
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0c	46a	24a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								14.2	14.5	9.4
Standard Deviation								9.9	10.2	6.6
CV								64.71	26.38	31.94
Grand Mean								15.31	38.52	20.63
Bartlett's X2								4.412	14.468	9.928
P(Bartlett's X2)								0.731	0.415	0.622

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								AESIN	AESIN	AESIN	ALRPH
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009	1/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD	22daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Check						0b	0b	0b	0c
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	80a	56a	25a	58ab
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	56a	19a	70ab
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf				
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf				
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	78a	56a	26a	65ab
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf				
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	64a	25a	58ab
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf				
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	59a	20a	43b
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf				
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81a	50a	18a	75a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf				
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf				
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	78a	61a	25a	45ab
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL				
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				

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Pest Code							AESIN	AESIN	AESIN	ALRPH
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009	1/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD	22daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	84a	63a	25a	45ab
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL				
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	55a	25a	55ab
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf				
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf				
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL				
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	59a	28a	58ab
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf				
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL				
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	83a	59a	25a	68ab
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf				
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL				
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	60a	18a	60ab
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf				
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	54a	20a	70ab
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf				
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf				
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	61a	24a	60ab
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf				
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf				
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				

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Pest Code							AESIN	AESIN	AESIN	ALRPH
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009	1/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD	22daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81a	60a	24a	60ab
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf				
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf				
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf				
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf				
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL				
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL				
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d				
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d				
LSD (P=.05)								10.1	9.7	11.2	17.5
Standard Deviation								7.1	6.8	7.9	12.2
CV								9.1	12.45	36.42	22.07
Grand Mean								77.97	54.53	21.56	55.47
Bartlett's X2								22.832	17.32	5.591	15.79
P(Bartlett's X2)								0.063	0.138	0.935	0.326

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								ECLAL	ECLAL
Rating Date								10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		Check						0b	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE		
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	41a	25ab
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48a	38a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf		
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf		
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	50a	24ab
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf		
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	45a	38a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf		
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	59a	38a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf		
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	54a	33a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf		
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf		
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	41a	28ab
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL		
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	41a	28ab
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL		
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		

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Pest Code							ECLAL	ECLAL
Rating Date							10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	56a	48a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf		
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf		
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL		
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48a	33a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf		
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL		
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	60a	39a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf		
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL		
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	41a	23ab
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf		
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d		
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d		
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	45a	25ab
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf		
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf		
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	41a	21ab
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf		
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf		
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d		
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	48a	30ab
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf		
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf		
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf		
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf		
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL		
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL		
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d		
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d		

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Pest Code								ECLAL	ECLAL
Rating Date								10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
LSD (P=.05)								14.4	18.7
Standard Deviation								10.1	13.1
CV								22.47	44.81
Grand Mean								44.84	29.14
Bartlett's X2								21.372	13.535
P(Bartlett's X2)								0.092	0.485

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 1/Jun/2009 CONTROL % 22daMPOST	CYPIR 10/Jun/2009 CONTROL % 8daPREFLD	CYPIR 23/Jun/2009 CONTROL % 21daPREFLD
1		Check						0b	0b	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	96a	97a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	96a	97a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	97a	97a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	97a	97a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	98a	96a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	97a	97a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81a	97a	98a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							CYPIR	CYPIR	CYPIR
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81a	98a	98a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	97a	98a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	97a	98a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	97a	98a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	83a	97a	98a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	95a	97a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	83a	96a	97a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							CYPIR	CYPIR	CYPIR
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	81a	97a	97a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								7.8	2.5	1.7
Standard Deviation								5.5	1.8	1.2
CV								6.81	1.94	1.29
Grand Mean								80.36	90.53	91.22
Bartlett's X2								17.586	5.965	0.241
P(Bartlett's X2)								0.226	0.918	1.00

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CNPPA	CNPPA	CNPPA
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Check						0b	0b	0b
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	94a	91a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	95a	90a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	85a	95a	90a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	96a	90a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	96a	90a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	93a	89a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	95a	90a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							CNPPA	CNPPA	CNPPA
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	95a	90a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	96a	90a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	89a	97a	90a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	95a	91a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	96a	90a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	95a	90a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	86a	96a	90a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							CNPPA	CNPPA	CNPPA
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	88a	95a	91a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								5.0	2.9	1.7
Standard Deviation								3.5	2.0	1.2
CV								4.19	2.3	1.38
Grand Mean								82.81	89.09	84.53
Bartlett's X2								1.742	11.494	0.0
P(Bartlett's X2)								0.973	0.243	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Evaluation of Red Rice Control and Other Weed Species in Planned Newpath/Beyond Program

Trial ID: C09-16 Protocol ID: C09-16
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Check						0a	0a	0a
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
2	ADJ	Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
2		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
3		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
3		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
3		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
4		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
4		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
5		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
5		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
6	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
6		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
7		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
7		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
7		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
7		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
8		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
8		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			

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Pest Code							RICE	RICE	RICE
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
9		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
9		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
9		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
9		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
10		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
10		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
10		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
10		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
10		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	2-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
11		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
11		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
11		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
12		Newpath	0.094	LB AI/A	6	FL OZ/A	4-leaf			
12		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
12		Beyond	0.039	LB AI/A	5	FL OZ/A	PREFL			
12		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
13		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
13		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
13		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
13		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
14		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
14		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
14		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
14		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
15		Beyond	0.039	LB AI/A	5	FL OZ/A	2-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	4-leaf			
15		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
15		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
15		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			

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Pest Code							RICE	RICE	RICE
Rating Date							1/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							22daMPOST	8daPREFLD	21daPREFLD
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
16		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	2-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	2-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	4-leaf			
16		Agridex	1	% V/V	19.2	FL OZ/A	4-leaf			
16		Newpath	0.0625	LB AI/A	4	FL OZ/A	PREFL			
16		Agridex	1	% V/V	19.2	FL OZ/A	PREFL			
16		Beyond	0.039	LB AI/A	5	FL OZ/A	PI+14d			
16		Agridex	1	% V/V	19.2	FL OZ/A	PI+14d			
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Beyond with Broadleaf Tankmix

Experiment number	**C09-17**
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	4/16
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	5/6/09	5/27/09
Time [hh:mm-hh:mm]	9:45-10:20 A	9:50-10:30 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	83/78	84/79
Relative humidity [%]	84%	90%
Wind [mph, direction]	9-10 S	1-2 NW
Weather [sunny, etc]	cloudy	cloudy
Soil/Leaf surface moist	wet/dry	wet/wet
Crop stage/Height	2-3 Lf/ 4-6"	5lf-1til/6-8"
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
Applied by	EPW	JBH

Weed Species (population)	---------- (height/#leaves) ----------	
BRAPP (100-150 m^{-2})	¼-½"/ 1-3 lf	2-4"/4-6 lf
ECHCG (100-150 m^{-2})	½ -3"/2-4 lf	6-8"/5lf-2 til
ORYSA (20-40 m^{-2})	3-6"/ 2-3 lf	6-8"/5lf-2 til
MEOCO (30-40 m^{-2})	½-1"/cot-2 lf	2-5"/2-6 lf
COMDI (3-5 m^{-2})	½-2"/ 1-4 lf	2-6"/3-5 lf
AESIN (3-5m^{-2})	2-3"/2-3 lf	3-5"/3-5 lf
SEBEX (2-5 m^{-2})	2-4"/2-4 lf	4-8"/6-8 lf
ALRPH (2-3 m^{-2})	2-10"/5-30 lf	4-12"/10-40 lf
CYPIR (25-30 m^{-2})	½-3"/1-6 lf	3-5"/5-8 lf
ECLAL (10-15m^{-2})	½ -1"/coty-1 lf	1-3"/2-4 lf
CNPPA (8-10 m^{-2})		½-2"/coty-2 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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Beyond With Broadleaf Tankmix

Trial ID: C09-17 Protocol ID: C09-17
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ORYSA	ECHCG	CYPIR	ALRPH
Rating Date								11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0d	0d	0b	0b
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	90abc	35c	95a	94a
2	HERB	Stam SC	3	LB AI/A	96	FL OZ/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	33c	96a	95a
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	89abc	33c	95a	95a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	86bc	30c	95a	95a
5		Strada	0.0656	LB AI/A	2.1	OZ WT/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	89abc	30c	95a	94a
6		Aim	0.0156	LB AI/A	1	FL OZ/A	EPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	35c	94a	94a
7		V-10142	0.2	LB AI/A	4.27	OZ WT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	30c	95a	95a
8		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	55b	94a	95a
9		Regiment	0.025	LB AI/A	0.5	OZ WT/A	EPOST				
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code								ORYSA	ECHCG	CYPIR	ALRPH
Rating Date								11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	84c	83a	95a	94a
10	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	43c	95a	95a
11	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	33c	94a	95a
12		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
12		Permit	0.0234	LB AI/A	0.5	OZ WT/A	LPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	91ab	33c	95a	95a
13		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
13		Strada	0.0656	LB AI/A	2.1	OZ WT/A	LPOST				
13		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
14		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	91ab	38c	94a	95a
14		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
14		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
14		Aim	0.0156	LB AI/A	1	FL OZ/A	LPOST				
14		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	89abc	35c	95a	95a
15		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
15		V-10142	0.2	LB AI/A	4.27	OZ WT/A	LPOST				
15		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
16		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	88abc	35c	95a	95a
16		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
16		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
16		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	LPOST				
16		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
17		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	94a	75a	95a	94a
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
17		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
17		Regiment	0.025	LB AI/A	0.5	OZ WT/A	LPOST				
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				
18		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	91ab	84a	95a	94a
18		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
18		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
18		SuperWham	3	LB AI/A	96	FL OZ/A	LPOST				
18		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code							ORYSA	ECHCG	CYPIR	ALRPH
Rating Date							11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
19		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	90abc	40c	95a	95a
19		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
19		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
19		Grasp	0.0313	LB AI/A	2	FL OZ/A	LPOST				
19		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
LSD (P=.05)								3.8	8.8	1.3	1.9
Standard Deviation								2.7	6.2	0.9	1.3
CV								3.18	15.18	1.0	1.47
Grand Mean								84.8	40.86	89.88	89.72
Bartlett's X2								5.237	9.248	13.731	22.498
P(Bartlett's X2)								0.919	0.754	0.056	0.007*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								COMDI	SEBEX	AESIN	MEOCO
Rating Date								11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0b	0c	0b	0b
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	95a	75a	94a	95a
2	HERB	Stam SC	3	LB AI/A	96	FL OZ/A	EPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	53b	91a	95a
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	94a	95a	95a	95a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	EPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	94a	95a	96a
5		Strada	0.0656	LB AI/A	2.1	OZ WT/A	EPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	88a	93a	95a
6		Aim	0.0156	LB AI/A	1	FL OZ/A	EPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
6		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	96a	94a	95a	94a
7		V-10142	0.2	LB AI/A	4.27	OZ WT/A	EPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	80a	94a	94a
8		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	90a	94a	95a
9		Regiment	0.025	LB AI/A	0.5	OZ WT/A	EPOST				
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
9		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	94a	88a	91a	94a
10	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code								COMDI	SEBEX	AESIN	MEOCO
Rating Date								11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	93a	94a	95a
11	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	95a	95a	95a
12		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
12		Permit	0.0234	LB AI/A	0.5	OZ WT/A	LPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	93a	95a	95a
13		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
13		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
13		Strada	0.0656	LB AI/A	2.1	OZ WT/A	LPOST				
13		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
14		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	93a	93a	95a
14		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
14		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
14		Aim	0.0156	LB AI/A	1	FL OZ/A	LPOST				
14		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	94a	95a	95a
15		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
15		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
15		V-10142	0.2	LB AI/A	4.27	OZ WT/A	LPOST				
15		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
16		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	86a	94a	95a
16		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
16		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
16		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	LPOST				
16		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
17		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	96a	94a	95a	95a
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
17		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
17		Regiment	0.025	LB AI/A	0.5	OZ WT/A	LPOST				
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				
18		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	93a	95a	95a
18		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
18		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
18		SuperWham	3	LB AI/A	96	FL OZ/A	LPOST				
18		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
19		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	95a	95a	95a	95a
19		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
19		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
19		Grasp	0.0313	LB AI/A	2	FL OZ/A	LPOST				
19		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code							COMDI	SEBEX	AESIN	MEOCO
Rating Date							11/Jun/2009	11/Jun/2009	11/Jun/2009	11/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15daLPOST	15daLPOST	15daLPOST	15daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
LSD (P=.05)							1.0	11.7	3.4	0.9
Standard Deviation							0.7	8.3	2.4	0.7
CV							0.75	9.93	2.7	0.73
Grand Mean							90.03	83.62	89.01	89.92
Bartlett's X2							8.899	47.73	9.404	3.804
P(Bartlett's X2)							0.179	0.001*	0.309	0.433

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

Pest Code	RICE
Rating Date	11/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	15daLPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Nontreated						0a
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	0a
2	HERB	Stam SC	3	LB AI/A	96	FL OZ/A	EPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
3		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
3		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
4		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
4		Permit	0.0234	LB AI/A	0.5	OZ WT/A	EPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
4		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
5		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
5		Strada	0.0656	LB AI/A	2.1	OZ WT/A	EPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
6		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
6		Aim	0.0156	LB AI/A	1	FL OZ/A	EPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
6		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
7		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
7		V-10142	0.2	LB AI/A	4.27	OZ WT/A	EPOST	
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
7		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
7		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
8		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
8		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	EPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
9		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
9		Regiment	0.025	LB AI/A	0.5	OZ WT/A	EPOST	
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST	
9		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
9		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST	
10		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
10	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST	
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
10		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	

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Pest Code	RICE
Rating Date	11/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	15daLPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
11		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
11	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	EPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
12		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
12		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
12		Permit	0.0234	LB AI/A	0.5	OZ WT/A	LPOST	
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
13		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
13		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
13		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
13		Strada	0.0656	LB AI/A	2.1	OZ WT/A	LPOST	
13		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
14		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
14		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
14		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
14		Aim	0.0156	LB AI/A	1	FL OZ/A	LPOST	
14		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
15		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
15		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
15		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
15		V-10142	0.2	LB AI/A	4.27	OZ WT/A	LPOST	
15		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
16		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
16		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
16		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
16		Grandstand	0.25	LB AI/A	10.7	FL OZ/A	LPOST	
16		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
17		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST	
17		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
17		Regiment	0.025	LB AI/A	0.5	OZ WT/A	LPOST	
17		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST	
18		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
18		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
18		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
18		SuperWham	3	LB AI/A	96	FL OZ/A	LPOST	
18		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
19		Beyond	0.039	LB AI/A	5	FL OZ/A	EPOST	0a
19		Agridex	1	% V/V	19.2	FL OZ/A	EPOST	
19		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
19		Grasp	0.0313	LB AI/A	2	FL OZ/A	LPOST	
19		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	

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Pest Code	RICE
Rating Date	11/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	15daLPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
LSD (P=.05)								0.0
Standard Deviation								0.0
CV								0.0
Grand Mean								0.0
Bartlett's X2								0.0
P(Bartlett's X2)								.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Effectiveness of V-10142 on Sprangletop Control

Experiment number	**C09-18**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	PRE	4DAPRE	7DAPRE	EPOST
Date applied [mm/dd/yy]	4/15/09	4/24/09	4/27/09	5/11/09
Time [hh:mm-hh:mm]	3:40-3:50 P	8:40-9:00 A	9:35-9:40 A	2:35-2:45 P
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	72/62	74/70	78/78	88/84
Relative humidity [%]	54%	87%	91%	69%
Wind [mph, direction]	2-3 E	4-6 SE	5-8 SE	4-6 SW
Weather [sunny, etc]	sunny	sunny	cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/N/A	wet/N/A	dry/dry
Crop stage/Height	PRE/ N/A	PRE/N/A	PRE/N/A	3-4
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	15/22	15/22	15/22
Applied by	EPW	EPW	EPW	Hensley

Weed Species (population)	---------- (height/#leaves) ----------
ECHCG (10-25 m^{-2})	1-2"/1-3 lf
BRAPP (75-100 m^{-2})	1-4"/2-4 lf
LEFPA (3-6 m^{-2})	1-4"/2-6 lf
AESIN (3-5 m^{-2})	1-4"/2-4 lf
CYPES (4-6 m^{-2})	3-6"/3-9 lf
CYPIR (10-30 m^{-2})	1-2"/1-3 lf

Flush Dates	4/16, 5/15, 5/29
Permanent Flood	6/8

*AMFF – Air mix flat fan nozzles

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Effectiveness of V-10142 on Sprangletop Control

Trial ID: C09-18 Protocol ID: C09-18
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							10/Jun/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							30daMPOST	42daMPOST	30daMPOST	42daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0b	0b	0b	0b
1		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
1		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
2		V-10142	0.1	LB AI/A	2.13	OZ WT/A	PRE	94a	61a	86a	48a
2		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
2		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	94a	65a	89a	68a
3		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
3		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	94a	83a	79a	68a
4		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
4		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
5		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	95a	65a	85a	58a
5		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
5		V-10142	0.1	LB AI/A	2.13	OZ WT/A	7DAPRE				
5		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
6		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	90a	60a	78a	60a
6		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
6		V-10142	0.2	LB AI/A	4.27	OZ WT/A	7DAPRE				
6		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
7		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	93a	58a	85a	53a
7		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
7		V-10142	0.3	LB AI/A	6.4	OZ WT/A	7DAPRE				
7		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
8		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	94a	58a	89a	58a
8		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
8		V-10142	0.1	LB AI/A	2.13	OZ WT/A	EPOST				
8		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				
9		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	93a	65a	76a	63a
9		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
9		V-10142	0.2	LB AI/A	4.27	OZ WT/A	EPOST				
9		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				
10		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	95a	73a	93a	75a
10		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
10		V-10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
10		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				

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Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								10/Jun/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								30daMPOST	42daMPOST	30daMPOST	42daMPOST
Trt No.	Treatment Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
LSD (P=.05)								3.4	18.7	15.8	20.4
Standard Deviation								2.3	12.9	10.9	14.1
CV								2.76	21.93	14.36	25.73
Grand Mean								83.95	58.63	75.88	54.75
Bartlett's X2								0.44	14.222	9.495	8.592
P(Bartlett's X2)								0.998	0.076	0.302	0.378

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code							ALRPH	ALRPH	RICE	RICE
Rating Date							10/Jun/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							30daMPOST	42daMPOST	30daMPOST	42daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0d	0b	0a	0a
1		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
1		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
2		V-10142	0.1	LB AI/A	2.13	OZ WT/A	PRE	83a	58a	0a	0a
2		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
2		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
3		V-10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	35c	58a	0a	0a
3		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
3		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
4		V-10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	5d	75a	0a	0a
4		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE				
4		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
5		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	5d	60a	0a	0a
5		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
5		V-10142	0.1	LB AI/A	2.13	OZ WT/A	7DAPRE				
5		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
6		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	5d	60a	0a	0a
6		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
6		V-10142	0.2	LB AI/A	4.27	OZ WT/A	7DAPRE				
6		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
7		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	5d	50a	0a	0a
7		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
7		V-10142	0.3	LB AI/A	6.4	OZ WT/A	7DAPRE				
7		NIS	0.25	% V/V	4.8	FL OZ/A	7DAPRE				
8		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	5d	60a	0a	0a
8		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
8		V-10142	0.1	LB AI/A	2.13	OZ WT/A	EPOST				
8		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				
9		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	5d	68a	0a	0a
9		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
9		V-10142	0.2	LB AI/A	4.27	OZ WT/A	EPOST				
9		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				
10		Facet	0.56	LB AI/A	0.75	LB/A	4DAPRE	65b	73a	0a	0a
10		Agri-dex	1	% V/V	19.2	FL OZ/A	4DAPRE				
10		V-10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
10		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST				
LSD (P=.05)								14.1	24.8	0.0	0.0
Standard Deviation								9.7	17.1	0.0	0.0
CV								45.71	30.55	0.0	0.0
Grand Mean								21.25	56.0	0.0	0.0
Bartlett's X2								2.15	5.52	0.0	0.0
P(Bartlett's X2)								0.341	0.701	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Control of Sprangletop with Propanil

Experiment number	**C09-19**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29
Uniform std. treatment	N/A

Application type	PRE	VEPOST	EPOST	MPOST
Date applied [mm/dd/yy]	4/14/09	5/5/09	5/11/09	5/13/09
Time [hh:mm-hh:mm]	3:50-3:55 P	8:50-9:00 A	2:25-2:35 P	11:05-11:15 A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	72/62	79/76	88/84	82/80
Relative humidity [%]	54%	88%	69%	75%
Wind [mph, direction]	2-3 E	0-2 SE	4-6 SW	3-7 S
Weather [sunny, etc]	sunny	pt cloudy	pt cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/wet	dry/dry	dry/dry
Crop stage/Height	PRE/ N/A	1-2lf/3-4"	3-4lf/4-6"	3-4lf/4-6"
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	15/22	15/22	15/22
Applied by	EPW	EPW	JBH	TPC

Weed Species (population)	---------- (height/#leaves) ----------			
LEFPA(1-5m^{-2})		½-3/4"/coty	1-2"/2-4 lf	1-2"/1-2 lf
BRAPP(20-30 m^{-2})		½-1"/coty-1 lf	¼-2"/2-5 lf	4-6"/5lf-1 til
ECHCG(90-100m^{-2})			¼-1"/1-3 lf	3-6"/3-5 lf
AESIN(3-5m^{-2})			½-2"/2-4 lf	2-3"/2-3 lf
ECLAL(10-20m^{-2})				½-1"/1-2 lf
ALRPH(5-10m^{-2})			3-5"/1-2 lf	4-6"/3-15 lf
CNPPA(3-5m^{-2})			1-2"/1-2 lf	2-3"/2-3 lf
CYPES(3-5m^{-2})			3-6"/3-9 lf	4-7"/4-7 lf
CYPIR(35-50m^{-2})			½-2"/1-6 lf	1-2"/1-7 lf

Flush Dates	4/16, 5/15, 5/29
Permanent Flood	6/8

*AMFF – Air mix flat fan nozzles

Control of Sprangletop with Propanil

Experiment number..... : **C09-19**
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 ..... : 4/14/09
Harvest date ……..…: N/A
Crop/Variety……: CL131
Emergence date……: 4/29
Uniform std. treatment……...: N/A

Application type..... : LPOST
Date applied [mm/dd/yy] ..... : 5/26/09
Time [hh:mm-hh:mm]..... : 9:00-9:15 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 77/78
Relative humidity [%]..... : 91%
Wind [mph, direction] ..... : 2-3 S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/wet
Crop stage/Height ..... : 5lf-2till/6-8"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population) ..... :- (height/#leaves) -
LEFPA(1-5m^{-2}) ..... : 2-4"/2-4 lf
BRAPP(20-30 m^{-2}) ..... : 5-8"/4 lf-1 til
ECHCG(90-100m^{-2})..... : 4-8"/4 lf-1 til
AESIN(3-5m^{-2})..... : 3-5"/3-5 lf
ECLAL(10-20m^{-2})…….. ..... : 2-4"/2-4 lf
ALRPH(5-10m^{-2})……..... : 5-8"/5-30 lf
CNPPA(3-5m^{-2})…….. ..... : 3-5"/3-5 lf
CYPES(3-5m^{-2})……..... : 5-9"/6-10 lf
CYPIR(35-50m^{-2})……..... : 3-6"/4-8 lf

Flush Dates ..... :
Permanent Flood..... :

*AMFF – Air mix flat fan nozzles

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Control of Sprangletop with Propanil

Trial ID: C09-19 Protocol ID: C09-19
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0b	0b	0b
1		Check								
1		VEPOST								
2	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0b	0b	0b
2		Check								
2		EPOST								
3	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0b	0b	0b
3		Check								
3		MPOST								
4	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0b	0b	0b
4		Check								
4		LPOST								
5	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	55a	94a	80a
5	HERB	Stam M4	2	LB AI/A	2	QT/A				
5		VEPOST								
6	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	63a	96a	85a
6	HERB	Stam M4	2	LB AI/A	2	QT/A				
6		EPOST								
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	63a	98a	93a
7	HERB	Stam M4	2	LB AI/A	2	QT/A				
7		MPOST								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		89a	80a
8	HERB	Stam M4	2	LB AI/A	2	QT/A				
8		LPOST								
9	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	65a	96a	83a
9	HERB	Stam M4	3	LB AI/A	3	QT/A				
9		VEPOST								
10	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	73a	98a	90a
10	HERB	Stam M4	3	LB AI/A	3	QT/A				
10		EPOST								
11	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	65a	98a	90a
11	HERB	Stam M4	3	LB AI/A	3	QT/A				
11		MPOST								
12	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		93a	89a
12	HERB	Stam M4	3	LB AI/A	3	QT/A				
12		LPOST								
13	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	64a	97a	84a
13	HERB	Stam M4	4	LB AI/A	4	QT/A				
13		VEPOST								

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Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	68a	97a	89a
14	HERB	Stam M4	4	LB AI/A	4	QT/A				
14		EPOST								
15	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	55a	98a	88a
15	HERB	Stam M4	4	LB AI/A	4	QT/A				
15		MPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		91a	88a
16	HERB	Stam M4	4	LB AI/A	4	QT/A				
16		LPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE			
17	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	55a	98a	88a
18	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	55a	97a	90a
18	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST			
LSD (P=.05)								17.5	6.6	11.5
Standard Deviation								12.3	4.7	8.1
CV								27.1	6.27	12.08
Grand Mean								45.25	74.39	67.43
Bartlett's X2								4.552	23.809	18.655
P(Bartlett's X2)								0.919	0.002*	0.097

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Control of Sprangletop with Propanil

Trial ID: C09-19 Protocol ID: C09-19
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0c	0b	0b
1		Check								
1		VEPOST								
2	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0c	0b	0b
2		Check								
2		EPOST								
3	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0c	0b	0b
3		Check								
3		MPOST								
4	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0c	0b	0b
4		Check								
4		LPOST								
5	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0c	76a	13ab
5	HERB	Stam M4	2	LB AI/A	2	QT/A				
5		VEPOST								
6	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	44a	79a	13ab
6	HERB	Stam M4	2	LB AI/A	2	QT/A				
6		EPOST								
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	55a	85a	20ab
7	HERB	Stam M4	2	LB AI/A	2	QT/A				
7		MPOST								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		83a	20ab
8	HERB	Stam M4	2	LB AI/A	2	QT/A				
8		LPOST								
9	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	55a	85a	18ab
9	HERB	Stam M4	3	LB AI/A	3	QT/A				
9		VEPOST								
10	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	53a	84a	30a
10	HERB	Stam M4	3	LB AI/A	3	QT/A				
10		EPOST								
11	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	38a	83a	15ab
11	HERB	Stam M4	3	LB AI/A	3	QT/A				
11		MPOST								
12	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		83a	23ab
12	HERB	Stam M4	3	LB AI/A	3	QT/A				
12		LPOST								
13	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	48a	75a	23ab
13	HERB	Stam M4	4	LB AI/A	4	QT/A				
13		VEPOST								

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Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	48a	86a	20ab
14	HERB	Stam M4	4	LB AI/A	4	QT/A				
14		EPOST								
15	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	18bc	85a	15ab
15	HERB	Stam M4	4	LB AI/A	4	QT/A				
15		MPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		78a	30a
16	HERB	Stam M4	4	LB AI/A	4	QT/A				
16		LPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE			
17	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	30ab	81a	0b
18	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	40a	81a	15ab
18	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST			
LSD (P=.05)								15.9	7.7	13.6
Standard Deviation								11.1	5.5	9.6
CV								39.23	8.62	68.79
Grand Mean								28.42	63.47	14.03
Bartlett's X2								11.326	17.278	14.813
P(Bartlett's X2)								0.254	0.187	0.252

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Control of Sprangletop with Propanil

Trial ID: C09-19 Protocol ID: C09-19
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
1		Check								
1		VEPOST								
2	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
2		Check								
2		EPOST								
3	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
3		Check								
3		MPOST								
4	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
4		Check								
4		LPOST								
5	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
5	HERB	Stam M4	2	LB AI/A	2	QT/A				
5		VEPOST								
6	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
6	HERB	Stam M4	2	LB AI/A	2	QT/A				
6		EPOST								
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
7	HERB	Stam M4	2	LB AI/A	2	QT/A				
7		MPOST								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		0a	0a
8	HERB	Stam M4	2	LB AI/A	2	QT/A				
8		LPOST								
9	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
9	HERB	Stam M4	3	LB AI/A	3	QT/A				
9		VEPOST								
10	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
10	HERB	Stam M4	3	LB AI/A	3	QT/A				
10		EPOST								
11	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
11	HERB	Stam M4	3	LB AI/A	3	QT/A				
11		MPOST								
12	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		0a	0a
12	HERB	Stam M4	3	LB AI/A	3	QT/A				
12		LPOST								
13	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
13	HERB	Stam M4	4	LB AI/A	4	QT/A				
13		VEPOST								

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Pest Code								RICE	RICE	RICE
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	15daLPOST	27daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
14	HERB	Stam M4	4	LB AI/A	4	QT/A				
14		EPOST								
15	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
15	HERB	Stam M4	4	LB AI/A	4	QT/A				
15		MPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE		0a	0a
16	HERB	Stam M4	4	LB AI/A	4	QT/A				
16		LPOST								
16	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE			
17	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	0a	0a	0a
18	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	PRE	0a	0a	0a
18	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST			
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Experiment number..... : **C09-20**
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 ..... : 4/14
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29
Uniform std. treatment..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 5/12/09
Time [hh:mm-hh:mm]..... : 10:15-11:00 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84/79
Relative humidity [%]..... : 84%
Wind [mph, direction] ..... : 1-3, E
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : moist/wet
Crop stage/Height ..... : 3-4"/3-4lf
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
ECHCG (120-140 m^{-2})..... : 4-6"/4-6 lf
BRAPP(70-80 m^{-2}) ..... : 2-4"/2-4 lf
LEFPA(50-70m^{-2}) ..... : 3-5"/2-4 lf
ALRPH(10-20m^{-2})..... : 4-6"/15-30 lf
ECLAL(10-15m^{-2})……. ..... : 1-2"/2-3 lf

Flush Dates ..... : 5/8, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	25e	0e	0c
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	58d	0e	0c
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	23e	0e	0c
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	58d	55c	0c
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	25e	40d	0c
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	80abc	70b	38b
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	64cd	43d	0c
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	79abc	69b	43b
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	73a-d	30d	0c
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	76abc	71b	55ab
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	76abc	79ab	43b
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	66bcd	43d	0c
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	85ab	76ab	53ab
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	85ab	81ab	63a
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	76abc	40d	0c
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	89a	88a	55ab
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	80abc	40d	0c
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	84ab	79ab	69a
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	70a-d	81ab	43b
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	63cd	40d	0c
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	78abc	79ab	63a
24		No Broadleaf Herbicide								
LSD (P=.05)								11.2	9.8	12.2
Standard Deviation								7.9	6.9	8.7
CV								13.45	15.1	39.88
Grand Mean								58.75	45.94	21.72
Bartlett's X2								24.359	18.459	14.479
P(Bartlett's X2)								0.227	0.36	0.106

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	18ef	0e	0c
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	48d	0e	0c
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	55cd	60bcd	0c
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	25e	45d	0c
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0e	0c
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	78abc	91a	48b
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	60bcd	53bcd	0c
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	71abc	86a	45b
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	71abc	48cd	0c
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	70abc	83a	63ab
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	71abc	84a	45b
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	61a-d	63bc	0c
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	83ab	83a	58ab
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	78abc	88a	73a
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	73abc	63bc	0c
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	85a	95a	60ab
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	75abc	66b	0c
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	83ab	85a	75a
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	68a-d	89a	45b
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	58cd	58bcd	0c
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	74abc	89a	70a
24		No Broadleaf Herbicide								
LSD (P=.05)								13.8	10.8	14.6
Standard Deviation								9.8	7.6	10.4
CV								18.05	13.81	42.88
Grand Mean								54.22	55.21	24.15
Bartlett's X2								26.456	24.764	12.538
P(Bartlett's X2)								0.118	0.074	0.185

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								LEFPA	LEFPA	LEFPA
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0e	0e	0d
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	20e	0e	0d
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0e	0e	0d
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	38d	0e	0d
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0e	0e	0d
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	43d	0e	0d
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	20e	35cd	0d
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0e	0e	0d
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	78ab	70ab	78a
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	60bc	70ab	0d
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	71abc	78ab	84a
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	70abc	65b	0d
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	70abc	65b	68a
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								LEFPA	LEFPA	LEFPA
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	70abc	25d	25c
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	61bc	0e	0d
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	83ab	71ab	48b
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	79ab	84ab	80a
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	74ab	48c	0d
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	86a	88a	70a
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	74ab	65b	0d
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	83ab	76ab	75a
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	66abc	0e	38b
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	50cd	28d	0d
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	73ab	78ab	78a
24		No Broadleaf Herbicide								
LSD (P=.05)								14.0	13.1	12.2
Standard Deviation								9.9	9.2	8.6
CV								18.79	23.51	32.31
Grand Mean								52.76	39.32	26.7
Bartlett's X2								24.088	20.146	19.564
P(Bartlett's X2)								0.117	0.092	0.012*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	43de	0c
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	79ab	0f	0c
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	35de	86a	0c
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	80ab	85a	0c
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	43de	63bcd	0c
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	75ab	88a	0c
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	28e	0f	0c
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0f	0c
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	45de	48cde	0c
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	68bc	75ab	0c
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	48de	28e	0c
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	88ab	65abc	0c
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	53cd	0f	0c
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	79ab	75ab	60b
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	0f	0c
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	0f	0c
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0f	0c
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	78ab	88a	0c
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	45de	45cde	0c
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	88ab	89a	0c
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	55cd	0f	0c
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	89a	85a	73a
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	30e	0f	0c
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0f	0c
24		No Broadleaf Herbicide								
LSD (P=.05)								13.2	15.3	3.7
Standard Deviation								9.4	10.8	2.6
CV								20.4	26.98	46.95
Grand Mean								45.89	40.0	5.52
Bartlett's X2								21.981	40.71	1.881
P(Bartlett's X2)								0.185	0.001*	0.17

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	45b	0c
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0c	0c
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	25b-e	86a	0c
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	28b-e	83a	0c
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	18def	55b	0c
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	23cde	88a	0c
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0c	0c
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0f	0c	0c
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	13ef	53b	58b
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	18def	75a	0c
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	23c	0c
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	38abc	43b	0c
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	0c	0c
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	30bcd	88a	75a
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	0c	0c
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0f	0c	0c
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0c	0c
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	45a	88a	0c
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0c	0c
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	40ab	88a	0c
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	18def	0c	0c
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	30bcd	88a	70a
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0c	0c
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0f	0c	0c
24		No Broadleaf Herbicide								
LSD (P=.05)								10.6	14.9	5.1
Standard Deviation								7.5	10.5	3.6
CV								55.69	28.06	43.12
Grand Mean								13.44	37.45	8.44
Bartlett's X2								14.968	39.378	2.766
P(Bartlett's X2)								0.184	0.001*	0.251

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT with Broadleaf Herbicide Antagonism Study

Trial ID: C09-20 Protocol ID: C09-20
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
1	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
2	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
2	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
3	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
3	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
4	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
5	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
5	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
6	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
6	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
7	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
8	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A	MPOST	0a	0a	0a
8		No Broadleaf Herbicide								
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
10		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
10	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
11		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
11	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
12		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
12	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
13		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
13	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
13		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			

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Pest Code								RICE	RICE	RICE
Rating Date								26/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								14daMPOST	29daMPOST	38daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
14		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
14	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
14		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
15		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
15	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
15		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
16		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	MPOST	0a	0a	0a
16		No Broadleaf Herbicide								
17		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
17	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	MPOST			
17		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
18		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
18	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST			
18		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
19		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
19	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	MPOST			
19		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
20		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
20	HERB	Grasp	0.0313	LB AI/A	2	FL OZ/A	MPOST			
20		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
21		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
21	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	MPOST			
21		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
22		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
22	HERB	Facet	0.67	LB AI/A	14.3	OZ WT/A	MPOST			
22		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
23		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
23	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	MPOST			
23		Agridex	1	% V/V	19.2	FL OZ/A	MPOST			
24		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	MPOST	0a	0a	0a
24		No Broadleaf Herbicide								
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Arize Tolerance to Pre Herbicides

Experiment number	**C09-22**
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	4/14/09
Harvest date	8/21/09
Crop/Variety	Arize
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE
Date applied [mm/dd/yy]	4/16/09
Time [hh:mm-hh:mm]	10:20-10:30 A
Incorporation equip./Depth	N/A
Air/Soil temperature [F]	70/62
Relative humidity [%]	65%
Wind [mph, direction]	3-5 E
Weather [sunny, etc]	sunny
Soil/Leaf surface moist	moist/ N/A
Crop stage/Height	PRE/ 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	EPW

Flush Dates	4/17, 5/15, 5/30
Permanent Flood	6/9

*AMFF – Air mix flat fan nozzles

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Arize Tolerance to Pre Herbicides

Trial ID: C09-22 Protocol ID: C09-22
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								29/May/2009	29/May/2009	10/Aug/2009	21/Aug/2009
Rating Data Type								AVG HEIGHT	AVG STNDCNT	AVG HEIGHT	YIELD
Rating Unit								cm	no./18	cm	lb/A
Trt-Eval Interval								43daPRE	43daPRE	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						21a	7a	105a	7024ab
2	HERB	Command	0.4	LB AI/A	17	FL OZ/A	PRE	24a	8a	107a	7683a
3	HERB	Facet	0.375	LB AI/A	8	OZ/A	PRE	24a	8a	107a	7058ab
4	HERB	Prowl H2O	0.98	LB AI/A	33	FL OZ/A	PRE	23a	7a	106a	5313b
LSD (P=.05)								2.7	1.9	12.3	1516.6
Standard Deviation								1.7	1.2	7.7	759.1
CV								7.39	15.78	7.24	11.21
Grand Mean								23.16	7.66	106.31	6769.76
Bartlett's X2								2.848	1.54	6.579	3.121
P(Bartlett's X2)								0.416	0.673	0.087	0.373

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Arize hybrid Tolerance to Postemergence Herbicides

Experiment number	**C09-23**
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	4/14/09
Harvest date	8/21/09
Crop/Variety	Arize
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	Overspray	EPOST
Date applied [mm/dd/yy]	5/5/09	5/11/09
Time [hh:mm-hh:mm]	9:45-9:50 A	2:45-3:00 P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/76	88/84
Relative humidity [%]	88%	69%
Wind [mph, direction]	0-2 SE	4-5 SW
Weather [sunny, etc]	pt cloudy	pt cloudy
Soil/Leaf surface moist	wet/wet	dry/dry
Crop stage/Height	1-2lf/3-4"	2-4"/
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
Applied by	EPW	Hensley

Weed Species (population)	---------- (height/#leaves) ----------
ECLIPTA (50-75 m^{-2})	1-3"/2-8 lf
AESIN (5-15 m^{-2})	3-6"/2-8 lf
CYPES (4-8 m^{-2})	3-10"/3-15 lf
CYPIR (75-100 m^{-2})	1-2"/3-9 lf
ENPPA (20-30 m^{-2})	1-2"/cot-2 lf

Flush Dates	4/17, 5/15, 5/30
Permanent Flood	6/9

*AMFF – Air mix flat fan nozzles

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Arize hybrid Tolerance to Postemergence Herbicides

Trial ID: C09-23 Protocol ID: C09-23
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 29/May/2009 AVG HEIGHT cm 18daEPOST	RICE 29/May/2009 AVG STNDCNT no./18 18daEPOST	RICE 17/Aug/2009 AVG HEIGHT cm Harvest	RICE 21/Aug/2009 YIELD lb/A Harvest
1		Nontreated						23a	7a	111a	6203a
2	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A	EPOST	23a	6a	120a	7844a
2		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	EPOST	23a	6a	118a	6464a
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
4	HERB	Regiment	0.0265	LB AI/A	0.53	OZ WT/A	EPOST	23a	6a	118a	8010a
4		Dyne-Amic	0.26	% V/V	5	FL OZ/A	EPOST				
4		UAN	2	% V/V	38.4	FL OZ/A	EPOST				
5	HERB	Propanil	4	LB AI/A	128	FL OZ/A	EPOST	24a	6a	120a	6652a
6	HERB	Grandstand	0.375	LB AI/A	16	FL OZ/A	EPOST	23a	7a	117a	6790a
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
7	HERB	Facet	0.375	LB AI/A	8	OZ WT/A	EPOST	24a	6a	116a	6981a
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
8	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	23a	5a	116a	7468a
8		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	EPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
LSD (P=.05)								2.7	1.5	7.8	1607.0
Standard Deviation								1.9	1.0	5.3	1092.6
CV								8.0	16.64	4.55	15.5
Grand Mean								23.14	6.13	116.89	7051.48
Bartlett's X2								12.81	2.621	17.011	14.99
P(Bartlett's X2)								0.077	0.918	0.017*	0.036*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher + Grasp Tankmix

Experiment number	**C09-24**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	EPOST	MPOST
Date applied [mm/dd/yy]	5/7/09	5/13/09
Time [hh:mm-hh:mm]	11:10-11:30 A	9:15-9:30 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/79	80/80
Relative humidity [%]	86%	75%
Wind [mph, direction]	3-5 S	5-6 S
Weather [sunny, etc]	pt cloudy	sunny
Soil/Leaf surface moist	moist/dry	dry/dry
Crop stage/Height	2-3 lf/4-6"	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	15/22	15/22
Applied by	SLB	TPC

Weed Species (population)	---------- (height/#leaves) ----------	
BRAPP (100-150 m^{-2})	½-2"/1-4 lf	4-6"/5lf-1 til
ECHCG (50-100 m^{-2})	½-2"/2-5 lf	3-6"/3-5 lf
CYPES (10-30 m^{-2})	3-5"/3-6 lf	4-6"/4-6 lf
LEFPA (50-70 m^{-2})	¼-1"/1-3 lf	1-2"/1-2 lf
ALRPH (5-10 m^{-2})……..	3-8"/6-15 lf	4-6"/15-20 lf
AESIN (10-20 m^{-2})……	1-2"/2-4 lf	2-3"/2-3 lf
PHYAN (5-10 m^{-2})……..	½-1"/1-3 lf	1-2"/2-4 lf
ECLAL (10-20 m^{-2})		½-1"/1-2 lf
CNPPA (3-5 m^{-2})		2-3"/2-3 lf

Flush Dates	4/16, 5/15, 5/29
Permanent Flood	6/8

*AMFF – Air mix flat fan nozzles

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Clincher + Grasp Tankmix

Trial ID: C09-24 Protocol ID: C09-24
Location: RRS-Crolwey, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		No Clincher						0j	0f	0f
1	HERB	No Grasp								
1		EPOST								
2		No Clincher						0j	0f	0f
2	HERB	No Grasp								
2		MPOST								
3		No Clincher						25hi	18ef	88a
3		Grasp	0.0313	LB AI/A	2	FL OZ/A				
3		Agridex	1	% V/V	19.2	FL OZ/A				
3		EPOST								
4		No Clincher						20i	10ef	61abc
4		Grasp	0.0313	LB AI/A	2	FL OZ/A				
4		Agridex	1	% V/V	19.2	FL OZ/A				
4		MPOST								
5		No Clincher						33gh	10ef	85a
5		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
5		Agridex	1	% V/V	19.2	FL OZ/A				
5		EPOST								
6		No Clincher						43d-g	10ef	63abc
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
6		Agridex	1	% V/V	19.2	FL OZ/A				
6		MPOST								
7		Clincher	0.186	LB AI/A	10	FL OZ/A		73a	55b	55a-e
7		Agridex	1	% V/V	19.2	FL OZ/A				
7	HERB	No Grasp								
7		EPOST								
8		Clincher	0.186	LB AI/A	10	FL OZ/A		65abc	43bcd	23def
8		Agridex	1	% V/V	19.2	FL OZ/A				
8	HERB	No Grasp								
8		MPOST								
9		Clincher	0.186	LB AI/A	10	FL OZ/A		50c-f	33cde	70abc
9		Agridex	1	% V/V	19.2	FL OZ/A				
9		Grasp	0.0313	LB AI/A	2	FL OZ/A				
9		EPOST								
10		Clincher	0.186	LB AI/A	10	FL OZ/A		63abc	50bc	50a-e
10		Agridex	1	% V/V	19.2	FL OZ/A				
10		Grasp	0.0313	LB AI/A	2	FL OZ/A				
10		MPOST								
11		Clincher	0.186	LB AI/A	10	FL OZ/A		68ab	73a	75abc
11		Agridex	1	% V/V	19.2	FL OZ/A				
11		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
11		EPOST								

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Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
12		Clincher	0.186	LB AI/A	10	FL OZ/A		65abc	50bc	63abc
12		Agridex	1	% V/V	19.2	FL OZ/A				
12		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
12		MPOST								
13		Clincher	0.242	LB AI/A	13	FL OZ/A		68ab	48bc	20ef
13		Agridex	1	% V/V	19.2	FL OZ/A				
13	HERB	No Grasp								
13		EPOST								
14		Clincher	0.242	LB AI/A	13	FL OZ/A		40efg	53bc	45b-e
14		Agridex	1	% V/V	19.2	FL OZ/A				
14	HERB	No Grasp								
14		MPOST								
15		Clincher	0.242	LB AI/A	13	FL OZ/A		63abc	53bc	70abc
15		Agridex	1	% V/V	19.2	FL OZ/A				
15		Grasp	0.0313	LB AI/A	2	FL OZ/A				
15		EPOST								
16		Clincher	0.242	LB AI/A	13	FL OZ/A		43d-g	38bcd	25def
16		Agridex	1	% V/V	19.2	FL OZ/A				
16		Grasp	0.0313	LB AI/A	2	FL OZ/A				
16		MPOST								
17		Clincher	0.242	LB AI/A	13	FL OZ/A		53b-f	15ef	78abc
17		Agridex	1	% V/V	19.2	FL OZ/A				
17		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
17		EPOST								
18		Clincher	0.242	LB AI/A	13	FL OZ/A		45d-g	28de	40cde
18		Agridex	1	% V/V	19.2	FL OZ/A				
18		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
18		MPOST								
19		Clincher	0.28	LB AI/A	15	FL OZ/A		53b-f	15ef	45b-e
19		Agridex	1	% V/V	19.2	FL OZ/A				
19	HERB	No Grasp								
19		EPOST								
20		Clincher	0.28	LB AI/A	15	FL OZ/A		38fg	10ef	20ef
20		Agridex	1	% V/V	19.2	FL OZ/A				
20	HERB	No Grasp								
20		MPOST								
21		Clincher	0.28	LB AI/A	15	FL OZ/A		58a-d	10ef	58a-d
21		Agridex	1	% V/V	19.2	FL OZ/A				
21		Grasp	0.0313	LB AI/A	2	FL OZ/A				
21		EPOST								
22		Clincher	0.28	LB AI/A	15	FL OZ/A		55b-e	10ef	40cde
22		Agridex	1	% V/V	19.2	FL OZ/A				
22		Grasp	0.0313	LB AI/A	2	FL OZ/A				
22		MPOST								

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
23		Clincher	0.28	LB AI/A	15	FL OZ/A		58a-d	18ef	83ab
23		Agridex	1	% V/V	19.2	FL OZ/A				
23		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
23		EPOST								
24		Clincher	0.28	LB AI/A	15	FL OZ/A		40efg	10ef	23def
24		Agridex	1	% V/V	19.2	FL OZ/A				
24		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
24		MPOST								
LSD (P=.05)								9.9	13.3	22.1
Standard Deviation								7.0	9.4	15.6
CV								15.16	34.53	31.86
Grand Mean								46.35	27.29	49.01
Bartlett's X2								12.32	14.237	28.508
P(Bartlett's X2)								0.872	0.432	0.126

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher + Grasp Tankmix

Trial ID: C09-24 Protocol ID: C09-24
Location: RRS-Crolwey, LA Study Director: Eric P. Webster

Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		No Clincher						0h	0f	0c
1	HERB	No Grasp								
1		EPOST								
2		No Clincher						0h	0f	0c
2	HERB	No Grasp								
2		MPOST								
3		No Clincher						0h	15ef	10c
3		Grasp	0.0313	LB AI/A	2	FL OZ/A				
3		Agridex	1	% V/V	19.2	FL OZ/A				
3		EPOST								
4		No Clincher						0h	0f	13bc
4		Grasp	0.0313	LB AI/A	2	FL OZ/A				
4		Agridex	1	% V/V	19.2	FL OZ/A				
4		MPOST								
5		No Clincher						0h	0f	10c
5		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
5		Agridex	1	% V/V	19.2	FL OZ/A				
5		EPOST								
6		No Clincher						23g	10ef	10c
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
6		Agridex	1	% V/V	19.2	FL OZ/A				
6		MPOST								
7		Clincher	0.186	LB AI/A	10	FL OZ/A		73a	58ab	60a
7		Agridex	1	% V/V	19.2	FL OZ/A				
7	HERB	No Grasp								
7		EPOST								
8		Clincher	0.186	LB AI/A	10	FL OZ/A		70ab	55abc	25bc
8		Agridex	1	% V/V	19.2	FL OZ/A				
8	HERB	No Grasp								
8		MPOST								
9		Clincher	0.186	LB AI/A	10	FL OZ/A		28fg	30de	13bc
9		Agridex	1	% V/V	19.2	FL OZ/A				
9		Grasp	0.0313	LB AI/A	2	FL OZ/A				
9		EPOST								
10		Clincher	0.186	LB AI/A	10	FL OZ/A		65abc	68a	20bc
10		Agridex	1	% V/V	19.2	FL OZ/A				
10		Grasp	0.0313	LB AI/A	2	FL OZ/A				
10		MPOST								
11		Clincher	0.186	LB AI/A	10	FL OZ/A		49cde	63a	60a
11		Agridex	1	% V/V	19.2	FL OZ/A				
11		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
11		EPOST								

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Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
12		Clincher	0.186	LB AI/A	10	FL OZ/A		64abc	50a-d	20bc
12		Agridex	1	% V/V	19.2	FL OZ/A				
12		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
12		MPOST								
13		Clincher	0.242	LB AI/A	13	FL OZ/A		71ab	55abc	38b
13		Agridex	1	% V/V	19.2	FL OZ/A				
13	HERB	No Grasp								
13		EPOST								
14		Clincher	0.242	LB AI/A	13	FL OZ/A		55bcd	55abc	53a
14		Agridex	1	% V/V	19.2	FL OZ/A				
14	HERB	No Grasp								
14		MPOST								
15		Clincher	0.242	LB AI/A	13	FL OZ/A		55bcd	33cde	28bc
15		Agridex	1	% V/V	19.2	FL OZ/A				
15		Grasp	0.0313	LB AI/A	2	FL OZ/A				
15		EPOST								
16		Clincher	0.242	LB AI/A	13	FL OZ/A		45de	55abc	20bc
16		Agridex	1	% V/V	19.2	FL OZ/A				
16		Grasp	0.0313	LB AI/A	2	FL OZ/A				
16		MPOST								
17		Clincher	0.242	LB AI/A	13	FL OZ/A		23g	10ef	10c
17		Agridex	1	% V/V	19.2	FL OZ/A				
17		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
17		EPOST								
18		Clincher	0.242	LB AI/A	13	FL OZ/A		53cde	20ef	13bc
18		Agridex	1	% V/V	19.2	FL OZ/A				
18		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
18		MPOST								
19		Clincher	0.28	LB AI/A	15	FL OZ/A		55bcd	28e	15bc
19		Agridex	1	% V/V	19.2	FL OZ/A				
19	HERB	No Grasp								
19		EPOST								
20		Clincher	0.28	LB AI/A	15	FL OZ/A		50cde	10ef	15bc
20		Agridex	1	% V/V	19.2	FL OZ/A				
20	HERB	No Grasp								
20		MPOST								
21		Clincher	0.28	LB AI/A	15	FL OZ/A		28fg	10ef	15bc
21		Agridex	1	% V/V	19.2	FL OZ/A				
21		Grasp	0.0313	LB AI/A	2	FL OZ/A				
21		EPOST								
22		Clincher	0.28	LB AI/A	15	FL OZ/A		60a-d	35b-e	18bc
22		Agridex	1	% V/V	19.2	FL OZ/A				
22		Grasp	0.0313	LB AI/A	2	FL OZ/A				
22		MPOST								

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Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	28daMPOST	39daMPOST
Trt No.	Treatment Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
23		Clincher	0.28	LB AI/A	15	FL OZ/A		38ef	18ef	13bc
23		Agridex	1	% V/V	19.2	FL OZ/A				
23		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
23		EPOST								
24		Clincher	0.28	LB AI/A	15	FL OZ/A		45de	18ef	25bc
24		Agridex	1	% V/V	19.2	FL OZ/A				
24		Grasp	0.036	LB AI/A	2.3	FL OZ/A				
24		MPOST								
LSD (P=.05)								10.6	15.7	14.9
Standard Deviation								7.5	11.1	10.5
CV								18.94	38.38	50.62
Grand Mean								39.43	28.85	20.83
Bartlett's X2								23.148	10.721	29.12
P(Bartlett's X2)								0.185	0.708	0.033*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clincher + Grasp Tankmix

Trial ID: C09-24 Protocol ID: C09-24
Location: RRS-Crolwey, LA Study Director: Eric P. Webster

Pest Code								LEFPA	LEFPA	ALRPH	ALRPH
Rating Date								29/May/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daMPOST	39daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Clincher						0i	0b	0e	0e
1	HERB	No Grasp									
1		EPOST									
2		No Clincher						0i	0b	0e	0e
2	HERB	No Grasp									
2		MPOST									
3		No Clincher						25h	78a	85a	81abc
3		Grasp	0.0313	LB AI/A	2	FL OZ/A					
3		Agridex	1	% V/V	19.2	FL OZ/A					
3		EPOST									
4		No Clincher						25h	75a	73cd	75bcd
4		Grasp	0.0313	LB AI/A	2	FL OZ/A					
4		Agridex	1	% V/V	19.2	FL OZ/A					
4		MPOST									
5		No Clincher						33gh	78a	85a	84ab
5		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
5		Agridex	1	% V/V	19.2	FL OZ/A					
5		EPOST									
6		No Clincher						35gh	58a	0e	0e
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
6		Agridex	1	% V/V	19.2	FL OZ/A					
6		MPOST									
7		Clincher	0.186	LB AI/A	10	FL OZ/A		73a	78a	0e	0e
7		Agridex	1	% V/V	19.2	FL OZ/A					
7	HERB	No Grasp									
7		EPOST									
8		Clincher	0.186	LB AI/A	10	FL OZ/A		65abc	70a	75bcd	73cd
8		Agridex	1	% V/V	19.2	FL OZ/A					
8	HERB	No Grasp									
8		MPOST									
9		Clincher	0.186	LB AI/A	10	FL OZ/A		53b-e	65a	83ab	85a
9		Agridex	1	% V/V	19.2	FL OZ/A					
9		Grasp	0.0313	LB AI/A	2	FL OZ/A					
9		EPOST									
10		Clincher	0.186	LB AI/A	10	FL OZ/A		63abc	73a	90a	90a
10		Agridex	1	% V/V	19.2	FL OZ/A					
10		Grasp	0.0313	LB AI/A	2	FL OZ/A					
10		MPOST									
11		Clincher	0.186	LB AI/A	10	FL OZ/A		68ab	60a	90a	90a
11		Agridex	1	% V/V	19.2	FL OZ/A					
11		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
11		EPOST									

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Pest Code								LEFPA	LEFPA	ALRPH	ALRPH
Rating Date								29/May/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daMPOST	39daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
12		Clincher	0.186	LB AI/A	10	FL OZ/A		64abc	68a	90a	90a
12		Agridex	1	% V/V	19.2	FL OZ/A					
12		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
12		MPOST									
13		Clincher	0.242	LB AI/A	13	FL OZ/A		71a	78a	68d	68d
13		Agridex	1	% V/V	19.2	FL OZ/A					
13	HERB	No Grasp									
13		EPOST									
14		Clincher	0.242	LB AI/A	13	FL OZ/A		40efg	60a	0e	0e
14		Agridex	1	% V/V	19.2	FL OZ/A					
14	HERB	No Grasp									
14		MPOST									
15		Clincher	0.242	LB AI/A	13	FL OZ/A		63abc	75a	70d	70d
15		Agridex	1	% V/V	19.2	FL OZ/A					
15		Grasp	0.0313	LB AI/A	2	FL OZ/A					
15		EPOST									
16		Clincher	0.242	LB AI/A	13	FL OZ/A		45d-g	70a	80abc	80abc
16		Agridex	1	% V/V	19.2	FL OZ/A					
16		Grasp	0.0313	LB AI/A	2	FL OZ/A					
16		MPOST									
17		Clincher	0.242	LB AI/A	13	FL OZ/A		55bcd	53a	80abc	80abc
17		Agridex	1	% V/V	19.2	FL OZ/A					
17		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
17		EPOST									
18		Clincher	0.242	LB AI/A	13	FL OZ/A		45d-g	58a	85a	85a
18		Agridex	1	% V/V	19.2	FL OZ/A					
18		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
18		MPOST									
19		Clincher	0.28	LB AI/A	15	FL OZ/A		50c-f	68a	0e	0e
19		Agridex	1	% V/V	19.2	FL OZ/A					
19	HERB	No Grasp									
19		EPOST									
20		Clincher	0.28	LB AI/A	15	FL OZ/A		35gh	73a	0e	0e
20		Agridex	1	% V/V	19.2	FL OZ/A					
20	HERB	No Grasp									
20		MPOST									
21		Clincher	0.28	LB AI/A	15	FL OZ/A		60a-d	45a	0e	0e
21		Agridex	1	% V/V	19.2	FL OZ/A					
21		Grasp	0.0313	LB AI/A	2	FL OZ/A					
21		EPOST									
22		Clincher	0.28	LB AI/A	15	FL OZ/A		55bcd	73a	0e	0e
22		Agridex	1	% V/V	19.2	FL OZ/A					
22		Grasp	0.0313	LB AI/A	2	FL OZ/A					
22		MPOST									

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Pest Code							LEFPA	LEFPA	ALRPH	ALRPH
Rating Date							29/May/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							16daMPOST	39daMPOST	28daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
23		Clincher	0.28	LB AI/A	15	FL OZ/A		58a-d	70a	0e	0e
23		Agridex	1	% V/V	19.2	FL OZ/A					
23		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
23		EPOST									
24		Clincher	0.28	LB AI/A	15	FL OZ/A		38fgh	60a	0e	0e
24		Agridex	1	% V/V	19.2	FL OZ/A					
24		Grasp	0.036	LB AI/A	2.3	FL OZ/A					
24		MPOST									
LSD (P=.05)								9.8	20.2	6.3	6.3
Standard Deviation								6.9	14.3	4.5	4.5
CV								14.95	23.11	10.17	10.18
Grand Mean								46.46	61.67	43.85	43.75
Bartlett's X2								12.33	17.301	5.766	4.333
P(Bartlett's X2)								0.93	0.693	0.673	0.826

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								RICE	RICE
Rating Date								22/Jun/2009	29/May/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								39daMPOST	16daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		No Clincher						0a	0a
1	HERB	No Grasp							
1		EPOST							
2		No Clincher						0a	0a
2	HERB	No Grasp							
2		MPOST							
3		No Clincher						0a	0a
3		Grasp	0.0313	LB AI/A	2	FL OZ/A			
3		Agridex	1	% V/V	19.2	FL OZ/A			
3		EPOST							
4		No Clincher						0a	0a
4		Grasp	0.0313	LB AI/A	2	FL OZ/A			
4		Agridex	1	% V/V	19.2	FL OZ/A			
4		MPOST							
5		No Clincher						0a	0a
5		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
5		Agridex	1	% V/V	19.2	FL OZ/A			
5		EPOST							
6		No Clincher						0a	0a
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
6		Agridex	1	% V/V	19.2	FL OZ/A			
6		MPOST							
7		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
7		Agridex	1	% V/V	19.2	FL OZ/A			
7	HERB	No Grasp							
7		EPOST							
8		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
8		Agridex	1	% V/V	19.2	FL OZ/A			
8	HERB	No Grasp							
8		MPOST							
9		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
9		Agridex	1	% V/V	19.2	FL OZ/A			
9		Grasp	0.0313	LB AI/A	2	FL OZ/A			
9		EPOST							
10		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
10		Agridex	1	% V/V	19.2	FL OZ/A			
10		Grasp	0.0313	LB AI/A	2	FL OZ/A			
10		MPOST							
11		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
11		Agridex	1	% V/V	19.2	FL OZ/A			
11		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
11		EPOST							
12		Clincher	0.186	LB AI/A	10	FL OZ/A		0a	0a
12		Agridex	1	% V/V	19.2	FL OZ/A			
12		Grasp	0.036	LB AI/A	2.3	FL OZ/A		MPOST	

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Pest Code								RICE	RICE
Rating Date								22/Jun/2009	29/May/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								39daMPOST	16daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
13		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
13		Agridex	1	% V/V	19.2	FL OZ/A			
13	HERB	No Grasp							
13		EPOST							
14		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
14		Agridex	1	% V/V	19.2	FL OZ/A			
14	HERB	No Grasp							
14		MPOST							
15		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
15		Agridex	1	% V/V	19.2	FL OZ/A			
15		Grasp	0.0313	LB AI/A	2	FL OZ/A			
15		EPOST							
16		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
16		Agridex	1	% V/V	19.2	FL OZ/A			
16		Grasp	0.0313	LB AI/A	2	FL OZ/A			
16		MPOST							
17		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
17		Agridex	1	% V/V	19.2	FL OZ/A			
17		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
17		EPOST							
18		Clincher	0.242	LB AI/A	13	FL OZ/A		0a	0a
18		Agridex	1	% V/V	19.2	FL OZ/A			
18		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
18		MPOST							
19		Clincher	0.28	LB AI/A	15	FL OZ/A		0a	0a
19		Agridex	1	% V/V	19.2	FL OZ/A			
19	HERB	No Grasp							
19		EPOST							
20		Clincher	0.28	LB AI/A	15	FL OZ/A		0a	0a
20		Agridex	1	% V/V	19.2	FL OZ/A			
20	HERB	No Grasp							
20		MPOST							
21		Clincher	0.28	LB AI/A	15	FL OZ/A		0a	0a
21		Agridex	1	% V/V	19.2	FL OZ/A			
21		Grasp	0.0313	LB AI/A	2	FL OZ/A			
21		EPOST							
22		Clincher	0.28	LB AI/A	15	FL OZ/A		0a	0a
22		Agridex	1	% V/V	19.2	FL OZ/A			
22		Grasp	0.0313	LB AI/A	2	FL OZ/A			
22		MPOST							
23		Clincher	0.28	LB AI/A	15	FL OZ/A		0a	0a
23		Agridex	1	% V/V	19.2	FL OZ/A			
23		Grasp	0.036	LB AI/A	2.3	FL OZ/A			
23		EPOST							

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Pest Code							RICE	RICE
Rating Date							22/Jun/2009	29/May/2009
Rating Data Type							INJURY	INJURY
Rating Unit							%	%
Trt-Eval Interval							39daMPOST	16daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
24		Clincher	0.28	LB AI/A	15	FL OZ/A	0a	0a
24		Agridex	1	% V/V	19.2	FL OZ/A		
24		Grasp	0.036	LB AI/A	2.3	FL OZ/A		
24		MPOST						
LSD (P=.05)							0.0	0.0
Standard Deviation							0.0	0.0
CV							0.0	0.0
Grand Mean							0.0	0.0
Bartlett's X2							0.0	0.0
P(Bartlett's X2)							.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux on Sprangletop

Experiment number..... : **C09-25**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 5/13/09
Time [hh:mm-hh:mm]..... : 8:50-9:10 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 80/80
Relative humidity [%]..... : 80%
Wind [mph, direction] ..... : 4-8 S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/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 ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
BRAPP (100-120 m^{-2}) ..... : 4-6"/5lf-1 til
ECHCG(90-100 m^{-2})..... : 3-6"/3-5 lf
LEFPA(10-30m^{-2}) ..... : 1-2"/1-2 lf
AESIN(3-5m^{-2})..... : 2-3"/2-3 lf
ECLAL(10-20m^{-2})…….. ..... : ½-1"/1-2 lf
ALRPH(5-10m^{-2})..... : 4-6"/15-20 lf
CNPPA(3-5m^{-2}) ..... : 2-3"/2-3 lf

Flush Dates ..... : 4/16, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Efficacy of Ricebeaux on Sprangletop

Trial ID: C09-25 Protocol ID: C09-25
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daEPOST	40daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0h	0f	0b
2	HERB	Ricebeau	1.5	LB AI/A	1	QT/A	EPOST	53ef	35e	10b
3		Ricebeau	3	LB AI/A	2	QT/A	EPOST	45fg	40de	10b
4		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	58de	45cde	20b
5		Ricebeau	6	LB AI/A	4	QT/A	EPOST	63cd	63bcd	13b
6		Ricebeau	7.5	LB AI/A	5	QT/A	EPOST	76ab	68abc	23b
7		Ricebeau	9	LB AI/A	6	QT/A	EPOST	79a	70abc	20b
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	EPOST	85a	89a	53a
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9	HERB	Riceshot	3	LB AI/A	3	QT/A	EPOST	76ab	48cde	10b
10	HERB	Bolero	3	LB AI/A	1.5	QT/A	EPOST	40g	15f	10b
11	HERB	Arrosolo	6	LB AI/A	4	QT/A	EPOST	68bc	79ab	20b
LSD (P=.05)								7.6	18.5	16.2
Standard Deviation								5.3	12.8	11.2
CV								9.08	25.59	65.87
Grand Mean								58.3	50.0	17.05
Bartlett's X2								11.33	14.261	5.064
P(Bartlett's X2)								0.254	0.113	0.408

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux on Sprangletop

Trial ID: C09-25 Protocol ID: C09-25
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	BRAPP	BRAPP	BRAPP	LEFPA
Pest Code								BRAPP	BRAPP	BRAPP	LEFPA
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009	29/May/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daMPOST	28daEPOST	40daEPOST	16daMPOST
1		Nontreated						0f	0f	0b	0e
2	HERB	Ricebeau	1.5	LB AI/A	1	QT/A	EPOST	35de	30de	10b	53bc
3		Ricebeau	3	LB AI/A	2	QT/A	EPOST	28e	25e	10b	45c
4		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	45d	44cde	20b	58b
5		Ricebeau	6	LB AI/A	4	QT/A	EPOST	63bc	51bcd	13b	63b
6		Ricebeau	7.5	LB AI/A	5	QT/A	EPOST	71bc	45cde	20b	76a
7		Ricebeau	9	LB AI/A	6	QT/A	EPOST	75b	60bc	20b	78a
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	EPOST	88a	86a	58a	85a
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST				
9	HERB	Riceshot	3	LB AI/A	3	QT/A	EPOST	63bc	38cde	10b	75a
10	HERB	Bolero	3	LB AI/A	1.5	QT/A	EPOST	0f	0f	10b	35d
11	HERB	Arrosolo	6	LB AI/A	4	QT/A	EPOST	58c	71ab	20b	63b
LSD (P=.05)								12.3	16.6	14.6	7.8
Standard Deviation								8.5	11.5	10.1	5.4
CV								17.86	28.07	58.46	9.42
Grand Mean								47.61	40.91	17.27	57.16
Bartlett's X2								12.907	9.971	7.049	12.494
P(Bartlett's X2)								0.115	0.267	0.217	0.187

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux on Sprangletop

Trial ID: C09-25 Protocol ID: C09-25
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daEPOST	40daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0d	0c	0b
2	HERB	Ricebeau	1.5	LB AI/A	1	QT/A	EPOST	33abc	0c	25ab
3		Ricebeau	3	LB AI/A	2	QT/A	EPOST	30bc	0c	33ab
4		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	0d	0c	25ab
5		Ricebeau	6	LB AI/A	4	QT/A	EPOST	25bc	0c	25ab
6		Ricebeau	7.5	LB AI/A	5	QT/A	EPOST	50ab	0c	43a
7		Ricebeau	9	LB AI/A	6	QT/A	EPOST	40abc	20bc	40a
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	EPOST	58a	78a	43a
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9	HERB	Riceshot	3	LB AI/A	3	QT/A	EPOST	35abc	30b	40a
10	HERB	Bolero	3	LB AI/A	1.5	QT/A	EPOST	20cd	28bc	28ab
11	HERB	Arrosolo	6	LB AI/A	4	QT/A	EPOST	45abc	15bc	28ab
LSD (P=.05)								17.1	17.9	21.1
Standard Deviation								11.9	12.4	14.6
CV								38.96	80.08	49.04
Grand Mean								30.45	15.45	29.77
Bartlett's X2								7.459	5.825	4.6
P(Bartlett's X2)								0.488	0.213	0.868

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux on Sprangletop

Trial ID: C09-25 Protocol ID: C09-25
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daEPOST	40daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0b	0b	0c
2	HERB	Ricebeau	1.5	LB AI/A	1	QT/A	EPOST	0b	0b	15bc
3		Ricebeau	3	LB AI/A	2	QT/A	EPOST	30a	0b	15bc
4		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	0b	0b	18bc
5		Ricebeau	6	LB AI/A	4	QT/A	EPOST	0b	0b	15bc
6		Ricebeau	7.5	LB AI/A	5	QT/A	EPOST	33a	0b	28b
7		Ricebeau	9	LB AI/A	6	QT/A	EPOST	15b	18b	23b
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	EPOST	30a	75a	48a
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9	HERB	Riceshot	3	LB AI/A	3	QT/A	EPOST	0b	20b	18bc
10	HERB	Bolero	3	LB AI/A	1.5	QT/A	EPOST	0b	0b	13bc
11	HERB	Arrosolo	6	LB AI/A	4	QT/A	EPOST	28a	0b	15bc
LSD (P=.05)								10.4	13.5	11.3
Standard Deviation								7.2	9.3	7.8
CV								58.57	91.11	42.03
Grand Mean								12.27	10.23	18.64
Bartlett's X2								3.823	0.264	9.258
P(Bartlett's X2)								0.43	0.876	0.414

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux on Sprangletop

Trial ID: C09-25 Protocol ID: C09-25
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	28daEPOST	40daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0a	0a	0a
2	HERB	Ricebeau	1.5	LB AI/A	1	QT/A	EPOST	0a	0a	0a
3		Ricebeau	3	LB AI/A	2	QT/A	EPOST	0a	0a	0a
4		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	0a	0a	0a
5		Ricebeau	6	LB AI/A	4	QT/A	EPOST	0a	0a	0a
6		Ricebeau	7.5	LB AI/A	5	QT/A	EPOST	0a	0a	0a
7		Ricebeau	9	LB AI/A	6	QT/A	EPOST	0a	0a	0a
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	EPOST	0a	0a	0a
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9	HERB	Riceshot	3	LB AI/A	3	QT/A	EPOST	0a	0a	0a
10	HERB	Bolero	3	LB AI/A	1.5	QT/A	EPOST	0a	0a	0a
11	HERB	Arrosolo	6	LB AI/A	4	QT/A	EPOST	0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Experiment number	**C09-27**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	E-MPOST	Overspray
Date applied [mm/dd/yy]	4/15/09	5/11/09	5/13/09
Time [hh:mm-hh:mm]	1:30-1:45 P	8:40-8:55 A	7:30-7:35 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	72/62	84/80	80/80
Relative humidity [%]	63%	80%	75%
Wind [mph, direction]	3-5 E	3-5 SW	2-5 S
Weather [sunny, etc]	sunny	pt cloudy	pt cloudy
Soil/Leaf surface moist	moist/ N/A	dry/dry	dry/wet
Crop stage/Height	PRE/ N/A	3-5 lf/3-6"	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	15/22	15/22	15/22
Applied by	EPW	TPC	TPC

Weed Species (population)	---------- (height/#leaves) ----------
CYPES (10-20 m^{-2})	2-8"/3-9 lf
CYPIR (50-75 m^{-2})	1-3"/1-3 lf
AESIN (3-6 m^{-2})	2-4"/2-4 lf
ALRPH (8-10 m^{-2})	0.5-8"/2-30 lf
COMDI (3-5 m^{-2})	0.5-2"/1-3 lf
CNPPA (3-5 m^{-2})	0.5-2"/cot-2 lf
ECLAL (15-20 m^{-2})	0.5-1"/cot-2 lf
PHYAN (15-20 m^{-2})	0.25-2"/cot-3 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								AESIN	AESIN	AESIN
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	25f	43c	0a
1		No Quest								
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	18f	43c	0a
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	85a	79ab	0a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
3		No Quest								
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	89a	76ab	0a
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	88a	69abc	0a
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
5		No Quest								
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	89a	75ab	0a
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	43e	79ab	0a
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
7		No Quest								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	70abc	86a	0a
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	85a	83ab	0a
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
9		No Quest								
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	89a	88a	0a
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	85a	71ab	0a
11		No Quest								
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	61bcd	70abc	0a
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	56cde	68abc	0a
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
13		No Quest								
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	76ab	69abc	0a
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			

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Pest Code								AESIN	AESIN	AESIN
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	74ab	65abc	0a
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
15		No Quest								
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	90a	78ab	0a
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	53de	54bc	0a
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
17		No Quest								
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	81a	65abc	0a
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	85a	66abc	0a
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
19		No Quest								
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	81a	75ab	0a
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
21	HERB	Nontreated						0g	0d	0a
LSD (P=.05)								12.2	16.9	0.0
Standard Deviation								8.6	11.9	0.0
CV								12.7	17.9	0.0
Grand Mean								67.68	66.61	0.0
Bartlett's X2								41.73	18.91	0.0
P(Bartlett's X2)								0.001*	0.463	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0f	0c	0b
1		No Quest								
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0f	0c	0b
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	80ab	74a	30a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
3		No Quest								
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	85a	70a	30a
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	28de	26b	0b
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
5		No Quest								
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	28de	33b	0b
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	33d	65a	0b
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
7		No Quest								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	69b	71a	0b
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0f	20bc	0b
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
9		No Quest								
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0f	26b	0b
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	0f	21bc	0b
11		No Quest								
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	28de	20bc	0b
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	0f	19bc	0b
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
13		No Quest								
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	18e	26b	0b
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			

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Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	85a	76a	0b
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
15		No Quest								
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	80ab	75a	0b
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	30de	28b	0b
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
17		No Quest								
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	50c	31b	0b
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	0f	35b	0b
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
19		No Quest								
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	30de	38b	0b
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
21	HERB	Nontreated						0f	0c	0b
LSD (P=.05)								9.8	15.1	0.0
Standard Deviation								6.9	10.7	0.0
CV								22.7	29.84	0.0
Grand Mean								30.54	35.89	2.86
Bartlett's X2								9.706	29.025	0.0
P(Bartlett's X2)								0.375	0.016*	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0c	0c	0b
1		No Quest								
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0c	0c	0b
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	60a	75ab	30a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
3		No Quest								
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	70a	75ab	30a
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	18bc	40b	0b
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
5		No Quest								
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	20bc	44b	0b
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	25b	86a	0b
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
7		No Quest								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	75a	83ab	0b
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	18bc	90a	0b
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
9		No Quest								
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	28b	69ab	0b
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	20bc	40b	0b
11		No Quest								
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	18bc	68ab	0b
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	28b	55ab	0b
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
13		No Quest								
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	20bc	58ab	0b
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			

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Pest Code								ECLAL	ECLAL	ECLAL
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	18bc	51ab	0b
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
15		No Quest								
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	40b	80ab	0b
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	0c	58ab	0b
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
17		No Quest								
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	28b	56ab	0b
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	40b	66ab	0b
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
19		No Quest								
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	38b	66ab	0b
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
21	HERB	Nontreated						0c	0c	0b
LSD (P=.05)								13.8	24.0	0.0
Standard Deviation								9.8	17.0	0.0
CV								36.66	30.77	0.0
Grand Mean								26.67	55.18	2.86
Bartlett's X2								21.107	20.891	0.0
P(Bartlett's X2)								0.099	0.231	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								CYPIR	CYPIR	CYPES	CYPES
Rating Date								10/Jun/2009	19/Jun/2009	27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								30daMPOST	39daMPOST	16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0d	0g	0g	0f
1		No Quest									
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0d	0g	18g	0f
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	88a	0g	68b-e	78ab
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
3		No Quest									
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	89a	0g	73a-e	76ab
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	84a	73a-d	63c-f	65abc
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
5		No Quest									
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	91a	63b-e	89ab	65abc
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	33bc	0g	0g	28ef
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
7		No Quest									
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	20cd	0g	0g	24ef
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	95a	91a	94a	83ab
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
9		No Quest									
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	95a	91a	90ab	94a
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	51b	0g	0g	36de
11		No Quest									
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	25bcd	0g	18g	26ef
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	45bc	0g	40f	44cde
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
13		No Quest									
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	46bc	33f	15g	28ef
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				

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Pest Code								CYPIR	CYPIR	CYPES	CYPES
Rating Date								10/Jun/2009	19/Jun/2009	27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								30daMPOST	39daMPOST	16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	85a	45ef	90ab	59bcd
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
15		No Quest									
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	86a	55de	80abc	73abc
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	93a	58cde	50ef	91a
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
17		No Quest									
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	89a	75abc	53def	73abc
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	95a	80ab	76a-d	80ab
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
19		No Quest									
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	84a	80ab	53def	73abc
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST				
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST				
21	HERB	Nontreated						0d	0g	0g	0f
LSD (P=.05)								20.4	14.0	16.4	18.9
Standard Deviation								14.4	9.9	11.6	13.4
CV								23.38	28.0	25.19	25.74
Grand Mean								61.55	35.36	46.01	52.02
Bartlett's X2								33.76	29.735	32.157	35.3
P(Bartlett's X2)								0.002*	0.001*	0.002*	0.006*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								CNPPA	CNPPA	CNPPA
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	38d	79abc	0a
1		No Quest								
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0e	74abc	0a
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	68abc	69abc	0a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
3		No Quest								
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	85ab	71abc	0a
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	58c	53c	0a
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
5		No Quest								
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	84ab	58bc	0a
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	28d	60abc	0a
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
7		No Quest								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	55c	65abc	0a
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	70abc	75abc	0a
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
9		No Quest								
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	74abc	78abc	0a
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	23d	56bc	0a
11		No Quest								
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	30d	55bc	0a
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	63bc	85abc	0a
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
13		No Quest								
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	28d	70abc	0a
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	59c	88ab	0a
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
15		No Quest								

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Pest Code								CNPPA	CNPPA	CNPPA
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	58c	89ab	0a
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	81ab	81abc	0a
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
17		No Quest								
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	90a	81abc	0a
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	76abc	93a	0a
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
19		No Quest								
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	71abc	91a	0a
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
21	HERB	Nontreated						0e	0d	0a
LSD (P=.05)								14.2	18.9	0.0
Standard Deviation								10.0	13.3	0.0
CV								18.51	19.07	0.0
Grand Mean								54.05	69.94	0.0
Bartlett's X2								43.113	35.395	0.0
P(Bartlett's X2)								0.001*	0.013*	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								COMDI	COMDI
Rating Date								27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	43ab	71abc
1		No Quest							
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	40ab	76abc
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	40ab	85a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
3		No Quest							
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	50a	81ab
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	28b	65abc
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
5		No Quest							
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	40ab	70abc
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	0c	58bc
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
7		No Quest							
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	0c	63abc
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0c	75abc
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
9		No Quest							
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0c	78abc
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	0c	68abc
11		No Quest							
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	0c	64abc
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	0c	54c
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
13		No Quest							
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	0c	70abc
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		

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Pest Code								COMDI	COMDI
Rating Date								27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								16daMPOST	30daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	0c	81ab
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
15		No Quest							
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	0c	80ab
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	0c	75abc
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
17		No Quest							
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	30b	74abc
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	0c	84a
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
19		No Quest							
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	0c	83ab
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST		
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST		
21	HERB	Nontreated						0c	0d
LSD (P=.05)								11.7	14.2
Standard Deviation								8.3	10.0
CV								64.24	14.52
Grand Mean								12.86	69.17
Bartlett's X2								2.718	34.022
P(Bartlett's X2)								0.843	0.018*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf Herbicide Efficacy with and without Quest

Trial ID: C09-27 Protocol ID: C09-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0a	0a	0a
1		No Quest								
2	HERB	Aim	0.0156	LB AI/A	1	FL OZ/A	E-MPOST	0a	0a	0a
2		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
3	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	0a	0a	0a
3	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
3		No Quest								
4	HERB	Grasp	0.036	LB AI/A	2.3	FL OZ/A	E-MPOST	0a	0a	0a
4	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
4		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
5	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	0a	0a	0a
5	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
5		No Quest								
6	HERB	Strada	0.0656	LB AI/A	2.1	OZ WT/A	E-MPOST	0a	0a	0a
6	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
6		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
7	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	0a	0a	0a
7	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
7		No Quest								
8	HERB	Facet	0.5	LB AI/A	10.7	OZ WT/A	E-MPOST	0a	0a	0a
8	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
8		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
9	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0a	0a	0a
9	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
9		No Quest								
10	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	E-MPOST	0a	0a	0a
10	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
10		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
11	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	0a	0a	0a
11		No Quest								
12	HERB	Stam M4	3	LB AI/A	3	QT/A	E-MPOST	0a	0a	0a
12		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
13	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	0a	0a	0a
13	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
13		No Quest								
14	HERB	SuperWham	3	LB AI/A	3	QT/A	E-MPOST	0a	0a	0a
14	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
14		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			

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Pest Code								RICE	RICE	RICE
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								16daMPOST	30daMPOST	39daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
15	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	0a	0a	0a
15	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
15		No Quest								
16	HERB	Regiment	0.025	LB AI/A	0.5	OZ WT/A	E-MPOST	0a	0a	0a
16	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
16		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
17	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	0a	0a	0a
17	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
17		No Quest								
18	HERB	Londax	0.0375	LB AI/A	1	OZ WT/A	E-MPOST	0a	0a	0a
18	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
18		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
19	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	0a	0a	0a
19	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
19		No Quest								
20	HERB	V10142	0.2	LB AI/A	4.27	OZ WT/A	E-MPOST	0a	0a	0a
20	HERB	Agridex	1	% V/V	19.2	FL OZ/A	E-MPOST			
20		Quest	0.625	% V/V	0.75	PT/A	E-MPOST			
21	HERB	Nontreated						0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Experiment number	**C09-28**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	VEPOST	EPOST
Date applied [mm/dd/yy]	5/5/09	5/12/09
Time [hh:mm-hh:mm]	8:25-8:35 A	12:25-12:45 P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	79/76	87/79
Relative humidity [%]	88%	84%
Wind [mph, direction]	0-1 SE	1-3 SE
Weather [sunny, etc]	pt cloudy	pt cloudy
Soil/Leaf surface moist	wet/wet	moist/dry
Crop stage/Height	1-2lf/3-4"	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	15/22	15/22
Applied by	EPW	JBH

Weed Species (population)	---------- (height/#leaves) ----------	
ECHCG(120-150m^{-2})	2-5"/1-3 lf	4-6"/4-6 lf
ALRPH(2-5 m^{-2})	3-5"/8-10 lf	4-6"/15-30 lf
BRAPP(70-80m^{-2})	1-3"/2-3 lf	2-4"/2-4 lf
LEFPA(60-90m^{-2})	1-3"/1-2 lf	3-5"/2-4 lf
CYPIR(60-80m^{-2})	1-2"/1-3 lf	2-3"/2-4 lf
AESIN(2-5m^{-2})	1-2"/1-2 lf	2-3"/2-4 lf
ECLAL(20-25m^{-2})	1-2"/1-2 lf	1-2"/2-3 lf

Flush Dates	5/8, 5/15, 5/29
Permanent Flood	6/8

*AMFF – Air mix flat fan nozzles

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0f	0g	0g
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	93ab	93a	84a
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	95ab	95a	91a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	96a	94a	91a
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	68cd	50c-f	33ef
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	84abc	86ab	59bcd
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	83abc	88ab	73abc
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	84abc	86ab	71abc
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	85abc	88ab	80ab
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93ab	97a	89a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	53d	33ef	25fg
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	66cd	58b-e	50cde
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	73bcd	77abc	43def
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	28e	20fg	0g
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	50d	28ef	20fg
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	50d	65a-d	23fg
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	50d	43def	18fg
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	53d	30ef	0g
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST			

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	55d	45def	20fg
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
LSD (P=.05)								14.1	20.6	17.0
Standard Deviation								10.0	14.6	12.0
CV								15.12	23.62	26.33
Grand Mean								66.0	61.72	45.63
Bartlett's X2								42.561	39.482	29.292
P(Bartlett's X2)								0.001*	0.001*	0.015*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0i	0e	0e
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	94ab	97a	91a
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	96a	95a	92a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	96a	98a	92a
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	70def	43bc	45c
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	83a-d	94a	65b
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	88a-d	91a	85a
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	86a-d	92a	80a
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	90abc	96a	89a
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	94ab	97a	89a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	54fgh	53bc	43c
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	71c-f	63b	53bc
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	75b-e	87a	53bc
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	43h	20d	0e
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	50gh	35cd	20de
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	64efg	86a	26d
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	55fgh	50bc	0e
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	55fgh	50bc	0e
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST			

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Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	58e-h	53bc	20de
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
LSD (P=.05)								12.7	15.4	14.0
Standard Deviation								9.0	10.9	9.9
CV								12.95	16.0	19.94
Grand Mean								69.42	68.28	49.55
Bartlett's X2								50.811	45.178	26.21
P(Bartlett's X2)								0.001*	0.001*	0.016*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								LEFPA	LEFPA	LEFPA
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0f	0h	0f
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	94a	93ab	90ab
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	96a	95a	91a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	95a	95a	90ab
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	68bcd	51def	48e
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	83ab	78abc	66cde
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	85ab	78abc	81abc
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	86ab	85ab	76abc
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	89ab	86ab	83abc
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93a	97a	91a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	51d	51def	65cde
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	69bcd	55cde	70a-d
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	75abc	85ab	70a-d
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	28e	20g	0f
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	50d	28fg	15f
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	58cd	68bcd	68b-e
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	55cd	38efg	0f
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	55cd	30efg	0f
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST			

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Pest Code							LEFPA	LEFPA	LEFPA
Rating Date							27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	60cd	45def	53de
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
LSD (P=.05)								14.3	17.1	14.4
Standard Deviation								10.1	12.1	10.2
CV								14.91	19.55	18.27
Grand Mean								67.74	61.86	55.57
Bartlett's X2								38.515	27.983	18.711
P(Bartlett's X2)								0.001*	0.022*	0.096

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ALRPH	ALRPH	ALRPH
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0c	0a	0a
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	40ab	0a	0a
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	45ab	0a	0a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	35abc	0a	0a
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	33abc	0a	0a
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	60a	0a	0a
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	0c	0a	0a
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	30abc	0a	0a
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	43ab	0a	0a
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	18bc	0a	0a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	50ab	0a	0a
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	60a	0a	0a
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	58ab	0a	0a
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	25abc	0a	0a
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	48ab	0a	0a
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	53ab	0a	0a
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	50ab	0a	0a
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			

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Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							15daEPOST	29daEPOST	38daEPOST
Trt No.	Treatment Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	50ab	0a	0a
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	60a	0a	0a
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
LSD (P=.05)								23.3	0.0	0.0
Standard Deviation								16.5	0.0	0.0
CV								41.42	0.0	0.0
Grand Mean								39.74	0.0	0.0
Bartlett's X2								10.392	0.0	0.0
P(Bartlett's X2)								0.845	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECLAL	ECLAL
Rating Date								27/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Trt-Eval Interval								15daEPOST	29daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		Nontreated						0d	0a
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	89a	0a
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST		
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	91a	0a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST		
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	94a	0a
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST		
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	60b	0a
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST		
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	86a	0a
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST		
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	0d	0a
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST		
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	75a	0a
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	85a	0a
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	79a	0a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST		
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	35c	0a
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST		
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	45c	0a
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST		
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	84a	0a
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST		
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	0d	0a
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST		
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	0d	0a
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST		
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	0d	0a
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST		
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0d	0a
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST		
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0d	0a
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST		

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Pest Code							ECLAL	ECLAL
Rating Date							27/May/2009	10/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							15daEPOST	29daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0d	0a
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST		
LSD (P=.05)							12.2	0.0
Standard Deviation							8.6	0.0
CV							19.93	0.0
Grand Mean							43.29	0.0
Bartlett's X2							18.043	0.0
P(Bartlett's X2)							0.054	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricebeaux with Residual Grass Herbicides

Trial ID: C09-28 Protocol ID: C09-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0b	0a	0a
2	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	0b	0a	0a
2	HERB	Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	0b	0a	0a
3		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
4		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	0b	0a	0a
4		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
5	HERB	Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	18a	0a	0a
5		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
6		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	0b	0a	0a
6		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
7		Prowl H2O	1	LB AI/A	2.1	PT/A	VEPOST	0b	0a	0a
7		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
8	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	0b	0a	0a
8		Ricebeau	2.25	LB AI/A	1.5	QT/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	0b	0a	0a
9		Ricebeau	3	LB AI/A	2	QT/A	VEPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	0b	0a	0a
10		Ricebeau	4.5	LB AI/A	3	QT/A	VEPOST			
11		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	0b	0a	0a
11		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
12		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	0b	0a	0a
12		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
13		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST	0b	0a	0a
13		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
14		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	0b	0a	0a
14		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
15		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	0b	0a	0a
15		Ricebeau	3	LB AI/A	2	QT/A	EPOST			
16		Prowl H2O	1	LB AI/A	2.1	PT/A	EPOST	15a	0a	0a
16		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
17		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	20a	0a	0a
17		Ricebeau	2.25	LB AI/A	1.5	QT/A	EPOST			
18		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0b	0a	0a
18		Ricebeau	3	LB AI/A	2	QT/A	EPOST			

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Pest Code							RICE	RICE	RICE
Rating Date							27/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							15daEPOST	29daEPOST	38daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
19		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0b	0a	0a
19		Ricebeau	4.5	LB AI/A	3	QT/A	EPOST			
LSD (P=.05)								4.3	0.0	0.0
Standard Deviation								3.1	0.0	0.0
CV								110.99	0.0	0.0
Grand Mean								2.76	0.0	0.0
Bartlett's X2								2.52	0.0	0.0
P(Bartlett's X2)								0.284	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Drill-seeded Rice PRE Plant-back Interval

Experiment number..... : **C09-29**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : PRE
Date applied [mm/dd/yy] ..... : 4/15/09
Time [hh:mm-hh:mm]..... : 2:00-2:15 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 72/62
Relative humidity [%]..... : 63%
Wind [mph, direction] ..... : 3-5 E
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : moist/ N/A
Crop stage/Height ..... : PRE/ 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..... : EPW

Flush Dates ..... : 4/16, 5/14, 5/29
Permanent Flood..... : 6/5

*AMFF – Air mix flat fan nozzles

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Drill-seeded Rice PRE Plant-Back Interval

Trial ID: C09-29 Protocol ID: C09-29
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	BRAPP	SEBEX	AESIN	ALRPH
Rating Date							7/May/2009	7/May/2009	7/May/2009	7/May/2009	7/May/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22daPRE	22daPRE	22daPRE	22daPRE	22daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Permit	0.0234	LB AI/A	0.5	OZ WT/A	PRE	78c	71a	45d	61d	45bc
2		Permit	0.047	LB AI/A	1	OZ WT/A	PRE	83bc	78a	66c	75c	48abc
3		Permit	0.094	LB AI/A	2	OZ WT/A	PRE	90ab	85a	80b	84b	56ab
4		Strada	0.0656	LB AI/A	2.1	OZ WT/A	PRE	28d	21b	19e	16e	29c
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	PRE	90ab	78a	91a	66cd	66ab
6		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	PRE	93a	76a	88a	73c	69a
7		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	88ab	81a	96a	97a	60ab
8		Regiment	0.025	LB AI/A	0.5	OZ WT/A	PRE	0e	0c	0f	0f	0d
9		Nontreated						0e	0c	0f	0f	0d
LSD (P=.05)								7.1	10.6	7.2	7.8	15.6
Standard Deviation								4.9	7.3	4.9	5.3	10.7
CV								8.02	13.39	9.19	10.15	25.85
Grand Mean								60.92	54.44	53.83	52.39	41.39
Bartlett's X2								10.27	12.26	8.893	6.569	8.346
P(Bartlett's X2)								0.068	0.056	0.113	0.363	0.214

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Pest Code							CYPES	CNPPA	COMDI	RICE	RICE
Rating Date							7/May/2009	7/May/2009	7/May/2009	7/May/2009	7/May/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	INJURY	AVG STNDCNT
Rating Unit							%	%	%	%	no./18"
Trt-Eval Interval							22daPRE	22daPRE	22daPRE	22daPRE	22daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Permit	0.0234	LB AI/A	0.5	OZ WT/A	PRE	81a	63ab	61a	0b	9a
2		Permit	0.047	LB AI/A	1	OZ WT/A	PRE	95a	80a	69a	0b	13a
3		Permit	0.094	LB AI/A	2	OZ WT/A	PRE	98a	88a	73a	14a	11a
4		Strada	0.0656	LB AI/A	2.1	OZ WT/A	PRE	30bc	36b	48b	0b	13a
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	PRE	30bc	74a	70a	0b	12a
6		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	PRE	43b	75a	70a	18a	10a
7		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	86a	93a	75a	13a	11a
8		Regiment	0.025	LB AI/A	0.5	OZ WT/A	PRE	0c	41b	13c	0b	10a
9		Nontreated						0c	0c	0c	0b	9a
LSD (P=.05)								22.7	22.4	12.9	6.1	4.5
Standard Deviation								15.6	15.3	8.8	4.2	3.1
CV								30.28	25.14	16.67	86.28	28.21
Grand Mean								51.36	61.06	53.06	4.86	10.92
Bartlett's X2								6.323	16.264	15.774	1.149	8.349
P(Bartlett's X2)								0.276	0.023*	0.027*	0.563	0.40

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Pest Code	RICE
Rating Date	7/May/2009
Rating Data Type	AVG HEIGHT
Rating Unit	cm
Trt-Eval Interval	22daPRE

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Permit	0.0234	LB AI/A	0.5	OZ WT/A	PRE	5a
2		Permit	0.047	LB AI/A	1	OZ WT/A	PRE	5a
3		Permit	0.094	LB AI/A	2	OZ WT/A	PRE	5a
4		Strada	0.0656	LB AI/A	2.1	OZ WT/A	PRE	6a
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	PRE	5a
6		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	PRE	5a
7		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	5a
8		Regiment	0.025	LB AI/A	0.5	OZ WT/A	PRE	5a
9		Nontreated						5a

LSD (P=.05)	0.7
Standard Deviation	0.5
CV	9.75
Grand Mean	5.02
Bartlett's X2	12.504
P(Bartlett's X2)	0.13

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Medium Grain Rice Variety Tolerance to Ricestar HT

Experiment number	**C09-30**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/20/09
Harvest date	8/21/09
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	5/1/09	5/12/09	5/19/09
Time [hh:mm-hh:mm]	11:50-12:20 P	4:10-4:30 P	2:20-2:50 P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	81/75	87/80	70/73
Relative humidity [%]	79%	83%	55%
Wind [mph, direction]	8-9 S	5-7 S	8-10 NE
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	moist/N/A	flood/dry	flood/dry
Crop stage/Height	PRE/N/A	4-5lf/6-8"	3-5lf/4-8"
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	15/22	15/22
Applied by	JBH	TPC	TPC

Flush Dates	N/A
Permanent Flood	4/30

*AMFF – Air mix flat fan nozzles

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Medium Grain Rice Variety Tolerance to Ricestar HT

Trial ID: C09-30 Protocol ID: C09-30
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								20/May/2009	20/May/2009	29/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	%
Trt-Eval Interval								8daEPOST	8daEPOST	10daLPOST	10daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		EPOST						0c	31cde	35e-l	0e
1		Neptune									
1	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
2		EPOST						15bc	28e-h	33g-p	14bcd
2		Neptune									
2	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
2	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
3		EPOST						16b	28fgh	31i-p	18a-d
3		Neptune									
3	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
3	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
4		EPOST						0c	27gh	30l-p	11cde
4		Jupiter									
4	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
5		EPOST						18ab	25ij	28p	15bcd
5		Jupiter									
5	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
5	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
6		EPOST						23ab	24j	30l-p	15bcd
6		Jupiter									
6	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
6	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
7		EPOST						0c	36a	41ab	11cde
7		Bengal									
7	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
8		EPOST						19ab	32cd	41abc	14bcd
8		Bengal									
8	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
8	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
9		EPOST						19ab	33bc	41abc	16bcd
9		Bengal									
9	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
9	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
10		EPOST						0c	34ab	42a	0e
10		Jazzman									
10	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
10	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								20/May/2009	20/May/2009	29/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	%
Trt-Eval Interval								8daEPOST	8daEPOST	10daLPOST	10daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
11		EPOST						20ab	29d-h	40abc	14bcd
11		Jazzman									
11	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
11	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
12		EPOST						23ab	29d-h	39a-d	15bcd
12		Jazzman									
12	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
12	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
13		EPOST						0c	29d-h	33g-p	0e
13		CLXL745									
13	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
13	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
14		EPOST						24ab	27ghi	30m-p	16bcd
14		CLXL745									
14	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
14	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
15		EPOST						26ab	26hij	32h-p	19a-d
15		CLXL745									
15	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
15	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
16		EPOST						0c	27ghi	30k-p	0e
16		Pirogue									
16	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
16	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
17		EPOST						30ab	25ij	32h-p	21a-d
17		Pirogue									
17	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
17	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
18		EPOST						34a	24j	32h-p	24ab
18		Pirogue									
18	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
18	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
19		EPOST						0c	31c-f	36d-i	0e
19		Catahoula									
19	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
19	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
20		EPOST						23ab	29d-h	35d-k	14bcd
20		Catahoula									
20	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
20	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
21		EPOST						23ab	29d-h	35d-k	15bcd
21		Catahoula									
21	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
21	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								20/May/2009	20/May/2009	29/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	%
Trt-Eval Interval								8daEPOST	8daEPOST	10daLPOST	10daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
22		EPOST						0c	34ab	36d-i	0e
22		Arize Hybrid									
22	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
22	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
23		EPOST						26ab	30d-g	34e-m	14bcd
23		Arize Hybrid									
23	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
23	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
24		EPOST						28ab	30d-g	36d-i	21a-d
24		Arize Hybrid									
24	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
24	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
25		LPOST								33f-o	10de
25		Neptune									
25	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
25	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
26		LPOST								34e-n	11cde
26		Neptune									
26	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
26	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
27		LPOST								34e-m	14bcd
27		Neptune									
27	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
27	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
28		LPOST								29op	13bcd
28		Jupiter									
28	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
28	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
29		LPOST								30k-p	10de
29		Jupiter									
29	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
29	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
30		LPOST								28p	13bcd
30		Jupiter									
30	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
30	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
31		LPOST								40abc	0e
31		Bengal									
31	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
31	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
32		LPOST								39a-e	14bcd
32		Bengal									
32	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
32	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								20/May/2009	20/May/2009	29/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	%
Trt-Eval Interval								8daEPOST	8daEPOST	10daLPOST	10daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
33		LPOST								37b-g	19a-d
33		Bengal									
33	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
33	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
34		LPOST								41abc	0e
34		Jazzman									
34	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
34	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
35		LPOST								36d-i	10de
35		Jazzman									
35	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
35	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
36		LPOST								36d-l	15bcd
36		Jazzman									
36	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
36	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
37		LPOST								33g-p	13bcd
37		CLXL745									
37	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
37	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
38		LPOST								31i-p	14bcd
38		CLXL745									
38	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
38	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
39		LPOST								32h-p	13bcd
39		CLXL745									
39	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
39	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
40		LPOST								32g-p	16bcd
40		Pirogue									
40	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
40	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
41		LPOST								31j-p	0e
41		Pirogue									
41	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
41	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
42		LPOST								29nop	23abc
42		Pirogue									
42	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
42	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
43		LPOST								37c-h	0e
43		Catahoula									
43	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
43	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								20/May/2009	20/May/2009	29/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	%
Trt-Eval Interval								8daEPOST	8daEPOST	10daLPOST	10daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
44		LPOST								35d-k	13bcd
44		Catahoula									
44	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
44	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
45		LPOST								35d-j	14bcd
45		Catahoula									
45	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
45	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
46		LPOST								38a-f	0e
46		Arize Hybrid									
46	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
46	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
47		LPOST								36d-l	28a
47		Arize Hybrid									
47	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
47	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
48		LPOST								34e-m	23abc
48		Arize Hybrid									
48	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
48	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
LSD (P=.05)								9.8	1.9	2.7	6.4
Standard Deviation								6.9	1.3	1.9	4.6
CV								45.82	4.55	5.6	38.53
Grand Mean								15.16	28.83	34.34	11.83
Bartlett's X2								16.289	25.71	43.896	32.949
P(Bartlett's X2)								0.363	0.315	0.602	0.47

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	10/Aug/2009	12/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								21daLPOST	21daLPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		EPOST						45hij	0c	74e	6797def
1		Neptune									
1	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
1	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
2		EPOST						46g-j	0c	76e	8186a-f
2		Neptune									
2	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
2	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
3		EPOST						47g-j	0c	81cde	7314b-f
3		Neptune									
3	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
3	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
4		EPOST						44j	0c	86b-e	8859a-e
4		Jupiter									
4	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
4	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
5		EPOST						46g-j	0c	86b-e	8822a-e
5		Jupiter									
5	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
5	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
6		EPOST						45ij	0c	89a-e	8904a-e
6		Jupiter									
6	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
6	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
7		EPOST						63ab	0c	84b-e	7950a-f
7		Bengal									
7	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
7	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
8		EPOST						60a-d	0c	94a-e	7018c-f
8		Bengal									
8	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
8	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
9		EPOST						59a-e	0c	90a-e	7798a-f
9		Bengal									
9	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
9	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
10		EPOST						61ab	0c	101a-d	7266b-f
10		Jazzman									
10	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
10	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
11		EPOST						63a	0c	103abc	7290b-f
11		Jazzman									
11	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
11	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	10/Aug/2009	12/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								21daLPOST	21daLPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
12		EPOST						60abc	0c	98a-d	7527a-f
12		Jazzman									
12	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
12	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
13		EPOST						49f-j	0c	92a-e	8878a-e
13		CLXL745									
13	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
13	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
14		EPOST						51d-j	0c	93a-e	9239a-d
14		CLXL745									
14	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
14	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
15		EPOST						46g-j	0c	94a-e	8556a-e
15		CLXL745									
15	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
15	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
16		EPOST						47g-j	0c	84b-e	8503a-e
16		Pirogue									
16	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
16	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
17		EPOST						46g-j	0c	83b-e	7664a-f
17		Pirogue									
17	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
17	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
18		EPOST						47g-j	0c	81de	7472a-f
18		Pirogue									
18	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
18	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
19		EPOST						50f-j	0c	85b-e	7200b-f
19		Catahoula									
19	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
19	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
20		EPOST						50f-j	0c	88a-e	6733def
20		Catahoula									
20	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
20	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
21		EPOST						52c-j	0c	92a-e	7390b-f
21		Catahoula									
21	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
21	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
22		EPOST						52c-j	0c	104ab	6388ef
22		Arize Hybrid									
22	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
22	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	10/Aug/2009	12/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								21daLPOST	21daLPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
23		EPOST						50e-j	0c	109a	7846a-f
23		Arize Hybrid									
23	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
23	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
24		EPOST						52c-j	0c	104ab	6956c-f
24		Arize Hybrid									
24	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
24	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
25		LPOST						50e-j	0c	91a-e	8547a-e
25		Neptune									
25	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
25	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
26		LPOST						49f-j	0c	93a-e	8356a-f
26		Neptune									
26	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
26	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
27		LPOST						48f-j	0c	94a-e	8026a-f
27		Neptune									
27	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
27	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
28		LPOST						46g-j	0c	89a-e	8303a-f
28		Jupiter									
28	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
28	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
29		LPOST						45hij	0c	88a-e	10098a
29		Jupiter									
29	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
29	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
30		LPOST						45g-j	0c	87b-e	8900a-e
30		Jupiter									
30	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
30	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
31		LPOST						60a-d	0c	86b-e	7692a-f
31		Bengal									
31	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
31	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
32		LPOST						61ab	0c	85b-e	7313b-f
32		Bengal									
32	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
32	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
33		LPOST						59a-e	0c	87a-e	7410b-f
33		Bengal									
33	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
33	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	10/Aug/2009	12/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								21daLPOST	21daLPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
34		LPOST						60a-d	0c	99a-d	7461a-f
34		Jazzman									
34	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
34	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
35		LPOST						61ab	0c	101a-d	7624a-f
35		Jazzman									
35	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
35	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
36		LPOST						63ab	0c	101a-d	7084c-f
36		Jazzman									
36	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
36	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
37		LPOST						50e-j	0c	101a-d	9789ab
37		CLXL745									
37	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
37	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
38		LPOST						51d-j	0c	103abc	9305a-d
38		CLXL745									
38	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
38	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
39		LPOST						50f-j	0c	99a-d	8903a-e
39		CLXL745									
39	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
39	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
40		LPOST						46g-j	0c	89a-e	8165a-f
40		Pirogue									
40	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
40	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
41		LPOST						48f-j	0c	88a-e	9463abc
41		Pirogue									
41	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
41	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
42		LPOST						46g-j	0c	87b-e	8975a-e
42		Pirogue									
42	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
42	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
43		LPOST						57a-f	0c	86b-e	7580a-f
43		Catahoula									
43	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
43	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
44		LPOST						54a-h	0c	86b-e	6665def
44		Catahoula									
44	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
44	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	10/Aug/2009	12/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								21daLPOST	21daLPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
45		LPOST						54b-l	0c	87a-e	7624a-f
45		Catahoula									
45	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
45	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
46		LPOST						51d-j	0c	89a-e	5722f
46		Arize Hybrid									
46	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
46	HERB	Ricestar HT	0	LB AI/A	0	FL OZ/A					
47		LPOST						55a-g	10b	95a-e	7181b-f
47		Arize Hybrid									
47	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
47	HERB	Ricestar HT	0.077	LB AI/A	17	FL OZ/A					
48		LPOST						50e-j	13a	98a-d	7573a-f
48		Arize Hybrid									
48	HERB	Command	0.2	LB AI/A	8.5	FL OZ/A	PRE				
48	HERB	Ricestar HT	0.109	LB AI/A	24	FL OZ/A					
LSD (P=.05)								5.2	1.0	11.8	1451.1
Standard Deviation								3.7	0.7	8.4	1036.5
CV								7.13	153.96	9.23	13.08
Grand Mean								51.72	0.47	91.17	7923.27
Bartlett's X2								38.644	0.0	133.613	61.603
P(Bartlett's X2)								0.802	.	0.001*	0.062

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Effectiveness of Permit Plus AMS + COC

Experiment number	**C09-36**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	POFL
Date applied [mm/dd/yy]	4/15/09	6/8/09
Time [hh:mm-hh:mm]	10:35-10:40 A	8:10-8:30 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	68/62	80/78
Relative humidity [%]	63%	80%
Wind [mph, direction]	3-5 E	2-3 S
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	moist/ N/A	wet/wet
Crop stage/Height	PRE/ N/A	2-3till/13-14"
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
Applied by	EPW	TPC

Weed Species (population)	---------- (height/#leaves) ----------
AESIN (20-30 m^{-2})	20-30"/6-10 lf
CYPES (20-30 m^{-2})	6-15"/6-10 lf
ALRPH (10-15m^{-2})	10-15"/5-7 lf
COMDI (4-6m^{-2})	4-5"/3-5 lf
ECLAL (8-10m^{-2})	6-10"/4-6 lf
CNPPA (8-12m^{-2})	4-8"/4-8 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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Effectiveness of Permit Plus AMS + COC
PER-09-22-T22

Trial ID: C09-36 Protocol ID: C09-36
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								AESIN	AESIN	ALRPH	ALRPH
Rating Date								19/Jun/2009	6/Jul/2009	19/Jun/2009	6/Jul/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								11daPOFL	28daPOFL	11daPOFL	28daPOFL
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	45a	48a	20ab	18a
1	HERB	Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
1		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	65a	58a	30a	28a
2		Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
2		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		AMS	2	LB/A	2	LB/A	POFL				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	68a	53a	33a	30a
3		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
3		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	70a	58a	23ab	23a
4		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
4		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		AMS	2	LB/A	2	LB/A	POFL				
5		Nontreated						0b	0b	0b	0b
LSD (P=.05)								22.1	24.7	19.3	15.2
Standard Deviation								14.3	16.0	12.5	9.9
CV								28.92	37.26	59.76	50.64
Grand Mean								49.5	43.0	21.0	19.5
Bartlett's X2								3.126	1.487	9.11	4.829
P(Bartlett's X2)								0.373	0.685	0.028*	0.185

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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Effectiveness of Permit Plus AMS + COC
PER-09-22-T22

Trial ID: C09-36 Protocol ID: C09-36
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECLAL	ECLAL	CYPIR	CYPIR
Rating Date							19/Jun/2009	6/Jul/2009	19/Jun/2009	6/Jul/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							11daPOFL	28daPOFL	11daPOFL	28daPOFL
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	18b	18ab	48b	45a
1	HERB	Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
1		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	20ab	23a	68ab	63a
2		Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
2		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		AMS	2	LB/A	2	LB/A	POFL				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	35a	28a	63ab	48a
3		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
3		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	23ab	20ab	75a	60a
4		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
4		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		AMS	2	LB/A	2	LB/A	POFL				
5		Nontreated						0c	0b	0c	0b
LSD (P=.05)								12.8	16.5	16.6	25.7
Standard Deviation								8.3	10.7	10.8	16.7
CV								43.77	61.06	21.31	38.86
Grand Mean								19.0	17.5	50.5	43.0
Bartlett's X2								3.724	1.898	0.891	0.697
P(Bartlett's X2)								0.293	0.387	0.828	0.874

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Effectiveness of Permit Plus AMS + COC
PER-09-22-T22

Trial ID: C09-36 Protocol ID: C09-36
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								CNPPA	CNPPA	RICE	RICE
Rating Date								19/Jun/2009	6/Jul/2009	19/Jun/2009	6/Jul/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								11daPOFL	28daPOFL	11daPOFL	28daPOFL
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	23a	28a	0a	0a
1	HERB	Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
1		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	30a	40a	0a	0a
2		Permit	0.031	LB AI/A	0.66	OZ WT/A	POFL				
2		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
2		AMS	2	LB/A	2	LB/A	POFL				
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	33a	38a	0a	0a
3		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
3		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	28a	35a	0a	0a
4		Permit	0.047	LB AI/A	1	OZ WT/A	POFL				
4		Agridex	1	% V/V	19.2	FL OZ/A	POFL				
4		AMS	2	LB/A	2	LB/A	POFL				
5		Nontreated						0b	0b	0a	0a
LSD (P=.05)								18.7	13.0	0.0	0.0
Standard Deviation								12.1	8.4	0.0	0.0
CV								53.98	30.06	0.0	0.0
Grand Mean								22.5	28.0	0.0	0.0
Bartlett's X2								5.381	3.724	0.0	0.0
P(Bartlett's X2)								0.146	0.293	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Harbinger Evaluation

Experiment number	**C09-37**
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	4/14/09
Harvest date	8/19/09
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	Overspray
Date applied [mm/dd/yy]	4/15/09	5/5/09
Time [hh:mm-hh:mm]	5:30-5:40 P	9:50-10:00 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	77/62	80/76
Relative humidity [%]	54%	88%
Wind [mph, direction]	2-3 E	0-2 SE
Weather [sunny, etc]	sunny	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/wet
Crop stage/Height	PRE/ N/A	1-2lf/3-4"
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
Applied by	EPW	EPW

Flush Dates	4/16, 5/15, 5/29
Permanent Flood	6/8

*AMFF – Air mix flat fan nozzles

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Harbinger Evaluation

Trial ID: C09-37 Protocol ID: C09-37
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE	RICE	RICE	RICE
Pest Code								RICE	RICE	RICE	RICE
Rating Date								15/May/2009	15/May/2009	15/May/2009	29/May/2009
Rating Data Type								INJURY	AVG HEIGHT	AVG STNDCNT	INJURY
Rating Unit								%	cm	no./18"	%
Trt-Eval Interval								30daPRE	30daPRE		44daPRE
1		Prowl	1	LB AI/A	2.42	PT/A	PRE	5c	21a	8a	8b
1		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
2		Prowl	2	LB AI/A	4.85	PT/A	PRE	13bc	19a	8a	0b
2		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
3		Prowl	4	LB AI/A	9.7	PT/A	PRE	13bc	20a	7a	23ab
3		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
4		Prowl	1	LB AI/A	2.42	PT/A	PRE	0c	19a	9a	0b
5		Prowl	2	LB AI/A	4.85	PT/A	PRE	15bc	20a	9a	0b
6		Prowl	4	LB AI/A	9.7	PT/A	PRE	33b	19a	6a	35a
7		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	0c	21a	11a	0b
7		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
8		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	0c	22a	10a	0b
8		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
9		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	0c	22a	9a	0b
9		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
10		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	0c	22a	10a	0b
11		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	13bc	21a	10a	0b
12		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	0c	21a	8a	0b
13		Harbinger	1	LB AI/A	2.42	PT/A	PRE	0c	19a	10a	0b
13		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
14		Harbinger	2	LB AI/A	4.85	PT/A	PRE	18bc	21a	9a	20ab
14		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
15		Harbinger	4	LB AI/A	9.7	PT/A	PRE	25bc	20a	11a	0b
15		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
16		Harbinger	1	LB AI/A	2.42	PT/A	PRE	20bc	21a	10a	0b
17		Harbinger	2	LB AI/A	4.85	PT/A	PRE	25bc	20a	8a	0b
18		Harbinger	4	LB AI/A	9.7	PT/A	PRE	48a	21a	8a	35a
LSD (P=.05)								13.9	2.3	3.5	16.8
Standard Deviation								9.9	1.6	2.5	11.9
CV								78.86	8.0	27.79	178.3
Grand Mean								12.5	20.35	8.96	6.67
Bartlett's X2								12.549	24.184	18.667	3.644
P(Bartlett's X2)								0.25	0.115	0.348	0.456

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							29/May/2009	29/May/2009	9/Jun/2009	9/Jun/2009
Rating Data Type							AVG STNDCNT	AVG HEIGHT	INJURY	AVG HEIGHT
Rating Unit							no./18"	cm	%	cm
Trt-Eval Interval							44daPRE	44daPRE	52daPRE	52daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Prowl	1	LB AI/A	2.42	PT/A	PRE	5a	27a	3c	48a
1		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
2		Prowl	2	LB AI/A	4.85	PT/A	PRE	5a	26a	0c	44a
2		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
3		Prowl	4	LB AI/A	9.7	PT/A	PRE	4a	27a	0c	47a
3		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
4		Prowl	1	LB AI/A	2.42	PT/A	PRE	6a	26a	0c	44a
5		Prowl	2	LB AI/A	4.85	PT/A	PRE	6a	28a	0c	50a
6		Prowl	4	LB AI/A	9.7	PT/A	PRE	5a	27a	21a	45a
7		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	5a	27a	0c	46a
7		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
8		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	6a	25a	0c	46a
8		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
9		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	5a	25a	0c	47a
9		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
10		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	5a	25a	0c	49a
11		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	6a	26a	0c	49a
12		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	4a	26a	0c	47a
13		Harbinger	1	LB AI/A	2.42	PT/A	PRE	5a	27a	0c	46a
13		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE				
14		Harbinger	2	LB AI/A	4.85	PT/A	PRE	5a	28a	0c	50a
14		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE				
15		Harbinger	4	LB AI/A	9.7	PT/A	PRE	4a	28a	0c	46a
15		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE				
16		Harbinger	1	LB AI/A	2.42	PT/A	PRE	5a	28a	0c	51a
17		Harbinger	2	LB AI/A	4.85	PT/A	PRE	5a	28a	0c	48a
18		Harbinger	4	LB AI/A	9.7	PT/A	PRE	5a	28a	11b	50a
LSD (P=.05)								1.3	2.8	3.9	4.5
Standard Deviation								0.9	2.0	2.7	3.2
CV								18.32	7.52	141.25	6.77
Grand Mean								4.93	26.77	1.94	47.32
Bartlett's X2								9.523	15.506	5.188	15.959
P(Bartlett's X2)								0.922	0.559	0.075	0.527

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code							RICE	RICE
Rating Date							17/Aug/2009	19/Aug/2009
Rating Data Type							AVG HEIGHT	YIELD
Rating Unit							cm	lb/A
Trt-Eval Interval							Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Prowl	1	LB AI/A	2.42	PT/A	PRE	89a	4868ab
1		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE		
2		Prowl	2	LB AI/A	4.85	PT/A	PRE	86a	6183a
2		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE		
3		Prowl	4	LB AI/A	9.7	PT/A	PRE	89a	5351ab
3		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE		
4		Prowl	1	LB AI/A	2.42	PT/A	PRE	85a	5873ab
5		Prowl	2	LB AI/A	4.85	PT/A	PRE	85a	5037ab
6		Prowl	4	LB AI/A	9.7	PT/A	PRE	87a	4900ab
7		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	83a	5487ab
7		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE		
8		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	87a	6361a
8		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE		
9		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	87a	5597ab
9		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE		
10		Prowl H2O	1	LB AI/A	2.1	PT/A	PRE	85a	6067a
11		Prowl H2O	2	LB AI/A	4.2	PT/A	PRE	86a	5043ab
12		Prowl H2O	4	LB AI/A	8.4	PT/A	PRE	86a	4965ab
13		Harbinger	1	LB AI/A	2.42	PT/A	PRE	86a	4705ab
13		Safeguard	1.67	LB AI/A	1.6	PT/A	PRE		
14		Harbinger	2	LB AI/A	4.85	PT/A	PRE	89a	6014a
14		Safeguard	3.34	LB AI/A	3.2	PT/A	PRE		
15		Harbinger	4	LB AI/A	9.7	PT/A	PRE	88a	5058ab
15		Safeguard	6.7	LB AI/A	6.4	PT/A	PRE		
16		Harbinger	1	LB AI/A	2.42	PT/A	PRE	86a	5395ab
17		Harbinger	2	LB AI/A	4.85	PT/A	PRE	88a	5539ab
18		Harbinger	4	LB AI/A	9.7	PT/A	PRE	86a	4241b
LSD (P=.05)								5.1	967.1
Standard Deviation								3.6	683.8
CV								4.17	12.73
Grand Mean								86.38	5371.24
Bartlett's X2								13.276	15.366
P(Bartlett's X2)								0.718	0.569

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux plus Bolero Sprangletop

Experiment number..... : **C09-40**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : E-MPOST
Date applied [mm/dd/yy] ..... : 5/11/09
Time [hh:mm-hh:mm]..... : 2:05-2:20 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 88/84
Relative humidity [%]..... : 69%
Wind [mph, direction] ..... : 4-6 SW
Weather [sunny, etc] ..... : pt cloudy
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 3-5 lf
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : Hensley

Weed Species (population)..... :- (height/#leaves) -
ECHCG (150-200 m^{-2})..... : 1-6"/2 lf-1 til
BRAPP (75-100 m^{-2}) ..... : 0.5-6"/1 lf -1 til
LEFPA (20-30 m^{-2}) ..... : 0.5-2"/1 lf-4 lf
CYPES (2-3 m^{-2}) ..... : 4-8"/3-12 lf
CYPIR (75-100 m^{-2})……. ..... : 1-2"/3-6 lf
AESIN (4-6 m^{-2})…….. ..... : 2-4"/3-6 lf
CNPPA (2-6 m^{-2})…….. ..... : 1-3"/cot-2 lf

Flush Dates ..... : 4/16, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Efficacy of Ricebeaux plus Bolero Sprangletop

Trial ID: C09-40 Protocol ID: C09-40
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								29/May/2009	10/Jun/2009	29/May/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								18daMPOST	30daEPOST	18daMPOST	30daEPOST
1		Nontreated						0c	0c	0d	0c
2		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	35b	0c	35c	0c
3		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	33b	0c	35c	0c
4		Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	65a	38b	70a	55ab
5		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	63a	53ab	63ab	63ab
5	HERB	Bolero	2.5	LB AI/A	1.25	QT/A	E-MPOST				
6		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	60a	38b	60ab	53ab
6		Bolero	1.75	LB AI/A	0.875	QT/A	E-MPOST				
7	HERB	Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	58a	48ab	55abc	63ab
7		Bolero	1	LB AI/A	0.5	QT/A	E-MPOST				
8	HERB	Arrosolo	3	LB AI/A	2	QT/A	E-MPOST	53a	35b	45bc	40b
9	HERB	Arrosolo	4.5	LB AI/A	3	QT/A	E-MPOST	64a	43b	65ab	60ab
10	HERB	Arrosolo	6	LB AI/A	4	QT/A	E-MPOST	66a	68a	73a	74a
LSD (P=.05)								14.4	17.7	15.1	17.3
Standard Deviation								9.9	12.2	10.4	11.9
CV								20.08	38.18	20.76	29.34
Grand Mean								49.5	32.0	50.0	40.63
Bartlett's X2								12.091	4.709	5.945	3.062
P(Bartlett's X2)								0.147	0.582	0.653	0.801

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								LEFPA	AESIN	AESIN	ALRPH
Rating Date								29/May/2009	29/May/2009	10/Jun/2009	29/May/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								18daMPOST	18daMPOST	30daEPOST	18daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0c	0d	0b	0b
2		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	35b	48c	0b	0b
3		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	35b	60bc	0b	0b
4		Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	65a	88a	33a	53a
5		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	61a	73ab	0b	30a
5	HERB	Bolero	2.5	LB AI/A	1.25	QT/A	E-MPOST				
6		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	60a	83a	38a	40a
6		Bolero	1.75	LB AI/A	0.875	QT/A	E-MPOST				
7	HERB	Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	63a	83a	38a	38a
7		Bolero	1	LB AI/A	0.5	QT/A	E-MPOST				
8	HERB	Arrosolo	3	LB AI/A	2	QT/A	E-MPOST	45ab	73ab	0b	28a
9	HERB	Arrosolo	4.5	LB AI/A	3	QT/A	E-MPOST	63a	83a	0b	43a
10	HERB	Arrosolo	6	LB AI/A	4	QT/A	E-MPOST	66a	90a	35a	50a
LSD (P=.05)								14.8	14.1	8.5	19.8
Standard Deviation								10.2	9.7	5.8	13.7
CV								20.68	14.29	40.91	48.8
Grand Mean								49.25	67.75	14.25	28.0
Bartlett's X2								12.863	12.491	1.495	8.774
P(Bartlett's X2)								0.117	0.131	0.683	0.187

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	ALRPH
Rating Date	10/Jun/2009
Rating Data Type	CONTROL
Rating Unit	%
Trt-Eval Interval	30daEPOST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Nontreated						0a
2		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	0a
3		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	0a
4		Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	0a
5		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	0a
5	HERB	Bolero	2.5	LB AI/A	1.25	QT/A	E-MPOST	
6		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	0a
6		Bolero	1.75	LB AI/A	0.875	QT/A	E-MPOST	
7	HERB	Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	0a
7		Bolero	1	LB AI/A	0.5	QT/A	E-MPOST	
8	HERB	Arrosolo	3	LB AI/A	2	QT/A	E-MPOST	0a
9	HERB	Arrosolo	4.5	LB AI/A	3	QT/A	E-MPOST	0a
10	HERB	Arrosolo	6	LB AI/A	4	QT/A	E-MPOST	0a

LSD (P=.05)	0.0
Standard Deviation	0.0
CV	0.0
Grand Mean	0.0
Bartlett's X2	0.0
P(Bartlett's X2)	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Efficacy of Ricebeaux plus Bolero Sprangletop

Trial ID: C09-40 Protocol ID: C09-40
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE
Rating Date								29/May/2009	10/Jun/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								18daMPOST	30daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		Nontreated						0a	0a
2		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	0a	0a
3		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	0a	0a
4		Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	0a	0a
5		Ricebeau	3	LB AI/A	2	QT/A	E-MPOST	0a	0a
5	HERB	Bolero	2.5	LB AI/A	1.25	QT/A	E-MPOST		
6		Ricebeau	4.5	LB AI/A	3	QT/A	E-MPOST	0a	0a
6		Bolero	1.75	LB AI/A	0.875	QT/A	E-MPOST		
7	HERB	Ricebeau	6	LB AI/A	4	QT/A	E-MPOST	0a	0a
7		Bolero	1	LB AI/A	0.5	QT/A	E-MPOST		
8	HERB	Arrosolo	3	LB AI/A	2	QT/A	E-MPOST	0a	0a
9	HERB	Arrosolo	4.5	LB AI/A	3	QT/A	E-MPOST	0a	0a
10	HERB	Arrosolo	6	LB AI/A	4	QT/A	E-MPOST	0a	0a
LSD (P=.05)								0.0	0.0
Standard Deviation								0.0	0.0
CV								0.0	0.0
Grand Mean								0.0	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Ricestar HT Adjuvant and Nitrogen Tankmixes

Experiment number..... : **C09-41**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 5/13/09
Time [hh:mm-hh:mm] ..... : 12:15-12:40 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 86/84
Relative humidity [%]..... : 72%
Wind [mph, direction] ..... : 7-9 S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 2-4lf/4-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
ECHCG (200-300 m^{-2})..... : 1-6"/3lf-2 til
BRAPP(50-70 m^{-2}) ..... : 1-4"/3lf-2 til
LEFPA(20-30m^{-2}) ..... : ½-1"/2-4 lf
AESIN(5-15m^{-2})..... : 3-6"/4-6 lf

Flush Dates ..... : 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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Ricestar HT Adjuvant and Nitrogen Tankmixes

Trial ID: C09-41 Protocol ID: C09-41
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								26/May/2009	9/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								13daMPOST	27daMPOST	37daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0c	0c	0b
2	HERB	Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	70a	83a	40a
3		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	73a	84a	38a
3		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
4		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	76a	92a	53a
4		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
5		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	79a	94a	58a
5		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	91a	38a
6		Agridex	1.67	% V/V	1	QT/A	MPOST			
7		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	90a	45a
7		MSO	1.25	% V/V	1.5	PT/A	MPOST			
8		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	85a	33a
8		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
9		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	78a	89a	45a
9		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
10		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	84a	91a	48a
10		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
10		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
11		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	75a	88a	43a
11		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
11		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
12		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	73a	88a	40a
12		MSO	1.25	% V/V	1.5	PT/A	MPOST			
12		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
13		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	95a	48a
13		MSO	1.25	% V/V	1.5	PT/A	MPOST			
13		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
14	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	23b	56b	13b
14		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
LSD (P=.05)								10.6	12.2	17.5
Standard Deviation								7.4	8.5	12.3
CV								11.36	10.61	31.95
Grand Mean								65.27	80.29	38.39
Bartlett's X2								15.808	34.756	9.77
P(Bartlett's X2)								0.148	0.001*	0.636

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Ricestar HT Adjuvant and Nitrogen Tankmixes

Trial ID: C09-41 Protocol ID: C09-41
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								BRAPP	BRAPP	BRAPP
Rating Date								26/May/2009	9/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								13daMPOST	27daMPOST	37daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0c	0c	0c
2	HERB	Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	70a	91a	68ab
3		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	73a	91a	68ab
3		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
4		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	76a	97a	68ab
4		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
5		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	79a	97a	73a
5		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	69a	95a	68ab
6		Agridex	1.67	% V/V	1	QT/A	MPOST			
7		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	95a	68ab
7		MSO	1.25	% V/V	1.5	PT/A	MPOST			
8		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	71a	91a	65ab
8		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
9		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	79a	95a	68ab
9		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
10		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	84a	95a	70ab
10		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
10		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
11		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	75a	95a	68ab
11		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
11		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
12		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	70a	95a	63ab
12		MSO	1.25	% V/V	1.5	PT/A	MPOST			
12		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
13		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	69a	97a	70ab
13		MSO	1.25	% V/V	1.5	PT/A	MPOST			
13		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
14	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	25b	61b	55b
14		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
LSD (P=.05)								13.2	5.5	8.8
Standard Deviation								9.2	3.9	6.1
CV								14.17	4.53	9.91
Grand Mean								65.0	85.36	61.96
Bartlett's X2								17.837	21.058	5.391
P(Bartlett's X2)								0.085	0.021*	0.944

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Ricestar HT Adjuvant and Nitrogen Tankmixes

Trial ID: C09-41 Protocol ID: C09-41
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								26/May/2009	9/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								13daMPOST	27daMPOST	37daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Nontreated						0a	0a	0a
2	HERB	Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
3		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
3		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
4		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
4		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
5		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
5		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
6		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
6		Agridex	1.67	% V/V	1	QT/A	MPOST			
7		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
7		MSO	1.25	% V/V	1.5	PT/A	MPOST			
8		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
8		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
8		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
9		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
9		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
9		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
10		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
10		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
10		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
11		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
11		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
11		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
12		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
12		MSO	1.25	% V/V	1.5	PT/A	MPOST			
12		Ammonium Sulfate	3	LB/A	3	LB/A	MPOST			
13		Ricestar HT	0.106	LB AI/A	23.46	FL OZ/A	MPOST	0a	0a	0a
13		MSO	1.25	% V/V	1.5	PT/A	MPOST			
13		UAN 32%	1	LB AI/A	1.5	QT/A	MPOST			
14	HERB	Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	0a	0a	0a
14		Agridex	1.67	% V/V	32	FL OZ/A	MPOST			
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

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Grasp + Clincher Premix in Water-seeded Rice

Experiment number..... : **C09-42**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 5/13/09
Time [hh:mm-hh:mm]..... : 1:45-2:20 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 86/84
Relative humidity [%]..... : 72%
Wind [mph, direction] ..... : 7-9 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 ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
BRAPP (100-130 m^{-2}) ..... : 1-4"/3lf-1til
ECHCG(50-80 m^{-2})..... : 1-4"/3lf-1til
ALRPH(3-5m^{-2})..... : 4-10"/6-12lf
AESIN(3-5m^{-2})..... : 2-4"/3-6lf
CYPES(3-5m^{-2})……..... : 6-10"/4-6lf

Flush Dates ..... : 4/16, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Grasp + Clincher Premix in Water-seeded Rice

Trial ID: C09-42 Protocol ID: C09-42
Location: RRS Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		GF-2278	0.254	LB AI/A	16	FL OZ/A	MPOST	58a	35a-d	13ab
1		MSO	0.83	% V/V	1	PT/A	MPOST			
2		GF-2278	0.285	LB AI/A	18	FL OZ/A	MPOST	60a	35a-d	13ab
2		MSO	0.83	% V/V	1	PT/A	MPOST			
3		GF-2278	0.317	LB AI/A	20	FL OZ/A	MPOST	60a	53abc	14ab
3		MSO	0.83	% V/V	1	PT/A	MPOST			
4		GF-2278	0.634	LB AI/A	40	FL OZ/A	MPOST	70a	73a	18a
4		MSO	0.83	% V/V	1	PT/A	MPOST			
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	58a	28bcd	13ab
5		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST			
5		MSO	0.83	% V/V	1	PT/A	MPOST			
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	63a	33a-d	10ab
6		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST			
6		MSO	0.83	% V/V	1	PT/A	MPOST			
7		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	63a	60ab	13ab
7		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST			
7		MSO	0.83	% V/V	1	PT/A	MPOST			
8		Grasp	0.078	LB AI/A	5	FL OZ/A	MPOST	63a	53abc	18a
8		Clincher	0.56	LB AI/A	30	FL OZ/A	MPOST			
8		MSO	0.83	% V/V	1	PT/A	MPOST			
9		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	43b	20bcd	13ab
9		MSO	0.83	% V/V	1	PT/A	MPOST			
10		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	40b	20bcd	13ab
10		MSO	0.83	% V/V	1	PT/A	MPOST			
11		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	38b	10cd	10ab
11		MSO	0.83	% V/V	1	PT/A	MPOST			
12		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST	60a	33a-d	19a
12		MSO	0.83	% V/V	1	PT/A	MPOST			
13		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST	58a	35a-d	11ab
13		MSO	0.83	% V/V	1	PT/A	MPOST			
14		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	55a	10cd	10ab
14		MSO	0.83	% V/V	1	PT/A	MPOST			
15		Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST	58a	33a-d	15ab
15		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
16		Nontreated						0c	0d	0b

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Treatment Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
LSD (P=.05)							9.9	24.7	8.8
Standard Deviation							6.9	17.3	6.2
CV							13.15	52.48	49.64
Grand Mean							52.66	32.97	12.42
Bartlett's X2							5.522	8.97	8.774
P(Bartlett's X2)							0.962	0.705	0.643

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Grasp + Clincher Premix in Water-seeded Rice

Trial ID: C09-42 Protocol ID: C09-42
Location: RRS Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		GF-2278	0.254	LB AI/A	16	FL OZ/A	MPOST	50b	20bc	13a
1		MSO	0.83	% V/V	1	PT/A	MPOST			
2		GF-2278	0.285	LB AI/A	18	FL OZ/A	MPOST	50b	25bc	15a
2		MSO	0.83	% V/V	1	PT/A	MPOST			
3		GF-2278	0.317	LB AI/A	20	FL OZ/A	MPOST	50b	25bc	13a
3		MSO	0.83	% V/V	1	PT/A	MPOST			
4		GF-2278	0.634	LB AI/A	40	FL OZ/A	MPOST	65a	48a	19a
4		MSO	0.83	% V/V	1	PT/A	MPOST			
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	50b	10bc	13a
5		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST			
5		MSO	0.83	% V/V	1	PT/A	MPOST			
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	53b	23bc	10a
6		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST			
6		MSO	0.83	% V/V	1	PT/A	MPOST			
7		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	53b	25bc	9a
7		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST			
7		MSO	0.83	% V/V	1	PT/A	MPOST			
8		Grasp	0.078	LB AI/A	5	FL OZ/A	MPOST	58ab	30b	18a
8		Clincher	0.56	LB AI/A	30	FL OZ/A	MPOST			
8		MSO	0.83	% V/V	1	PT/A	MPOST			
9		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	30c	10bc	10a
9		MSO	0.83	% V/V	1	PT/A	MPOST			
10		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	30c	10bc	13a
10		MSO	0.83	% V/V	1	PT/A	MPOST			
11		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	23c	10bc	10a
11		MSO	0.83	% V/V	1	PT/A	MPOST			
12		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST	53b	28b	21a
12		MSO	0.83	% V/V	1	PT/A	MPOST			
13		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST	50b	20bc	9a
13		MSO	0.83	% V/V	1	PT/A	MPOST			
14		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	48b	10bc	15a
14		MSO	0.83	% V/V	1	PT/A	MPOST			
15		Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST	48b	15bc	18a
15		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
16		Nontreated						0d	0c	0a

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Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
LSD (P=.05)							7.9	15.3	11.2
Standard Deviation							5.5	10.7	7.9
CV							12.48	55.57	62.17
Grand Mean							44.22	19.22	12.66
Bartlett's X2							4.134	6.179	18.851
P(Bartlett's X2)							0.941	0.722	0.064

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Grasp + Clincher Premix in Water-seeded Rice

Trial ID: C09-42 Protocol ID: C09-42
Location: RRS Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		GF-2278	0.254	LB AI/A	16	FL OZ/A	MPOST	0a	0a	0a
1		MSO	0.83	% V/V	1	PT/A	MPOST			
2		GF-2278	0.285	LB AI/A	18	FL OZ/A	MPOST	0a	0a	0a
2		MSO	0.83	% V/V	1	PT/A	MPOST			
3		GF-2278	0.317	LB AI/A	20	FL OZ/A	MPOST	0a	0a	0a
3		MSO	0.83	% V/V	1	PT/A	MPOST			
4		GF-2278	0.634	LB AI/A	40	FL OZ/A	MPOST	0a	0a	0a
4		MSO	0.83	% V/V	1	PT/A	MPOST			
5		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	0a	0a	0a
5		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST			
5		MSO	0.83	% V/V	1	PT/A	MPOST			
6		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	0a	0a	0a
6		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST			
6		MSO	0.83	% V/V	1	PT/A	MPOST			
7		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	0a	0a	0a
7		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST			
7		MSO	0.83	% V/V	1	PT/A	MPOST			
8		Grasp	0.078	LB AI/A	5	FL OZ/A	MPOST	0a	0a	0a
8		Clincher	0.56	LB AI/A	30	FL OZ/A	MPOST			
8		MSO	0.83	% V/V	1	PT/A	MPOST			
9		Grasp	0.0312	LB AI/A	2	FL OZ/A	MPOST	0a	0a	0a
9		MSO	0.83	% V/V	1	PT/A	MPOST			
10		Grasp	0.036	LB AI/A	2.3	FL OZ/A	MPOST	0a	0a	0a
10		MSO	0.83	% V/V	1	PT/A	MPOST			
11		Grasp	0.039	LB AI/A	2.5	FL OZ/A	MPOST	0a	0a	0a
11		MSO	0.83	% V/V	1	PT/A	MPOST			
12		Clincher	0.223	LB AI/A	12	FL OZ/A	MPOST	0a	0a	0a
12		MSO	0.83	% V/V	1	PT/A	MPOST			
13		Clincher	0.25	LB AI/A	13.5	FL OZ/A	MPOST	0a	0a	0a
13		MSO	0.83	% V/V	1	PT/A	MPOST			
14		Clincher	0.28	LB AI/A	15	FL OZ/A	MPOST	0a	0a	0a
14		MSO	0.83	% V/V	1	PT/A	MPOST			
15		Regiment	0.025	LB AI/A	0.5	OZ WT/A	MPOST	0a	0a	0a
15		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	MPOST			
16		Nontreated						0a	0a	0a

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Pest Code							RICE	RICE	RICE
Rating Date							29/May/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							16daMPOST	29daMPOST	41daMPOST
Trt No.	Treatment Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
LSD (P=.05)							0.0	0.0	0.0
Standard Deviation							0.0	0.0	0.0
CV							0.0	0.0	0.0
Grand Mean							0.0	0.0	0.0
Bartlett's X2							0.0	0.0	0.0
P(Bartlett's X2)							.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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CLXL Tolerance to Ricebeaux

Experiment number	**C09-43**
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	4/14/09
Harvest date	8/21/09
Crop/Variety	CLXL745
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	DPRE	EPOST
Date applied [mm/dd/yy]	4/27/09	5/11/09
Time [hh:mm-hh:mm]	9:55-10:05 A	12:50-1:55 P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	78/78	88/84
Relative humidity [%]	91%	69%
Wind [mph, direction]	5-8 SE	4-6 SW
Weather [sunny, etc]	cloudy	pt cloudy
Soil/Leaf surface moist	wet/N/A	dry/dry
Crop stage/Height	PRE/N/A	3-5 lf
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
Applied by	EPW	Hensley

Weed Species (population)	---------- (height/#leaves) ----------
BRAPP (50-75 m^{-2})	1-3"/2-5 lf
AESIN (25-30 m^{-2})	0.5-3"/1 lf-1 til
CNPPA (30-40 m^{-2})	1-3"/1-4 lf
ECHCG (10-15 m^{-2})	0.5-2"/cot-2 lf

Flush Dates	4/17, 5/15, 5/30
Permanent Flood	6/9

*AMFF – Air mix flat fan nozzles

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CLXL 745 Tolerance to Ricebeaux

Trial ID: C09-43 Protocol ID: C09-43
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								29/May/2009	29/May/2009	17/Aug/2009	21/Aug/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit								cm	%	cm	lb/A
Trt-Eval Interval								18daEPOST	18daEPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Newpath						23a	0a	113a	4900a
1		no Ricebeau									
2		No Newpath						24a	0a	115a	6895a
2	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
3		No Newpath						25a	0a	114a	6574a
3		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
4		No Newpath						26a	0a	117a	7505a
4		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
5		No Newpath						24a	0a	111a	6488a
5		Riceshot	3	LB AI/A	3	QT/A	EPOST				
6		No Newpath						23a	0a	111a	6492a
6		Bolero	3	LB AI/A	3	PT/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	25a	0a	110a	6351a
7		no Ricebeau									
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	23a	0a	112a	7317a
8	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	27a	0a	115a	7161a
9		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	25a	0a	114a	8020a
10		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	27a	0a	116a	6254a
11		Riceshot	3	LB AI/A	3	QT/A	EPOST				
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	23a	0a	115a	6588a
12		Bolero	3	LB AI/A	3	PT/A	EPOST				
13		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	24a	0a	115a	5568a
13		no Ricebeau									
14		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	24a	0a	112a	6878a
14	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
15		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	27a	0a	117a	6352a
15		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
16		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	26a	0a	116a	6878a
16		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
17		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	26a	0a	112a	6634a
17		Riceshot	3	LB AI/A	3	QT/A	EPOST				

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							29/May/2009	29/May/2009	17/Aug/2009	21/Aug/2009
Rating Data Type							AVG HEIGHT	INJURY	AVG HEIGHT	YIELD
Rating Unit							cm	%	cm	lb/A
Trt-Eval Interval							18daEPOST	18daEPOST	Harvest	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
18		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	25a	0a	112a	7375a
18		Bolero	3	LB AI/A	3	PT/A	EPOST				
LSD (P=.05)								3.4	0.0	6.8	1668.7
Standard Deviation								2.4	0.0	4.8	1180.0
CV								9.75	0.0	4.26	17.67
Grand Mean								24.73	0.0	113.65	6679.48
Bartlett's X2								19.473	0.0	11.172	11.306
P(Bartlett's X2)								0.302	.	0.847	0.84

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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CLXL 729 Tolerance to Ricebeaux

Experiment number	**C09-44**
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	4/14/09
Harvest date	8/21/09
Crop/Variety	CLXL729
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	DRE	EPOST
Date applied [mm/dd/yy]	4/27/09	5/11/09
Time [hh:mm-hh:mm]	9:45-9:55 A	12:50-1:55 P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	78/78	88/84
Relative humidity [%]	91%	69%
Wind [mph, direction]	5-8 SE	4-6 SW
Weather [sunny, etc]	cloudy	pt cloudy
Soil/Leaf surface moist	wet/N/A	dry/dry
Crop stage/Height	PRE/N/A	3-4 lf
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
Applied by	EPW	Hensley

Weed Species (population)	---------- (height/#leaves) ----------
ECHCG (10-15 m^{-2})	1-3"/2-5 lf
BRAPP (50-75 m^{-2})	½ -3"/1 lf-1 til
AESIN (25-30 m^{-2})	1-3"/1-4 lf
CNPPA (30-40 m^{-2})	½ -2"/cot-2 lf

Flush Dates	4/17, 5/15, 5/30
Permanent Flood	6/9

*AMFF – Air mix flat fan nozzles

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CLXL 729 Tolerance to Ricebeaux

Trial ID: C09-44 Protocol ID: C09-44
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								15/May/2009	29/May/2009	29/May/2009	17/Aug/2009
Rating Data Type								INJURY	INJURY	AVG HEIGHT	AVG HEIGHT
Rating Unit								%	%	cm	cm
Trt-Eval Interval								4daEPOST	18daEPOST	18daEPOST	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Newpath						0c	0a	24a	107a
1		no Ricebeau									
2		No Newpath						0c	0a	25a	112a
2	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
3		No Newpath						10bc	0a	25a	110a
3		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
4		No Newpath						30abc	0a	24a	114a
4		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
5		No Newpath						0c	0a	24a	115a
5		Riceshot	3	LB AI/A	3	QT/A	EPOST				
6		No Newpath						0c	0a	24a	107a
6		Bolero	3	LB AI/A	3	PT/A	EPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0c	0a	23a	114a
7		no Ricebeau									
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0c	0a	25a	111a
8	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	28abc	0a	25a	113a
9		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	30abc	0a	24a	113a
10		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0c	0a	26a	112a
11		Riceshot	3	LB AI/A	3	QT/A	EPOST				
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	0c	0a	24a	107a
12		Bolero	3	LB AI/A	3	PT/A	EPOST				
13		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	0c	0a	23a	111a
13		no Ricebeau									
14		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	10bc	0a	26a	114a
14	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST				
15		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	35ab	0a	25a	112a
15		Ricebeau	6	LB AI/A	4	QT/A	EPOST				
16		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	43a	0a	26a	108a
16		Ricebeau	9	LB AI/A	6	QT/A	EPOST				
17		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	0c	0a	23a	112a
17		Riceshot	3	LB AI/A	3	QT/A	EPOST				

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							15/May/2009	29/May/2009	29/May/2009	17/Aug/2009
Rating Data Type							INJURY	INJURY	AVG HEIGHT	AVG HEIGHT
Rating Unit							%	%	cm	cm
Trt-Eval Interval							4daEPOST	18daEPOST	18daEPOST	Harvest
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
18		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	0c	0a	25a	108a
18		Bolero	3	LB AI/A	3	PT/A	EPOST				
LSD (P=.05)								17.0	0.0	2.5	6.2
Standard Deviation								12.0	0.0	1.8	4.4
CV								116.67	0.0	7.26	3.97
Grand Mean								10.28	0.0	24.48	110.99
Bartlett's X2								0.514	0.0	15.541	11.812
P(Bartlett's X2)								0.972	.	0.557	0.811

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	RICE
Rating Date	24/Aug/2009
Rating Data Type	YIELD
Rating Unit	lb/A
Trt-Eval Interval	Harvest

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		No Newpath						5381b
1		no Ricebeau						
2		No Newpath						8146ab
2	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	
3		No Newpath						8630ab
3		Ricebeau	6	LB AI/A	4	QT/A	EPOST	
4		No Newpath						8695ab
4		Ricebeau	9	LB AI/A	6	QT/A	EPOST	
5		No Newpath						8374ab
5		Riceshot	3	LB AI/A	3	QT/A	EPOST	
6		No Newpath						6670ab
6		Bolero	3	LB AI/A	3	PT/A	EPOST	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	8724ab
7		no Ricebeau						
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	7675ab
8	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	9391a
9		Ricebeau	6	LB AI/A	4	QT/A	EPOST	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	8491ab
10		Ricebeau	9	LB AI/A	6	QT/A	EPOST	
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	8675ab
11		Riceshot	3	LB AI/A	3	QT/A	EPOST	
12		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	9198a
12		Bolero	3	LB AI/A	3	PT/A	EPOST	
13		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	8838ab
13		no Ricebeau						
14		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	8755ab
14	HERB	Ricebeau	4.5	LB AI/A	3	QT/A	EPOST	
15		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	8223ab
15		Ricebeau	6	LB AI/A	4	QT/A	EPOST	
16		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	7595ab
16		Ricebeau	9	LB AI/A	6	QT/A	EPOST	
17		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	7809ab
17		Riceshot	3	LB AI/A	3	QT/A	EPOST	
18		Newpath	0.094	LB AI/A	6	FL OZ/A	EPOST	9833a
18		Bolero	3	LB AI/A	3	PT/A	EPOST	

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Pest Code	RICE
Rating Date	24/Aug/2009
Rating Data Type	YIELD
Rating Unit	lb/A
Trt-Eval Interval	Harvest

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
LSD (P=.05)								2066.5
Standard Deviation								1239.4
CV								14.96
Grand Mean								8283.42
Bartlett's X2								23.143
P(Bartlett's X2)								0.145

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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CL Rice Variety Tolerance to Newpath/Beyond

Experiment number	**C09-45**
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	5/12/09
Harvest date	9/10/09
Crop/Variety	Variety
Emergence date	5/19/09
Uniform std. treatment	N/A

Application type	VEPOST	MPOST	LPOST
Date applied [mm/dd/yy]	6/1/09	6/10/09	6/17/09
Time [hh:mm-hh:mm]	9:00-9:10 A	10:45-11:00 A	9:45-10:00 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	83/80	91/85	88/80
Relative humidity [%]	70%	74%	75%
Wind [mph, direction]	1-2 SE	4-5 SW	7-8 S
Weather [sunny, etc]	sunny	sunny	pt cloudy
Soil/Leaf surface moist	moist/dry	dry/dry	flooded/dry
Crop stage/Height	2-3lf/3-4"	5lf-2till/6-10"	2-3till/13-16"
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	18/4/15
GPA/PSI	15/22	15/22	15/22
Applied by	TPC	TPC	JBH

Flush Dates :
Permanent Flood :

*AMFF – Air mix flat fan nozzles

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CL Rice Variety Tolerance to Newpath/Beyond

Trial ID: C09-45 Protocol ID: C09-45
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								9/Jun/2009	9/Jun/2009	19/Jun/2009	19/Jun/2009
Rating Data Type								AVG HEIGHT	INJURY	AVG HEIGHT	INJURY
Rating Unit								cm	%	cm	%
Trt-Eval Interval								8daVEPOST	8daVEPOST	9daMPOST	9daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		CL161						21bc	0a	40ab	0a
1		Check									
2		CL161						21bc	0a	40ab	0a
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
2		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
2	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		CL161						21bc	0a	42ab	0a
3		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
3		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
3		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		XC011						20bc	0a	38b	0a
4		Check									
5		XC011						21bc	0a	38b	0a
5		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
5		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		XC011						20bc	0a	39b	0a
6		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
6		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
6		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		AR-113						25a	0a	43ab	0a
7		Check									
8		AR-113						22b	0a	46a	0a
8		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
8		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							9/Jun/2009	9/Jun/2009	19/Jun/2009	19/Jun/2009
Rating Data Type							AVG HEIGHT	INJURY	AVG HEIGHT	INJURY
Rating Unit							cm	%	cm	%
Trt-Eval Interval							8daVEPOST	8daVEPOST	9daMPOST	9daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
9		AR-113						23b	0a	37b	0a
9		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
9		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
9		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		AR-091						19c	0a	37b	0a
10		Check									
11		AR-091						20bc	0a	37b	0a
11		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
11		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
12		AR-091						20bc	0a	36b	0a
12		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
12		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
LSD (P=.05)								2.0	0.0	4.5	0.0
Standard Deviation								1.2	0.0	2.7	0.0
CV								5.56	0.0	6.77	0.0
Grand Mean								21.04	0.0	39.41	0.0
Bartlett's X2								2.821	0.0	9.193	0.0
P(Bartlett's X2)								0.993	.	0.604	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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CL Rice Variety Tolerance to Newpath/Beyond

Trial ID: C09-45 Protocol ID: C09-45
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								10/Sep/2009	10/Sep/2009	10/Sep/2009	10/Sep/2009
Rating Data Type								EMERGENCE	VIGOR	HEADING	height
Rating Unit								days		days	cm
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		CL161						8 a	4 a	85 b	91 bc
1		Check									
2		CL161						9 a	4 a	86 b	92 bc
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
2		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
2	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
3		CL161						8 a	4 a	85 b	94 b
3		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
3		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
3		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
4		XC011						10 a	5 a	81 c	92 bc
4		Check									
5		XC011						10 a	5 a	82 c	92 bc
5		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
5		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
6		XC011						10 a	5 a	82 c	93 b
6		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
6		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
6		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
7		AR-113						9 a	4 a	86 b	111 a
7		Check									
8		AR-113						9 a	4 a	86 b	110 a
8		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
8		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							10/Sep/2009	10/Sep/2009	10/Sep/2009	10/Sep/2009
Rating Data Type							EMERGENCE	VIGOR	HEADING	height
Rating Unit							days		days	cm
Trt-Eval Interval							HARVEST	HARVEST	HARVEST	HARVEST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
9		AR-113						9 a	5 a	87 b	108 a
9		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
9		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
9		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
10		AR-091						9 a	5 a	89 a	85 d
10		Check									
11		AR-091						10 a	5 a	88 a	85 d
11		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
11		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
12		AR-091						9 a	5 a	88 a	88 cd
12		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
12		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST				
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST				
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST				
LSD (P=.05)								1.4	0.8	1.0	3.4
Standard Deviation								0.8	0.5	0.6	2.0
CV								8.87	9.69	0.67	2.14
Grand Mean								9.14	4.67	85.39	94.97
Bartlett's X2								4.395	0.0	1.274	12.763
P(Bartlett's X2)								0.928	1.00	0.999	0.309

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

Pest Code	RICE
Rating Date	10/Sep/2009
Rating Data Type	YIELD
Rating Unit	LB/A
Trt-Eval Interval	HARVEST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		CL161						6193 c
1		Check						
2		CL161						6454 bc
2	HERB	Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
2		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
2	HERB	Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
3		CL161						6397 bc
3		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
3		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
3		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
4		XC011						6770 abc
4		Check						
5		XC011						6937 abc
5		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
5		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
5		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
6		XC011						6805 abc
6		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
6		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
6		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
7		AR-113						7776 a
7		Check						
8		AR-113						7487 ab
8		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
8		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
8		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
9		AR-113						7453 ab
9		Newpath	0.188	LB AI/A	12	FL OZ/A	VEPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
9		Newpath	0.188	LB AI/A	12	FL OZ/A	MPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
9		Beyond	0.078	LB AI/A	10	FL OZ/A	LPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	

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Pest Code	RICE
Rating Date	10/Sep/2009
Rating Data Type	YIELD
Rating Unit	LB/A
Trt-Eval Interval	HARVEST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		AR-091						6068 c
10		Check						
11		AR-091						6726 abc
11		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
11		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
11		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	
12		AR-091						6250 c
12		Newpath	0.094	LB AI/A	6	FL OZ/A	VEPOST	
12		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
12		Newpath	0.094	LB AI/A	6	FL OZ/A	MPOST	
12		Agridex	1	% V/V	19.2	FL OZ/A	MPOST	
12		Beyond	0.039	LB AI/A	5	FL OZ/A	LPOST	
12		Agridex	1	% V/V	19.2	FL OZ/A	LPOST	

LSD (P=.05)	735.2
Standard Deviation	434.1
CV	6.41
Grand Mean	6776.27
Bartlett's X2	9.883
P(Bartlett's X2)	0.541

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 Efficacy in Mid-South Rice Production

Experiment number	**C09-46**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	EPOST
Date applied [mm/dd/yy]	4/15/09	5/5/09
Time [hh:mm-hh:mm]	11:15-11:25 A	10:50-10:55 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	68/62	78/78
Relative humidity [%]	63%	83%
Wind [mph, direction]	3-5 E	2-4 S
Weather [sunny, etc]	sunny	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/dry
Crop stage/Height	PRE/ N/A	1-2lf/3-4"
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
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
AESIN(40-50m^{-2})	1-2"/1-2 lf
ECLAL(20-30m^{-2})	½-1"/1-2 lf
COMDI(20-30m^{-2})	1-2"/1-2 lf
ALRPH(10-20m^{-2})	2-6"/5-12 lf
CYPES(30-40m^{-2})	4-6"/4-6 lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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V10142 Efficacy in Mid-South Rice Production

Trial ID: C09-46 Protocol ID: C09-46
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							29daEPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	53b	29cd	39bc
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	51b	29cd	18cd
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	63b	44bc	18cd
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	66b	50b	53b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	91a	94a	84a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST			
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	94a	81a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE			
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	23d	16d	0d
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	36c	15d	23cd
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
LSD (P=.05)								12.3	14.3	18.9
Standard Deviation								8.3	9.7	12.9
CV								14.11	21.0	32.85
Grand Mean								59.06	46.25	39.22
Bartlett's X2								15.994	17.004	21.811
P(Bartlett's X2)								0.025*	0.017*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 Efficacy in Mid-South Rice Production

Trial ID: C09-46 Protocol ID: C09-46
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	BRAPP	BRAPP	BRAPP	AESIN
Pest Code								BRAPP	BRAPP	BRAPP	AESIN
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009	2/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								29daEPOST	36daEPOST	45daEPOST	29daEPOST
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	53c	29cd	28c	53b
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	51c	29cd	18c	58b
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	63bc	44bc	18c	81a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	71b	50b	53b	85a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	91a	94a	91a	96a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	93a	89a	93a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	23e	16d	0d	88a
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	36d	15d	23c	94a
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
LSD (P=.05)								13.3	14.2	10.0	13.8
Standard Deviation								9.0	9.7	6.8	9.4
CV								15.12	20.96	17.2	11.59
Grand Mean								59.69	46.09	39.69	80.72
Bartlett's X2								16.165	16.28	9.408	20.856
P(Bartlett's X2)								0.024*	0.023*	0.152	0.004*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								AESIN	ALRPH	ALRPH	ALRPH
Rating Date								10/Jun/2009	2/Jun/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								36daEPOST	29daEPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	49b	30bc	19ab	0b
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	61b	35bc	26ab	0b
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	85a	38bc	35ab	0b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	31bc	28ab	0b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	96a	50ab	40a	30a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	97a	65a	38a	29a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	83a	18c	15b	0b
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	97a	28bc	20ab	0b
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
LSD (P=.05)								13.4	18.3	13.7	6.0
Standard Deviation								9.1	12.5	9.3	4.1
CV								11.06	33.97	33.78	55.9
Grand Mean								82.13	36.72	27.5	7.34
Bartlett's X2								24.75	9.633	3.997	5.189
P(Bartlett's X2)								0.001*	0.21	0.55	0.023*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 Efficacy in Mid-South Rice Production

Trial ID: C09-46 Protocol ID: C09-46
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECLAL	ECLAL	ECLAL	CYPIR
Pest Code								ECLAL	ECLAL	ECLAL	CYPIR
Rating Date								2/Jun/2009	10/Jun/2009	19/Jun/2009	2/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								29daEPOST	36daEPOST	45daEPOST	29daEPOST
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	64d	92b	0b	71b
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	69cd	93b	0b	86a
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	73cd	94ab	0b	93a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	76bc	95ab	0b	89a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	84ab	95ab	28a	95a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	89a	97a	33a	96a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	86a	95ab	0b	97a
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	89a	97a	0b	97a
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
LSD (P=.05)								7.6	2.6	6.6	11.6
Standard Deviation								5.2	1.8	4.5	7.9
CV								6.57	1.89	59.98	8.76
Grand Mean								78.59	94.63	7.5	90.31
Bartlett's X2								5.869	3.409	0.0	27.012
P(Bartlett's X2)								0.555	0.492	1.00	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								CYPIR	CYPES	CYPES	RICE
Rating Date								10/Jun/2009	2/Jun/2009	10/Jun/2009	2/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								36daEPOST	29daEPOST	36daEPOST	29daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	83b	48d	45b	0a
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	91ab	65c	59b	0a
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	93ab	74bc	80a	0a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	86ab	79abc	81a	0a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	96ab	84ab	95a	0a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	96ab	92a	96a	0a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE				
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	97a	94a	96a	0a
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	97a	93a	97a	0a
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
LSD (P=.05)								8.9	11.9	15.7	0.0
Standard Deviation								6.1	8.1	10.6	0.0
CV								6.6	10.35	13.12	0.0
Grand Mean								92.22	78.38	81.09	0.0
Bartlett's X2								33.088	12.792	28.458	0.0
P(Bartlett's X2)								0.001*	0.077	0.001*	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								RICE	RICE
Rating Date								10/Jun/2009	19/Jun/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a
2		V10142	0.2	LB AI/A	4.27	OZ WT/A	PRE	0a	0a
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	0a	0a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST		
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST		
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a
5	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE		
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST		
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST		
5	HERB	SuperWham	3	LB AI/A	96	FL OZ/A	EPOST		
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0a	0a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE		
6		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST		
6		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST		
6	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST		
7	HERB	Permit	0.47	LB AI/A	10	OZ WT/A	PRE	0a	0a
8		Permit	0.47	LB AI/A	10	OZ WT/A	EPOST	0a	0a
8		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST		
LSD (P=.05)								0.0	0.0
Standard Deviation								0.0	0.0
CV								0.0	0.0
Grand Mean								0.0	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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V10142 PRE and EPOST Applications

Experiment number	**C09-47**
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	4/14/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	DPRE	EPOST
Date applied [mm/dd/yy]	4/15/09	4/24/09	5/5/09
Time [hh:mm-hh:mm]	1:45-2:00 P	8:40-9:00 A	10:45-10:50 A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	72/62	74/70	78/78
Relative humidity [%]	63%	87%	83%
Wind [mph, direction]	3-5 E	4-6 SE	2-4 S
Weather [sunny, etc]	sunny	sunny	pt cloudy
Soil/Leaf surface moist	moist/ N/A	wet/N/A	wet/dry
Crop stage/Height	PRE/ N/A	PRE/N/A	1-2lf/2-3"
Sprayer type/MPH	CO_2BkPk/30	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	15/22	15/22
Applied by	EPW	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
AESIN(4-6m^{-2})	½-1"/coty-1	1-2"/1-2lf
CYPES(1-3m^{-2})	1-3"/1-3lf	4-6"/4-6lf
COMDI(20-30m^{-2})		1-2"/1-2lf
CNPPA(10-20m^{-2})		1-2"/coty-1lf
ALRPH(10-20m^{-2})……..		2-6"/4-10lf
ECLAL(20-30m^{-2})……..		½-3/4"/1-2lf

Flush Dates	4/16, 5/14, 5/29
Permanent Flood	6/5

*AMFF – Air mix flat fan nozzles

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V10142 PRE and EPOST Applications

Trial ID: C09-47 Protocol ID: C09-47
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							18/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							13daMPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	65b	48c	20b
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	73ab	59bc	25b
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	20c	25d	10b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	91a	93a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE			
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	93a	93a	93a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST			
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	25c	68b	20b
LSD (P=.05)								17.1	14.7	25.1
Standard Deviation								11.3	9.8	16.6
CV								18.62	15.33	38.42
Grand Mean								60.83	63.75	43.33
Bartlett's X2								6.837	10.539	16.993
P(Bartlett's X2)								0.145	0.061	0.002*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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LSU AgCenter
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V10142 PRE and EPOST Applications

Trial ID: C09-47 Protocol ID: C09-47
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							BRAPP	BRAPP	BRAPP
Rating Date							18/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							13daMPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	65b	54b	30b
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	70b	50b	25b
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	20d	25c	10b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	90a	91a	91a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE			
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	91a	93a	91a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST			
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	48c	68b	20b
LSD (P=.05)								14.9	18.6	32.9
Standard Deviation								9.9	12.3	21.8
CV								15.45	19.46	48.91
Grand Mean								63.96	63.33	44.58
Bartlett's X2								6.125	13.671	22.04
P(Bartlett's X2)								0.19	0.018*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 PRE and EPOST Applications

Trial ID: C09-47 Protocol ID: C09-47
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							AESIN	AESIN	AESIN
Rating Date							18/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							13daMPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	76a	80a	30b
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	76a	89a	70a
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	15b	51b	20bc
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	93a	97a	85a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE			
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	88a	95a	91a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST			
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	25b	0c	0c
LSD (P=.05)								20.3	14.2	22.4
Standard Deviation								13.5	9.4	14.8
CV								21.74	13.76	30.07
Grand Mean								62.08	68.63	49.38
Bartlett's X2								9.706	14.055	12.07
P(Bartlett's X2)								0.084	0.007*	0.017*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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V10142 PRE and EPOST Applications

Trial ID: C09-47 Protocol ID: C09-47
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ALRPH	ALRPH	ALRPH	ECLAL
Rating Date							18/May/2009	10/Jun/2009	19/Jun/2009	10/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							13daMPOST	36daEPOST	45daEPOST	36daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	30b	15b	0a	96a
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	30b	26ab	18a	96a
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	0c	15b	10a	93b
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	84a	38a	20a	97a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE				
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	71a	35a	18a	97a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST				
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	0c	0c	0a	0c
LSD (P=.05)								20.6	11.3	14.0	2.6
Standard Deviation								13.7	7.5	9.3	1.7
CV								38.21	34.89	85.93	2.2
Grand Mean								35.83	21.46	10.83	79.5
Bartlett's X2								2.272	7.369	0.332	1.905
P(Bartlett's X2)								0.518	0.118	0.847	0.753

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
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V10142 PRE and EPOST Applications

Trial ID: C09-47 Protocol ID: C09-47
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							18/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							13daMPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	0b	0a	0a
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	0b	0a	0a
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	0b	0a	0a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	0b	0a	0a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE			
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	10a	0a	0a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE			
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST			
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST			
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST			
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	0b	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								1.67	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
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Pest Code								CYPES	COMDI	COMDI	COMDI
Rating Date								10/Jun/2009	18/May/2009	10/Jun/2009	19/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								36daEPOST	13daMPOST	36daEPOST	45daEPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		V10142	0.3	LB AI/A	6.4	OZ WT/A	PRE	74a	45b	95a	91a
2		V10142	0.3	LB AI/A	6.4	OZ WT/A	DPRE	90a	73a	95a	88a
3	HERB	Permit	0.047	LB AI/A	1	OZ WT/A	PRE	86a	35b	86a	90a
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	96a	84a	97a	95a
4	HERB	Command	0.42	LB AI/A	1.125	PT/A	PRE				
4		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
4		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
4	HERB	Regiment	0.005	LB AI/A	0.1	OZ WT/A	EPOST				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	PRE	95a	75a	96a	94a
5		Command	0.42	LB AI/A	1.125	PT/A	PRE				
5		V10142	0.150	LB AI/A	3.2	OZ WT/A	EPOST				
5		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	EPOST				
5	HERB	SuperWham	0.3	LB AI/A	9.6	FL OZ/A	EPOST				
6		Command	0.3	LB AI/A	0.8	PT/A	PRE	0b	0c	21b	58b
LSD (P=.05)								15.5	18.6	9.4	10.5
Standard Deviation								10.3	12.4	6.2	7.0
CV								14.02	23.82	7.61	8.12
Grand Mean								73.46	51.88	81.75	85.83
Bartlett's X2								17.377	4.077	20.172	12.443
P(Bartlett's X2)								0.001*	0.396	0.001*	0.006*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Effect of V10142 on Rice Varieties

Experiment number	**C09-48**
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	5/12/09
Harvest date	9/10/09
Crop/Variety	Varieties
Emergence date	5/19/09
Uniform std. treatment	N/A

Application type	PRE	EPOST
Date applied [mm/dd/yy]	5/14/09	6/1/09
Time [hh:mm-hh:mm]	8:20-8:40 A	9:40-9:50 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	79/79	83/80
Relative humidity [%]	89%	70
Wind [mph, direction]	0-1 S	1-2 SE
Weather [sunny, etc]	pt cloudy	sunny
Soil/Leaf surface moist	dry/N/A	moist/dry
Crop stage/Height	N/A	2-3lf/3-4"
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
Applied by	TPC	TPC

Flush Dates	
Permanent Flood	

*AMFF – Air mix flat fan nozzles

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V10142 Variety Tolerance

Trial ID: C09-48 Protocol ID: C09-48
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								1/Jun/2009	3/Jun/2009	3/Jun/2009	9/Jun/2009	9/Jun/2009
Rating Data Type								INJURY	AVG HEIGHT	INJURY	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	cm	%
Trt-Eval Interval								17daPRE	20daPRE	20daPRE	26daPRE	26daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage					
1		XC011						0a	18abc	0b	22a-e	0g
1		Nontreated										
2		XC011						0a	17bcd	0b	18d-h	15a-e
2		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
3		XC011						0a			21a-f	5efg
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
4		XC065						0a	19abc	0b	22a-e	0g
4		Nontreated										
5		XC065						0a	17cd	0b	19c-h	13b-f
5		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
6		XC065						0a			22a-e	6d-g
6		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
7		Cocodrie						0a	19abc	0b	20a-g	0g
7		Nontreated										
8		Cocodrie						0a	18bcd	0b	17fgh	18abc
8		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
9		Cocodrie						0a			20a-g	3fg
9		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
10		Cheniere						0a	17bcd	0b	18d-h	0g
10		Nontreated										
11		Cheniere						0a	16cd	0b	15h	23a
11		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
12		Cheniere						0a			21a-f	8c-g
12		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
13		Catahoula						0a	20abc	0b	22a-d	0g
13		Nontreated										
14		Catahoula						0a	18bcd	0b	19a-h	11b-f
14		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
15		Catahoula						0a			22a-e	9b-g
15		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
16		CL131						0a	18abc	0b	22a-e	3fg
16		Nontreated										
17		CL131						0a	16cd	0b	18e-h	18abc
17		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					

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Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								1/Jun/2009	3/Jun/2009	3/Jun/2009	9/Jun/2009	9/Jun/2009
Rating Data Type								INJURY	AVG HEIGHT	INJURY	AVG HEIGHT	INJURY
Rating Unit								%	cm	cm	cm	%
Trt-Eval Interval								17daPRE	20daPRE	20daPRE	26daPRE	26daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage					
18		CL131						0a			20a-g	8c-g
18		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
19		CL 151						0a	20abc	0b	21a-e	0g
19		Nontreated										
20		CL 151						0a	17bcd	0b	18d-h	15a-e
20		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
21		CL 151						0a			21a-e	0g
21		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
22		Neptune						0a	18abc	0b	23a	3fg
22		Nontreated										
23		Neptune						0a	17bcd	0b	19b-h	19ab
23		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
24		Neptune						0a			21a-e	6d-g
24		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
25		Jupiter						0a	14de	0b	17fgh	0g
25		Nontreated										
26		Jupiter						0a	13e	35a	16h	23a
26		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
27		Jupiter						0a			17gh	16a-d
27		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
28		Wells						0a	22a	0b	23a	0g
28		Nontreated										
29		Wells						0a	19abc	0b	21a-g	8c-g
29		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
30		Wells						0a			23ab	3fg
30		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
31		TMTL						0a	21ab	0b	23abc	0g
31		Nontreated										
32		TMTL						0a	19abc	0b	21a-g	8c-g
32		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
33		TMTL						0a			23a	5efg
33		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					
34		XL 729						0a	19abc	0b	19a-h	0g
34		Nontreated										
35		XL 729						0a	20abc	0b	18d-h	19ab
35		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE					
36		XL 729						0a			22a-d	11b-f
36		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST					

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							1/Jun/2009	3/Jun/2009	3/Jun/2009	9/Jun/2009	9/Jun/2009
Rating Data Type							INJURY	AVG HEIGHT	INJURY	AVG HEIGHT	INJURY
Rating Unit							%	cm	cm	cm	%
Trt-Eval Interval							17daPRE	20daPRE	20daPRE	26daPRE	26daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
LSD (P=.05)								0.0	2.2	1.7	2.3	6.0
Standard Deviation								0.0	1.6	1.2	1.6	4.3
CV								0.0	8.85	80.81	8.03	57.09
Grand Mean								0.0	17.96	1.46	20.11	7.51
Bartlett's X2								0.0	29.453	0.0	34.991	15.806
P(Bartlett's X2)								.	0.166	.	0.469	0.895

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 Variety Tolerance

Trial ID: C09-48
Location: RRS-Crowley, LA

Protocol ID: C09-48
Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE
Rating Date								19/Jun/2009	19/Jun/2009
Rating Data Type								AVG HEIGHT	INJURY
Rating Unit								cm	%
Trt-Eval Interval								36daPRE	36daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1		XC011						43a	0a
1		Nontreated							
2		XC011						43a	0a
2		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		
3		XC011						44a	0a
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST		
4		XC065						44a	0a
4		Nontreated							
5		XC065						43a	0a
5		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		
6		XC065						44a	0a
6		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST		
7		Cocodrie						40abc	0a
7		Nontreated							
8		Cocodrie						39abc	0a
8		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		
9		Cocodrie						39abc	0a
9		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST		
10		Cheniere						39abc	0a
10		Nontreated							
11		Cheniere						39abc	0a
11		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		
12		Cheniere						39abc	0a
12		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST		
13		Catahoula						42a	0a
13		Nontreated							
14		Catahoula						44a	0a
14		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		
15		Catahoula						43a	0a
15		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST		
16		CL131						43a	0a
16		Nontreated							
17		CL131						39abc	0a
17		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE		

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Pest Code							RICE	RICE
Rating Date							19/Jun/2009	19/Jun/2009
Rating Data Type							AVG HEIGHT	INJURY
Rating Unit							cm	%
Trt-Eval Interval							36daPRE	36daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
18		CL131						38a-d	0a
18		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
19		CL 151						41abc	0a
19		Nontreated						
20		CL 151						42ab	0a
20		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
21		CL 151						42ab	0a
21		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
22		Neptune						43a	0a
22		Nontreated						
23		Neptune						41ab	0a
23		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
24		Neptune						40abc	0a
24		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
25		Jupiter						34cd	0a
25		Nontreated						
26		Jupiter						33d	0a
26		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
27		Jupiter						35bcd	0a
27		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
28		Wells						44a	0a
28		Nontreated						
29		Wells						44a	0a
29		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
30		Wells						44a	0a
30		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
31		TMTL						43a	0a
31		Nontreated						
32		TMTL						40abc	0a
32		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
33		TMTL						40abc	0a
33		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	
34		XL 729						42ab	0a
34		Nontreated						
35		XL 729						42a	0a
35		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE	
36		XL 729						43a	0a
36		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST	

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Pest Code							RICE	RICE
Rating Date							19/Jun/2009	19/Jun/2009
Rating Data Type							AVG HEIGHT	INJURY
Rating Unit							cm	%
Trt-Eval Interval							36daPRE	36daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
LSD (P=.05)							4.0	0.0
Standard Deviation							2.9	0.0
CV							7.0	0.0
Grand Mean							41.01	0.0
Bartlett's X2							29.809	0.0
P(Bartlett's X2)							0.717	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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V10142 Variety Tolerance

Trial ID: C09-48 Protocol ID: C09-48
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE	RICE
Rating Date								10/SEP/09	10/SEP/09	10/SEP/09	10/SEP/09
Rating Data Type								EMERGENCE	HEADING	VIGOR	YIELD
Rating Unit								days	days		LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		XC011						9 def	79 jk	5 cd	6925 bcd
1		Nontreated									
2		XC011						9 def	80 h-k	5 bcd	6266 bcd
2		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
3		XC011						9 def	79 k	4 d	6752 bcd
3		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
4		XC065						10 a-d	81 g-k	5 bcd	6570 bcd
4		Nontreated									
5		XC065						11 ab	81g-k	6 ab	6880 bcd
5		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
6		XC065						11 a	81g-k	5 bcd	7102 bcd
6		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
7		Cocodrie						9 def	81g-k	4 cd	6065 bcd
7		Nontreated									
8		Cocodrie						9 def	83 fgh	5 cd	6625 bcd
8		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
9		Cocodrie						9 ef	81h-k	4 cd	5610 bcd
9		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
10		Cheniere						9 c-f	84 efg	5 cd	5902 bcd
10		Nontreated									
11		Cheniere						9 c-f	84 def	5 bcd	4692 d
11		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
12		Cheniere						9 ef	83 fgh	5 cd	5421 bcd
12		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
13		Catahoula						9 ef	83 fgh	5 cd	6657 bcd
13		Nontreated									
14		Catahoula						9 ef	82 f-i	5 cd	5875 bcd
14		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
15		Catahoula						8 ef	82 f-j	4 cd	6360 bcd
15		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
16		CL131						9 def	81 g-k	4 cd	5538 bcd
16		Nontreated									
17		CL131						9 def	82 f-k	5 cd	4767 cd
17		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								10/SEP/09	10/SEP/09	10/SEP/09	10/SEP/09
Rating Data Type								EMERGENCE	HEADING	VIGOR	YIELD
Rating Unit								days	days		LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
18		CL131						9 c-f	82 f-k	5 cd	5429 bcd
18		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
19		CL 151						9 c-f	81 h-k	4 d	6594 bcd
19		Nontreated									
20		CL 151						9 c-f	83 fgh	5 cd	6824 bcd
20		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
21		CL 151						8 ef	82 f-k	4 cd	7429 b
21		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
22		Neptune						10 b-e	89 ab	5 cd	7589 b
22		Nontreated									
23		Neptune						9 ef	89 a	6 bc	5813 bcd
23		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
24		Neptune						9 def	89 ab	5 cd	7240 bc
24		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
25		Jupiter						10 b-e	87 abc	5 bcd	7051 bcd
25		Nontreated									
26		Jupiter						10 abc	88 abc	7 a	5421 bcd
26		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
27		Jupiter						10 a-d	87 abc	7 a	6607 bcd
27		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
28		Wells						9 ef	87 a-d	4 d	6978 bcd
28		Nontreated									
29		Wells						9 def	89 ab	5 cd	6617 bcd
29		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
30		Wells						9 def	88 abc	4 d	7389 b
30		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
31		TMTL						8 f	86 cde	4 d	7194 bc
31		Nontreated									
32		TMTL						8 f	86 b-e	4 d	5782 bcd
32		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
33		TMTL						8 f	87 abc	4 d	6594 bcd
33		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				
34		XL 729						8 f	80 ijk	5 cd	10504 a
34		Nontreated									
35		XL 729						8 ef	81 g-k	6 bc	9561 a
35		V10142	0.5	LB AI/A	10.7	OZ WT/A	PRE				
36		XL 729						8 ef	80 ijk	5 cd	11068 a
36		V10142	0.3	LB AI/A	6.4	OZ WT/A	EPOST				

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Pest Code								RICE	RICE	RICE	RICE
Rating Date								10/SEP/09	10/SEP/09	10/SEP/09	10/SEP/09
Rating Data Type								EMERGENCE	HEADING	VIGOR	YIELD
Rating Unit								days	days		LB/A
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
LSD (P=.05)								0.8	1.7	0.7	1352.1
Standard Deviation								0.6	1.2	0.5	965.7
CV								6.38	1.46	10.28	14.38
Grand Mean								8.88	83.47	4.82	6713.56
Bartlett's X2								18.635	39.976	10.286	112.391
P(Bartlett's X2)								0.93	0.259	0.996	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Firstshot PRE

Experiment number..... : **C09-49**
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 ..... : 5/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 5/27/09
Uniform std. treatment..... : N/A

Application type..... : 0DAP
Date applied [mm/dd/yy] ..... : 5/14/09
Time [hh:mm-hh:mm]..... : 11:00-11:30 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 80/80
Relative humidity [%]..... : 85%
Wind [mph, direction] ..... : 2-3 NW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/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..... : JBH

Weed Species (population)..... :- (height/#leaves) -
BRAPP (140-150 m^{-2}) ..... : 4-8"/4lf-1 til
ALRPH(10-15 m^{-2})..... : 6-10"/flowering
ECLAL(50-60m^{-2}) ..... : 3-6"/8-20 lf
AESIN(10-20m^{-2})..... : 4-6"/8-10 lf

Flush Dates ..... : 4/17, 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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Firstshot PRE

Trial ID: C09-49 Protocol ID: C09-49
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Firstshot						0d	0e	0d	0e
1		No Command									
1		No Roundup									
2		No Firstshot						97a	65a	97a	80a
2		No Command									
2		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
3		No Firstshot						35b	48b	21b	48b
3	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
3		No Roundup									
4		No Firstshot						98a	66a	95a	79a
4	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
4		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
5		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	16c	15de	13c	15de
5		No Command									
5		No Roundup									
6		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	98a	66a	97a	76a
6		No Command									
6		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
7		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	35b	43b	16c	35bc
7	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
7		No Roundup									
8		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	98a	61a	96a	69a
8	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
8		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
9		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	0d	0e	0d	0e
9		No Command									
9		No Roundup									
10		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	97a	69a	97a	83a
10		No Command									
10		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
11		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	35b	35bc	23b	30cd
11	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
11		No Roundup									
12		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	98a	63a	94a	68a
12	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
12		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
13			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0d	24cd	0d	16de
13		No Command									
13		No Roundup									

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Pest Code								ECHCG	ECHCG	BRAPP	BRAPP
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
14			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0d	0e	0d	0e
14		No Command									
14		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
15			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	43b	45b	24b	45bc
15	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
15		No Roundup									
16			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	97a	68a	95a	75a
16	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
16		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
LSD (P=.05)								7.2	12.2	4.0	13.2
Standard Deviation								5.1	8.6	2.8	9.2
CV								9.55	20.55	5.91	20.54
Grand Mean								52.97	41.64	47.77	44.84
Bartlett's X2								22.884	24.497	16.199	19.099
P(Bartlett's X2)								0.002*	0.017*	0.134	0.086

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								AESIN	AESIN	ALRPH	ALRPH
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Firstshot						0e	0d	0d	0b
1		No Command									
1		No Roundup									
2		No Firstshot						97a	93ab	97a	86a
2		No Command									
2		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
3		No Firstshot						26d	0d	16c	0b
3	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
3		No Roundup									
4		No Firstshot						97a	93ab	98a	86a
4	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
4		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
5		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	74b	90ab	79b	91a
5		No Command									
5		No Roundup									
6		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	98a	95a	98a	90a
6		No Command									
6		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
7		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	63bc	79abc	73b	80a
7	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
7		No Roundup									
8		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	97a	91ab	98a	90a
8	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
8		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
9		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	69bc	68c	75b	80a
9		No Command									
9		No Roundup									
10		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	97a	95a	97a	91a
10		No Command									
10		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
11		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	64bc	79abc	78b	85a
11	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
11		No Roundup									
12		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	98a	91ab	98a	88a
12	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
12		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
13			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	58bc	70c	75b	86a
13		No Command									
13		No Roundup									
14			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	55c	0d	78b	0b
14		No Command									
14		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				

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Pest Code								AESIN	AESIN	ALRPH	ALRPH
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
15			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	70bc	75bc	74b	89a
15	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
15		No Roundup									
16			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	98a	94a	97a	89a
16	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
16		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
LSD (P=.05)								11.8	11.5	5.8	9.2
Standard Deviation								8.2	8.1	4.1	6.4
CV								11.35	11.62	5.3	9.07
Grand Mean								72.53	69.45	76.88	70.7
Bartlett's X2								33.744	21.936	17.279	15.208
P(Bartlett's X2)								0.001*	0.015*	0.045*	0.23

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code								ECLAL	ECLAL	CYPIR	CYPIR
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		No Firstshot						0d	0d	0c	0d
1		No Command									
1		No Roundup									
2		No Firstshot						96a	64a	94a	90a
2		No Command									
2		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
3		No Firstshot						11c	0d	0c	0d
3	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
3		No Roundup									
4		No Firstshot						95a	78a	95a	84a
4	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
4		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
5		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	74b	38bc	45b	48bc
5		No Command									
5		No Roundup									
6		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	97a	74a	98a	81a
6		No Command									
6		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
7		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	73b	23c	34b	40bc
7	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
7		No Roundup									
8		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	97a	71a	97a	85a
8	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
8		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
9		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	68b	38bc	46b	40bc
9		No Command									
9		No Roundup									
10		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	96a	78a	92a	89a
10		No Command									
10		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
11		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	78b	34bc	45b	54b
11	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
11		No Roundup									
12		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	95a	75a	95a	90a
12	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
12		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
13			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	73b	31bc	54b	30c
13		No Command									
13		No Roundup									
14			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	75b	55ab	45b	30c
14		No Command									
14		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				

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Pest Code								ECLAL	ECLAL	CYPIR	CYPIR
Rating Date								2/Jun/2009	10/Jun/2009	2/Jun/2009	10/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								19daPRE	27daPRE	19daPRE	27daPRE
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
15			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	78b	35bc	51b	43bc
15	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
15		No Roundup									
16			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	95a	73a	95a	93a
16	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP				
16		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP				
LSD (P=.05)								8.2	17.7	18.2	14.4
Standard Deviation								5.7	12.4	12.8	10.1
CV								7.63	25.87	20.72	17.99
Grand Mean								74.89	47.73	61.58	55.94
Bartlett's X2								20.883	28.043	26.947	26.692
P(Bartlett's X2)								0.075	0.005*	0.005*	0.009*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	RICE
Rating Date	10/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	27daPRE

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		No Firstshot						0a
1		No Command						
1		No Roundup						
2		No Firstshot						0a
2		No Command						
2		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
3		No Firstshot						0a
3	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
3		No Roundup						
4		No Firstshot						0a
4	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
4		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
5		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	0a
5		No Command						
5		No Roundup						
6		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	0a
6		No Command						
6		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
7		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	0a
7	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
7		No Roundup						
8		Firstshot	0.0156	LB AI/A	0.5	OZ WT/A	0 DAP	0a
8	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
8		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
9		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	0a
9		No Command						
9		No Roundup						
10		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	0a
10		No Command						
10		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
11		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	0a
11	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
11		No Roundup						
12		Firstshot	0.0203	LB AI/A	0.65	OZ WT/A	0 DAP	0a
12	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
12		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	
13			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0a
13		No Command						
13		No Roundup						
14			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0a
14		No Command						
14		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	

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Pest Code	RICE
Rating Date	10/Jun/2009
Rating Data Type	INJURY
Rating Unit	%
Trt-Eval Interval	27daPRE

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
15			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0a
15	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
15		No Roundup						
16			0.025	LB AI/A	0.8	OZ WT/A	0 DAP	0a
16	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	0 DAP	
16		Rounup Weathermax	1	LB AI/A	23.3	FL OZ/A	0 DAP	

LSD (P=.05)	0.0
Standard Deviation	0.0
CV	0.0
Grand Mean	0.0
Bartlett's X2	0.0
P(Bartlett's X2)	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Experiment number	**C09-50**
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	4/16/09
Harvest date	8/31/09
Crop/Variety	CL 131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	5/6/09	5/22/09
Time [hh:mm-hh:mm]	11:35-11:50 A	8:10-8:50 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	79/78	76/70
Relative humidity [%]	84%	85%
Wind [mph, direction]	7-10 S	3-5 NE
Weather [sunny, etc]	cloudy	cloudy
Soil/Leaf surface moist	wet/dry	wet/wet
Crop stage/Height	1-2 lf/2-4"	5lf-2till/6-10"
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
Applied by	TPC	TPC

Weed Species (population)	---------- (height/#leaves) ----------	
SEBEX (2-5 m^{-2})	2-4"/2-4 lf	5-8"/6-9 lf
COMDI (3-5 m^{-2})	½-2"/1-4 lf	2-5"/3-6 lf
ORYSA (50-75 m^{-2})	1-5"/1-3 lf	4-8"/5lf-2 til
ECHCG(m^{-2})	1-3"/1-3 lf	4-6"/4lf-1 til
CNPPA(m^{-2})		½-2"/coty-1 lf
ALRPH(m^{-2})	1-4"/3-10 lf	8-12"/12-18 lf
CYPES(m^{-2})	1-3"/1-4 lf	6-8"/6-8 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	36 b	15 e	20 e
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95 a	93 a	91 ab
2		Stam M4	3	LB AI/A	3	QT/A	EPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	75 a	69 bc	68 bc
3		Stam SC	3	LB AI/A	3	QT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95 a	90 ab	92 ab
4		Riceshot	3	LB AI/A	3	QT/A	EPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94 a	93 a	95 a
5		Superwham	3	LB AI/A	3	QT/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	92 a	89 ab	93 ab
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	65 a	44 d	40 de
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
7		Stam M4	3	LB AI/A	3	QT/A	LPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	68 a	56 cd	40 de
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
8		Stam SC	3	LB AI/A	3	QT/A	LPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	81 a	58 cd	53 cd
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
9		Riceshot	3	LB AI/A	3	QT/A	LPOST			

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Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	89 a	80 ab	78 ab
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
10		Superwham	3	LB AI/A	3	QT/A	LPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	74 a	50 cd	46 cd
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
LSD (P=.05)								18.1	16.0	17.9
Standard Deviation								12.5	11.1	12.4
CV								15.94	16.57	19.04
Grand Mean								78.48	66.8	64.98
Bartlett's X2								32.309	12.287	17.229
P(Bartlett's X2)								0.001*	0.266	0.069

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	29 c	18 d	11 c
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	96 a	91 a	89 a
2		Stam M4	3	LB AI/A	3	QT/A	EPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	75 ab	56 bc	50 b
3		Stam SC	3	LB AI/A	3	QT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94 a	92 a	87 a
4		Riceshot	3	LB AI/A	3	QT/A	EPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94 a	93 a	90 a
5		Superwham	3	LB AI/A	3	QT/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	93 a	89 a	86 a
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	70 ab	45 c	33 bc
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
7		Stam M4	3	LB AI/A	3	QT/A	LPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	63 b	49 c	33 bc
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
8		Stam SC	3	LB AI/A	3	QT/A	LPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	79 ab	59 bc	54 ab
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
9		Riceshot	3	LB AI/A	3	QT/A	LPOST			

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	90 a	78 ab	68 ab
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
10		Superwham	3	LB AI/A	3	QT/A	LPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	73 ab	51 bc	33 bc
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
LSD (P=.05)								16.3	20.0	25.3
Standard Deviation								11.3	13.8	17.5
CV								14.57	21.12	30.52
Grand Mean								77.57	65.48	57.41
Bartlett's X2								39.522	12.484	21.232
P(Bartlett's X2)								0.001*	0.254	0.02*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	60 b	28 c	15 c
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88 a	86 a	85 a
2		Stam M4	3	LB AI/A	3	QT/A	EPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	78 ab	69 ab	48 bc
3		Stam SC	3	LB AI/A	3	QT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	83 ab	85 a	86 a
4		Riceshot	3	LB AI/A	3	QT/A	EPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	86 a	87 a	86 a
5		Superwham	3	LB AI/A	3	QT/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	83 ab	89 a	86 a
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	68 ab	64 ab	18 c
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
7		Stam M4	3	LB AI/A	3	QT/A	LPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	61 b	48 b	28 c
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
8		Stam SC	3	LB AI/A	3	QT/A	LPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	65 ab	75 a	49 bc
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
9		Riceshot	3	LB AI/A	3	QT/A	LPOST			

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Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	81 ab	76 a	66 ab
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
10		Superwham	3	LB AI/A	3	QT/A	LPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	75 ab	61 ab	33 c
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
LSD (P=.05)								14.2	19.0	25.0
Standard Deviation								9.8	13.1	17.3
CV								13.08	18.84	31.81
Grand Mean								75.11	69.73	54.43
Bartlett's X2								8.654	22.907	36.198
P(Bartlett's X2)								0.565	0.011*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECLAL	ECLAL
Rating Date							11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	34 b	13 c
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95 a	95 a
2		Stam M4	3	LB AI/A	3	QT/A	EPOST		
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	79 a	41 bc
3		Stam SC	3	LB AI/A	3	QT/A	EPOST		
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	94 a	92 a
4		Riceshot	3	LB AI/A	3	QT/A	EPOST		
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	97 a	95 a
5		Superwham	3	LB AI/A	3	QT/A	EPOST		
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	97 a	95 a
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST		
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	45 b	15 c
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
7		Stam M4	3	LB AI/A	3	QT/A	LPOST		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	38 b	18 c
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
8		Stam SC	3	LB AI/A	3	QT/A	LPOST		
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	84 a	35 bc
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
9		Riceshot	3	LB AI/A	3	QT/A	LPOST		

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Pest Code							ECLAL	ECLAL
Rating Date							11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88 a	63 ab
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
10		Superwham	3	LB AI/A	3	QT/A	LPOST		
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	54 b	23 c
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST		
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
LSD (P=.05)								16.9	24.1
Standard Deviation								11.7	16.7
CV								16.03	31.48
Grand Mean								73.02	53.09
Bartlett's X2								32.65	36.675
P(Bartlett's X2)								0.001*	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							CNPPA	CNPPA	CNPPA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	44 e	80 b	83 c
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	98 a	97 ab	96 ab
2		Stam M4	3	LB AI/A	3	QT/A	EPOST			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	83 abc	91 ab	90 abc
3		Stam SC	3	LB AI/A	3	QT/A	EPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	95 a	97 ab	95 ab
4		Riceshot	3	LB AI/A	3	QT/A	EPOST			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	93 a	97 ab	97 a
5		Superwham	3	LB AI/A	3	QT/A	EPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	93 a	98 a	97 a
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	61 d	83 ab	90 abc
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
7		Stam M4	3	LB AI/A	3	QT/A	LPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	68 cd	81 ab	85 bc
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
8		Stam SC	3	LB AI/A	3	QT/A	LPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	75 bcd	95 ab	89 abc
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
9		Riceshot	3	LB AI/A	3	QT/A	LPOST			

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Pest Code							CNPPA	CNPPA	CNPPA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							11daLPOST	20daLPOST	32daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	88 ab	93 ab	93 abc
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
10		Superwham	3	LB AI/A	3	QT/A	LPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	73 bcd	82 ab	91 abc
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST			
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST			
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST			
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST			
LSD (P=.05)								12.8	10.5	7.2
Standard Deviation								8.9	7.3	5.0
CV								11.25	8.07	5.46
Grand Mean								79.02	90.36	91.45
Bartlett's X2								17.469	31.639	13.547
P(Bartlett's X2)								0.042*	0.001*	0.195

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath with Various Propanil Formulations

Trial ID: C09-50 Protocol ID: C09-50
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							RICE	RICE
Rating Date							17/Aug/2009	31/Aug/2009
Rating Data Type							AVG HEIGHT	Yield
Rating Unit							cm	lb/A
Trt-Eval Interval							Harvest	
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	66 b	929 c
1		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
1		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	85 a	4827 a
2		Stam M4	3	LB AI/A	3	QT/A	EPOST		
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
2		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	76 ab	2456 bc
3		Stam SC	3	LB AI/A	3	QT/A	EPOST		
3		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
3		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	78 ab	5129 a
4		Riceshot	3	LB AI/A	3	QT/A	EPOST		
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
4		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	80 ab	4033 ab
5		Superwham	3	LB AI/A	3	QT/A	EPOST		
5		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
5		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	83 ab	4822 a
6		Stam EDF	3	LB AI/A	3.75	LB/A	EPOST		
6		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
6		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	68 ab	2613 bc
7		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
7		Stam M4	3	LB AI/A	3	QT/A	LPOST		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	72 ab	1319 c
8		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
8		Stam SC	3	LB AI/A	3	QT/A	LPOST		
8		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	73 ab	2290 bc
9		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
9		Riceshot	3	LB AI/A	3	QT/A	LPOST		

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Pest Code							RICE	RICE
Rating Date							17/Aug/2009	31/Aug/2009
Rating Data Type							AVG HEIGHT	Yield
Rating Unit							cm	lb/A
Trt-Eval Interval							Harvest	
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	74 ab	3557 ab
10		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
10		Superwham	3	LB AI/A	3	QT/A	LPOST		
10		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	EPOST	67 b	2456 bc
11		Agridex	1	% V/V	19.2	FL OZ/A	EPOST		
11		Newpath	0.0625	LB AI/A	4	FL OZ/A	LPOST		
11		Stam EDF	3	LB AI/A	3.75	LB/A	LPOST		
11		Agridex	1	% V/V	19.2	FL OZ/A	LPOST		
LSD (P=.05)								10.3	1262.9
Standard Deviation								7.2	872.1
CV								9.57	27.86
Grand Mean								74.74	3130.06
Bartlett's X2								14.309	7.49
P(Bartlett's X2)								0.159	0.679

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath/Beyond with Pre-emergence Herbicides

Experiment number	**C09-51**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/16/09
Harvest date	8/31/09
Crop/Variety	CL 131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	VEPOST	2WAA
Date applied [mm/dd/yy]	5/1/09	5/15/09
Time [hh:mm-hh:mm]	11:05-11:30 A	8:05-8:15 A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/75	79/79
Relative humidity [%]	79%	72%
Wind [mph, direction]	8-9 S	1-2 S
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	moist/dry	dry/wet
Crop stage/Height	11lf/½"	4-5lf/5-7"
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	15/22	15/22
Applied by	TPC	TPC

Weed Species (population)	---------- (height/#leaves) ----------	
ECHCG(200-300m^{-2})	¼-1"/1-4 lf	4-6"/4-5 lf
ORYSA(20-30m^{-2})	3-5"/2-3 lf	4-6"/3-5 lf
BRAPP(60-70m^{-2})	¼-½"/1-2 lf	1-3"/ 2-4 lf
CYPES(5-10m^{-2})	3-5"/4-6 lf	4-6"/5-8 lf
ALRPH(1-5m^{-2})	2-4"/3-7 lf	4-6"/10-15 lf
CNPPA(8-15m^{-2})	½ - 1"/ cot-1 lf	1-2"/1-2 lf
SEBEX(3-5m^{-2})	1-2"/cot-2 lf	3-4"/2-4 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

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Newpath/Beyond with Pre-emergence Herbicides

Trial ID: C09-51 Protocol ID: C09-51
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	91b	90a	90b
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	92ab	90a	86b
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93ab	92a	93ab
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	94ab	93a	91ab
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	94ab	92a	97a
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95ab	93a	93ab
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	97a
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	97a	98a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	98a	98a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			

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Pest Code							ORYSA	ORYSA	ORYSA
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	97a	98a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
LSD (P=.05)								3.7	5.8	5.1
Standard Deviation								2.5	4.0	3.5
CV								2.68	4.27	3.7
Grand Mean								94.95	93.93	94.08
Bartlett's X2								3.765	17.149	10.428
P(Bartlett's X2)								0.584	0.029*	0.108

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath/Beyond with Pre-emergence Herbicides

Trial ID: C09-51 Protocol ID: C09-51
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93a	88a	86c
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	92a	88a	85c
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93a	93a	91abc
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	91a	89bc
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	94a	90a	95ab
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	93a	91a	89bc
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	97a	96ab
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	98a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	98a	98a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			

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Pest Code							ECHCG	ECHCG	ECHCG
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	98a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
LSD (P=.05)								4.4	6.7	5.5
Standard Deviation								3.0	4.6	3.8
CV								3.19	4.93	4.12
Grand Mean								94.93	93.0	92.53
Bartlett's X2								6.588	15.555	3.883
P(Bartlett's X2)								0.361	0.049*	0.693

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath/Beyond with Pre-emergence Herbicides

Trial ID: C09-51 Protocol ID: C09-51
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	88b	86bc	61bc
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	90ab	88abc	61bc
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	88b	85c	65bc
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	90ab	93ab	89a
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST			
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	88b	85c	46c
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	89b	88abc	74ab
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST			
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	94a	91a
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	95a	97a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST			
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	96a	93ab	93a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA			
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			

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Pest Code							ALRPH	ALRPH	ALRPH
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							18daB	27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	96a	95a	94a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST			
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST			
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA			
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA			
LSD (P=.05)								4.4	5.0	19.1
Standard Deviation								3.0	3.4	13.2
CV								3.3	3.83	17.11
Grand Mean								91.33	90.05	77.05
Bartlett's X2								6.591	4.104	35.752
P(Bartlett's X2)								0.36	0.848	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath/Beyond with Pre-emergence Herbicides

Trial ID: C09-51 Protocol ID: C09-51
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ECLAL	ECLAL
Rating Date							11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	66c	50bc
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	86b	56bc
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	83b	36c
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	85b	48bc
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	78b	48bc
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	85b	78ab
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	97a
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST	
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	97a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	96a	98a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	

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Pest Code							ECLAL	ECLAL
Rating Date							11/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL
Rating Unit							%	%
Trt-Eval Interval							27daB	39daB
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	98a	98a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST		
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST		
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA		
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA		
LSD (P=.05)								7.5	21.6
Standard Deviation								5.2	14.9
CV								5.96	21.11
Grand Mean								87.2	70.55
Bartlett's X2								2.986	26.223
P(Bartlett's X2)								0.811	0.001*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Newpath/Beyond with Pre-emergence Herbicides

Trial ID: C09-51 Protocol ID: C09-51
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							CNPPA	CNPPA	CNPPA	RICE
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009	17/Aug/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	AVG HEIGHT
Rating Unit							%	%	%	cm
Trt-Eval Interval							18daB	27daB	39daB	Maturity
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	97a	95a	84a
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA				
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	95a	92a	85a
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA				
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	97a	95a	87a
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA				
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	95a	83a
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA				
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	95a	92a	95a	83a
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA				
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	97a	86a
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA				
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	97a	89a
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA				
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	95a	95a	90a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA				
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	97a	90a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA				
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				

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Pest Code							CNPPA	CNPPA	CNPPA	RICE
Rating Date							2/Jun/2009	11/Jun/2009	23/Jun/2009	17/Aug/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	AVG HEIGHT
Rating Unit							%	%	%	cm
Trt-Eval Interval							18daB	27daB	39daB	Maturity
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	97a	97a	97a	87a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST				
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA				
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA				
LSD (P=.05)								3.5	4.9	4.6	7.2
Standard Deviation								2.4	3.4	3.2	5.0
CV								2.54	3.55	3.32	5.76
Grand Mean								95.78	95.8	95.35	86.41
Bartlett's X2								6.255	19.658	6.556	4.557
P(Bartlett's X2)								0.714	0.02*	0.683	0.871

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	RICE
Rating Date	31/Aug/2009
Rating Data Type	Yield
Rating Unit	lb/A
Trt-Eval Interval	HARVEST

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	3399d
1		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
1		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
1		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
2		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	4699c
2		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
2		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
2		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	5475bc
3		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST	
3		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
3		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	4778c
4		Prowl H2O	1	LB AI/A	33.7	FL OZ/A	VEPOST	
4		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
4		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
4		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	4997bc
5		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	
5		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
5		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	5241bc
6		Command	0.3	LB AI/A	12.8	FL OZ/A	VEPOST	
6		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
6		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
6		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	6014ab
7		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST	
7		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
7		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	6536a
8		Facet	0.5	LB AI/A	10.7	OZ/A	VEPOST	
8		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
8		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
8		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	6707a
9		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST	
9		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	2 WAA	
9		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	
10		Newpath	0.0625	LB AI/A	4	FL OZ/A	VEPOST	6448a
10		Grasp	0.0437	LB AI/A	2.8	FL OZ/A	VEPOST	
10		Agridex	1	% V/V	19.2	FL OZ/A	VEPOST	
10		Beyond	0.039	LB AI/A	5	FL OZ/A	2 WAA	
10		Agridex	1	% V/V	19.2	FL OZ/A	2 WAA	

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Pest Code	RICE
Rating Date	31/Aug/2009
Rating Data Type	Yield
Rating Unit	lb/A
Trt-Eval Interval	

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
LSD (P=.05)								781.9
Standard Deviation								538.9
CV								9.93
Grand Mean								5429.38
Bartlett's X2								8.448
P(Bartlett's X2)								0.49

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Clomazone Rate Increase

Experiment number	**C09-54**
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	4/16/09
Harvest date	N/A
Crop/Variety	CL131
Emergence date	4/29/09
Uniform std. treatment	N/A

Application type	PRE	EPOST	MPOST
Date applied [mm/dd/yy]	4/17/09	5/6/09	5/12/09
Time [hh:mm-hh:mm]	9:25-9:30 A	11:20-11:25 A	2:30-2:45 P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	70/63	83/78	87/79
Relative humidity [%]	77%	84%	84%
Wind [mph, direction]	7-9 E	9-10 S	1-3 S
Weather [sunny, etc]	sunny	cloudy	pt cloudy
Soil/Leaf surface moist	dry/ N/A	wet/dry	moist/dry
Crop stage/Height	PRE/ N/A	2-3 lf/4-5"	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	15/22	15/22	15/22
Applied by	EPW	JBH	JBH

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA (50-75 m^{-2})	1-5"/1-3 lf	3-5"/3-5lf
ECHCG (150-200 m^{-2})	1-4"/1-5 lf	4-6"/3-4lf
CYPIR (25-30 m^{-2})	½-3"/1-6 lf	2-4"/2-8 lf
ALRPH (2-3 m^{-2})	2-10"/5-30 lf	4-12"/10-40 lf
SEBEX (2-5 m^{-2})	2-4"/2-4 lf	4-6"/4-6 lf
AESIN (3-5 m^{-2})	2-3"/2-3 lf	3-5"/3-5 lf
COMDI (3-5 m^{-2})	½-2"/1-4 lf	1-4"/3-6 lf
CYPES(20-30 m^{-2})	2-4"/2-4 lf	5-9"/3-5 lf
CNPPA(10-20 m^{-2})	½ -1"/cot-1 lf	1-2"/1-2 lf

Flush Dates	5/16, 5/30
Permanent Flood	6/4

*AMFF – Air mix flat fan nozzles

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Clomazone Rate Increase

Trial ID: C09-54 Protocol ID:
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ORYSA	ORYSA	ORYSA
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	32daMPOST	44daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	95a	98a	95a
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
2		Command	0.4	LB AI/A	17	FL OZ/A	PRE	95a	98a	97a
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	93a	98a	97a
3		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.4	LB AI/A	17	FL OZ/A	PRE	97a	98a	94a
4		Command	0.4	LB AI/A	17	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Nontreated						0b	0b	0b
LSD (P=.05)								4.1	0.0	4.6
Standard Deviation								2.7	0.0	3.0
CV								3.51	0.0	3.94
Grand Mean								76.0	78.4	76.3
Bartlett's X2								1.917	0.0	3.835
P(Bartlett's X2)								0.383	.	0.28

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Clomazone Rate Increase

Trial ID: C09-54 Protocol ID:
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								ECHCG	ECHCG	ECHCG
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	32daMPOST	44daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	92a	97a	95a
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
2		Command	0.4	LB AI/A	17	FL OZ/A	PRE	93a	98a	97a
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	94a	98a	97a
3		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.4	LB AI/A	17	FL OZ/A	PRE	93a	98a	97a
4		Command	0.4	LB AI/A	17	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Nontreated						0b	0b	0b
LSD (P=.05)								5.3	1.0	2.7
Standard Deviation								3.4	0.7	1.7
CV								4.62	0.86	2.25
Grand Mean								74.3	78.25	77.25
Bartlett's X2								1.237	0.0	3.128
P(Bartlett's X2)								0.744	.	0.372

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Clomazone Rate Increase

Trial ID: C09-54 Protocol ID:
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								LEFPA	LEFPA	LEFPA
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	32daMPOST	44daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	91a	98a	93a
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
2		Command	0.4	LB AI/A	17	FL OZ/A	PRE	91a	98a	95a
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	90a	98a	95a
3		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.4	LB AI/A	17	FL OZ/A	PRE	92a	98a	97a
4		Command	0.4	LB AI/A	17	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Nontreated						0b	0b	0b
LSD (P=.05)								6.1	0.0	4.5
Standard Deviation								3.9	0.0	2.9
CV								5.39	0.0	3.82
Grand Mean								72.8	78.4	76.05
Bartlett's X2								0.118	0.0	3.309
P(Bartlett's X2)								0.99	.	0.346

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Clomazone Rate Increase

Trial ID: C09-54 Protocol ID:
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE	RICE
Rating Date								1/Jun/2009	11/Jun/2009	23/Jun/2009
Rating Data Type								INJURY	INJURY	INJURY
Rating Unit								%	%	%
Trt-Eval Interval								22daMPOST	32daMPOST	44daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage			
1	HERB	Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
1		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
1		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
2		Command	0.4	LB AI/A	17	FL OZ/A	PRE	0a	0a	0a
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
2		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
2		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
3		Command	0.3	LB AI/A	12.8	FL OZ/A	PRE	0a	0a	0a
3		Command	0.3	LB AI/A	12.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
3		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
3		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
4		Command	0.4	LB AI/A	17	FL OZ/A	PRE	0a	0a	0a
4		Command	0.4	LB AI/A	17	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	EPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	EPOST			
4		Newpath	0.063	LB AI/A	4.03	FL OZ/A	MPOST			
4		NIS	0.25	% V/V	4.8	FL OZ/A	MPOST			
5		Nontreated						0a	0a	0a
LSD (P=.05)								0.0	0.0	0.0
Standard Deviation								0.0	0.0	0.0
CV								0.0	0.0	0.0
Grand Mean								0.0	0.0	0.0
Bartlett's X2								0.0	0.0	0.0
P(Bartlett's X2)								.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Ultra Blazer plus Ricestar HT Efficacy and Crop Safety

Experiment number..... : **C09-57**
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 ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : MLPOST
Date applied [mm/dd/yy] ..... : 5/19/09
Time [hh:mm-hh:mm]..... : 1:30-1:45 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 76/73
Relative humidity [%]..... : 55%
Wind [mph, direction] ..... : 8-10 NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : moist/dry
Crop stage/Height ..... : 3-5lf/4-8"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : TPC

Weed Species (population)..... :- (height/#leaves) -
ECHCG (100-125 m^{-2})..... : 2-8"/3 lf-3 til
BRAPP(75-100 m^{-2}) ..... : 1-6"/2 lf-3 til
LEFPA(30-50m^{-2}) ..... : 4-6"/2 lf-3 til
ALRPH(4-6m^{-2})..... : 4-12"/20-50 lf
ECLAL(20-30m^{-2})……..... : 1-3"/4-8 lf
CYPIR(150-200m^{-2})..... : 2-6"/3-9 lf
CYPES(1-3m^{-2})……..... : 6-12"/6-12 lf

Flush Dates ..... : 5/8, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Ultra Blazer plus Ricestar HT Efficacy and Crop Safety

Trial ID: C09-57 Protocol ID: C09-57
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG	ECHCG	LEFPA	LEFPA
Pest Code								ECHCG	ECHCG	LEFPA	LEFPA
Rating Date								10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								22daMPOST	35daMPOST	22daMPOST	35daMPOST
1		Nontreated						0c	0a	0c	0a
2		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	50a	0a	50a	0a
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
2		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	50a	0a	53a	0a
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
3		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	61a	0a	61a	0a
4		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
4		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	55a	0a	63a	0a
5		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
5		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6		Clincher	0.186	LB AI/A	10	FL OZ/A	M-LPOST	0c	0a	0c	0a
6		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	30b	0a	30b	0a
7		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	50a	0a	50a	0a
8		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST	63a	0a	63a	0a
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
LSD (P=.05)								10.5	0.0	11.0	0.0
Standard Deviation								7.2	0.0	7.6	0.0
CV								18.08	0.0	18.47	0.0
Grand Mean								39.86	0.0	40.97	0.0
Bartlett's X2								9.244	0.0	9.758	0.0
P(Bartlett's X2)								0.10	.	0.135	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Pest Code							AESIN	AESIN	ALRPH	ALRPH
Rating Date							10/Jun/2009	23/Jun/2009	10/Jun/2009	23/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							22daMPOST	35daMPOST	22daMPOST	35daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0c	0a	0b	0a
2		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	83a	0a	60a	0a
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
2		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	65a	0a	60a	0a
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
3		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	83a	0a	64a	0a
4		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
4		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	40b	0a	40a	0a
5		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
5		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6		Clincher	0.186	LB AI/A	10	FL OZ/A	M-LPOST	30b	0a	0b	0a
6		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	20bc	0a	0b	0a
7		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	0c	0a	0b	0a
8		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST	63a	0a	43a	0a
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
LSD (P=.05)								18.7	0.0	17.9	0.0
Standard Deviation								12.8	0.0	12.2	0.0
CV								30.03	0.0	41.35	0.0
Grand Mean								42.58	0.0	29.58	0.0
Bartlett's X2								7.704	0.0	10.362	0.0
P(Bartlett's X2)								0.261	.	0.035*	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Pest Code							RICE	RICE
Rating Date							10/Jun/2009	23/Jun/2009
Rating Data Type							INJURY	INJURY
Rating Unit							%	%
Trt-Eval Interval							22daMPOST	35daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Nontreated					0a	0a
2		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	0a	0a
2		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST		
2		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST		
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
3		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	0a	0a
3		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST		
3		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST		
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
4		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST	0a	0a
4		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST		
4		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST		
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
5		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	0a	0a
5		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST		
5		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST		
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
6		Clincher	0.186	LB AI/A	10	FL OZ/A	M-LPOST	0a	0a
6		Ultra Blazer	0.125	LB AI/A	8	FL OZ/A	M-LPOST		
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
7		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	0a	0a
7		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST		
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
8		Ultra Blazer	0.25	LB AI/A	16	FL OZ/A	M-LPOST	0a	0a
8		Ricestar HT	0.109	LB AI/A	24	FL OZ/A	M-LPOST		
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
9		Londax	0.0375	LB AI/A	1	OZ WT/A	M-LPOST	0a	0a
9		Ricestar HT	0.077	LB AI/A	17	FL OZ/A	M-LPOST		
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST		
LSD (P=.05)							0.0	0.0
Standard Deviation							0.0	0.0
CV							0.0	0.0
Grand Mean							0.0	0.0
Bartlett's X2							0.0	0.0
P(Bartlett's X2)							.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf weed control efficacy in Clearfield rice with Storm, Ultra Blazer and Londax

Experiment number..... : **C09-58**
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 ..... : 4/16/09
Harvest date..... : N/A
Crop/Variety ..... : CL 131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : M-LPOST
Date applied [mm/dd/yy] ..... : 5/27/09
Time [hh:mm-hh:mm]..... : 10:50-11:30 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84/79
Relative humidity [%]..... : 90%
Wind [mph, direction] ..... : 1-2 NW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 5lf-1til/8-10"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
ECHCG (150-200 m^{-2})..... : 1-8"/2 lf-2 til
ORYSA(15-20 m^{-2})..... : 3-10"/2 lf-2 til
BRAPP(20-30m^{-2}) ..... : 1-4"/2 lf-1 til
CYPIR(150-200m^{-2})..... : 1-6"/3 lf-12 lf
CNPPA(5-15m^{-2})……..... : 1-4"/cot-4 lf
COMDI(2-5m^{-2})..... : 2-4"/3-6 lf
MEOCO(5-10m^{-2}) ..... : 1-3"/cot-5 lf

Flush Dates ..... : 5/16, /5/30
Permanent Flood..... : 6/4

*AMFF – Air mix flat fan nozzles

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Broadleaf weed control efficacy in Clearfield rice with Storm, Ultra Blazer and Londax

Trial ID: C09-58 Protocol ID: C09-58
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								ORYSA	ECHCG	SEBEX	SEBEX
Rating Date								12/Jun/2009	12/Jun/2009	12/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	16daLPOST	16daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0b	0c	0b	0b
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	5ab	15ab	94a	90a
2	HERB	Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
2	HERB	Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	6ab	23a	94a	90a
3		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
3		Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	6ab	16ab	94a	90a
4		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
4		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	6ab	15ab	98a	90a
5		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
5		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	5ab	15ab	95a	90a
6		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
6	HERB	Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	5ab	23a	98a	90a
7		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
7		Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	5ab	15ab	98a	90a
8		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
8		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	6ab	20ab	98a	90a
9		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
9		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10		Londax	0.0047	LB AI/A	0.75	OZ WT/A	M-LPOST	6ab	8bc	94a	90a
10	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	M-LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11		Duet CA	2	LB AI/A	2	QT/A	M-LPOST	8ab	10ab	98a	90a
11		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12		Duet CA	3	LB AI/A	3	QT/A	M-LPOST	13a	14ab	98a	90a
12		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								ORYSA	ECHCG	SEBEX	SEBEX
Rating Date								12/Jun/2009	12/Jun/2009	12/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	16daLPOST	16daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
13	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	6ab	20ab	0b	0b
13		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
LSD (P=.05)								5.2	8.2	7.3	0.0
Standard Deviation								3.7	5.8	5.1	0.0
CV								61.48	38.85	6.28	0.0
Grand Mean								5.96	14.81	81.29	76.15
Bartlett's X2								20.141	14.706	0.426	0.0
P(Bartlett's X2)								0.005*	0.196	0.98	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf weed control efficacy in Clearfield rice with Storm, Ultra Blazer and Londax

Trial ID: C09-58 Protocol ID: C09-58
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code								AESIN	AESIN	ALRPH	ECLAL
Rating Date								12/Jun/2009	22/Jun/2009	12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	26daLPOST	16daLPOST	16daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Nontreated						0c	0b	0b	0c
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	91a	97a
2	HERB	Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
2	HERB	Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	95a	98a
3		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
3		Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	94a	98a
4		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
4		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	95a	98a
5		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
5		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	94ab	90a	94a	98a
6		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
6	HERB	Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	93a	98a
7		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
7		Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	96a	98a
8		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
8		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	94a	98a
9		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
9		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10		Londax	0.0047	LB AI/A	0.75	OZ WT/A	M-LPOST	98a	90a	90a	98a
10	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	M-LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11		Duet CA	2	LB AI/A	2	QT/A	M-LPOST	98a	90a	90a	98a
11		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12		Duet CA	3	LB AI/A	3	QT/A	M-LPOST	98a	90a	93a	98a
12		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								AESIN	AESIN	ALRPH	ECLAL
Rating Date								12/Jun/2009	22/Jun/2009	12/Jun/2009	12/Jun/2009
Rating Data Type								CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	26daLPOST	16daLPOST	16daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
13	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	88 b	88 a	91 a	91 b
13		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
LSD (P=.05)								5.8	2.0	4.0	3.2
Standard Deviation								4.1	1.4	2.8	2.2
CV								4.58	1.67	3.3	2.47
Grand Mean								89.33	82.88	85.69	89.83
Bartlett's X2								0.243	0.0	6.894	4.393
P(Bartlett's X2)								0.622	.	0.735	0.036*

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Broadleaf weed control efficacy in Clearfield rice with Storm, Ultra Blazer and Londax

Trial ID: C09-58 Protocol ID: C09-58
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA	CNPPA	RICE	RICE
Pest Code								CNPPA	CNPPA	RICE	RICE
Rating Date								12/Jun/2009	22/Jun/2009	12/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	26daLPOST	16daLPOST	26daLPOST
1		Nontreated						0c	0b	0a	0a
2	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	92a	90a	0a	0a
2	HERB	Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
2	HERB	Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
2		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
3		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	97a	90a	0a	0a
3		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
3		Storm	0.25	LB AI/A	0.5	PT/A	M-LPOST				
3		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
4		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	0a	0a
4		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
4		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
4		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
5		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	0a	0a
5		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
5		Storm	0.5	LB AI/A	1	PT/A	M-LPOST				
5		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
6		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	96a	90a	0a	0a
6		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
6	HERB	Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
6		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
7		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	96a	90a	0a	0a
7		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
7		Ultra Blazer	0.125	LB AI/A	0.5	PT/A	M-LPOST				
7		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
8		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	0a	0a
8		Londax	0.00313	LB AI/A	0.5	OZ WT/A	M-LPOST				
8		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
8		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
9		Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	98a	90a	0a	0a
9		Londax	0.00625	LB AI/A	1	OZ WT/A	M-LPOST				
9		Ultra Blazer	0.25	LB AI/A	1	PT/A	M-LPOST				
9		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
10		Londax	0.0047	LB AI/A	0.75	OZ WT/A	M-LPOST	79b	90a	0a	0a
10	HERB	Permit	0.0117	LB AI/A	0.25	OZ WT/A	M-LPOST				
10		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
11		Duet CA	2	LB AI/A	2	QT/A	M-LPOST	98a	90a	0a	0a
11		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
12		Duet CA	3	LB AI/A	3	QT/A	M-LPOST	97a	90a	0a	0a
12		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				

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Pest Code								CNPPA	CNPPA	RICE	RICE
Rating Date								12/Jun/2009	22/Jun/2009	12/Jun/2009	22/Jun/2009
Rating Data Type								CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%
Trt-Eval Interval								16daLPOST	26daLPOST	16daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
13	HERB	Newpath	0.0625	LB AI/A	4	FL OZ/A	M-LPOST	83 b	90 a	0 a	0 a
13		Agridex	1	% V/V	19.2	FL OZ/A	M-LPOST				
LSD (P=.05)								6.4	0.0	0.0	0.0
Standard Deviation								4.5	0.0	0.0	0.0
CV								5.17	0.0	0.0	0.0
Grand Mean								86.85	83.08	0.0	0.0
Bartlett's X2								19.863	0.0	0.0	0.0
P(Bartlett's X2)								0.003*	.	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Bolero + Propanil Rate Study

Experiment number..... : **C09-59**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 4/14/09
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29/09
Uniform std. treatment..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 5/7/09
Time [hh:mm-hh:mm]..... : 9:15-9:30 A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 81/79
Relative humidity [%]..... : 86%
Wind [mph, direction] ..... : 3-5 S
Weather [sunny, etc] ..... : pt cloudy
Soil/Leaf surface moist..... : moist/wet
Crop stage/Height ..... : 2-3 lf/4-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : SLB

Weed Species (population)..... :- (height/#leaves) -
ECHCG (45-60 m^{-2})..... : 1-6"/2 lf-1 til
BRAPP (50-75 m^{-2}) ..... : 1-4"/1 lf-1 til
LEFPA (30-40m^{-2}) ..... : 1-4"/1-5 lf
COMDI (2-5 m^{-2})..... : 1-2"/1-3 lf
ECLAL (50-70 m^{-2})……..... : ½-1"/2-4 lf
CYPIR (100-150 m^{-2})…… ..... : ½-2"/2-4 lf
CYPES (2-3 m^{-2})……..... : 3-6"/3-6 lf
PHYAN (40-60 m^{-2})……..... : ½-2/1-4 lf
ALRPH (2-3 m^{-2})……..... : 4-12"/10-30 lf
AESIN (2-4 m^{-2})……..... : 1-3"/2-4 lf
SEBEX (2-4 m^{-2})……..... : 1-3"/2-4 lf

Flush Dates ..... : 5/8, 5/15, 5/29
Permanent Flood..... : 6/8

*AMFF – Air mix flat fan nozzles

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Bolero + Propanil Rate Study

Trial ID: C09-59
Location: RRS-Crowley, LA

Protocol ID: C09-59
Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG 2/Jun/2009 CONTROL % 26daMPOST	ECHCG 6/Jul/2009 CONTROL % 34daMPOST	BRAPP 2/Jun/2009 CONTROL % 26daMPOST	BRAPP 6/Jul/2009 CONTROL % 34daMPOST
1	HERB	Ricebeau	3	LB AI/A	2	QT/A	MPOST	43abc	20cd	43a-d	20abc
2		Ricebeau	4.5	LB AI/A	3	QT/A	MPOST	56a	30a-d	54ab	23ab
3		Ricebeau	6	LB AI/A	4	QT/A	MPOST	55a	30a-d	55ab	20abc
4		Ricebeau	8	LB AI/A	5.33	QT/A	MPOST	59a	45ab	63a	28a
5	HERB	Bolero	1.5	LB AI/A	1.5	PT/A	MPOST	26c	0e	26d	15bc
6		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST	23c	0e	23d	10c
7		Bolero	3	LB AI/A	3	PT/A	MPOST	26c	15de	26d	20abc
8		Bolero	4	LB AI/A	4	PT/A	MPOST	31bc	18cde	31cd	20abc
9	HERB	Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	43abc	25bcd	43a-d	20abc
10		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	49ab	28bcd	49abc	23ab
11		Riceshot	3	LB AI/A	3	QT/A	MPOST	50ab	38abc	50abc	23ab
12		Riceshot	4	LB AI/A	4	QT/A	MPOST	59a	38abc	59a	28a
13		Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	35bc	28bcd	35bcd	15bc
13		Bolero	1.5	LB AI/A	1.5	PT/A	MPOST				
14		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	60a	38abc	60a	28a
14		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST				
15		Riceshot	3	LB AI/A	3	QT/A	MPOST	58a	33a-d	58a	28a
15		Bolero	3	LB AI/A	3	PT/A	MPOST				
16		Riceshot	4	LB AI/A	4	QT/A	MPOST	61a	50a	61a	25ab
16		Bolero	4	LB AI/A	4	PT/A	MPOST				
17		Nontreated						0d	0e	0e	0d
LSD (P=.05)								13.4	13.0	13.8	6.7
Standard Deviation								9.4	9.1	9.7	4.7
CV								21.73	35.71	22.43	23.28
Grand Mean								43.09	25.44	43.16	20.15
Bartlett's X2								18.256	7.624	20.569	3.375
P(Bartlett's X2)								0.249	0.747	0.151	0.971

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Bolero + Propanil Rate Study

Trial ID: C09-59 Protocol ID: C09-59
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	LEFPA 2/Jun/2009 CONTROL % 26daMPOST	LEFPA 6/Jul/2009 CONTROL % 34daMPOST	AESIN 2/Jun/2009 CONTROL % 26daMPOST	AESIN 6/Jul/2009 CONTROL % 34daMPOST
1	HERB	Ricebeau	3	LB AI/A	2	QT/A	MPOST	48abc	20ab	95a	90a
2		Ricebeau	4.5	LB AI/A	3	QT/A	MPOST	64a	23ab	95a	90a
3		Ricebeau	6	LB AI/A	4	QT/A	MPOST	55ab	20ab	93a	90a
4		Ricebeau	8	LB AI/A	5.33	QT/A	MPOST	63a	28a	94a	90a
5	HERB	Bolero	1.5	LB AI/A	1.5	PT/A	MPOST	20e	18ab	36b	28c
6		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST	23e	13b	41b	38bc
7		Bolero	3	LB AI/A	3	PT/A	MPOST	23e	20ab	34b	33bc
8		Bolero	4	LB AI/A	4	PT/A	MPOST	31de	20ab	45b	43b
9	HERB	Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	40bcd	20ab	93a	90a
10		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	49abc	23ab	94a	90a
11		Riceshot	3	LB AI/A	3	QT/A	MPOST	50abc	18ab	95a	90a
12		Riceshot	4	LB AI/A	4	QT/A	MPOST	56a	28a	95a	90a
13		Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	35cde	20ab	93a	90a
13		Bolero	1.5	LB AI/A	1.5	PT/A	MPOST				
14		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	60a	28a	95a	90a
14		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST				
15		Riceshot	3	LB AI/A	3	QT/A	MPOST	59a	28a	95a	90a
15		Bolero	3	LB AI/A	3	PT/A	MPOST				
16		Riceshot	4	LB AI/A	4	QT/A	MPOST	63a	25a	95a	90a
16		Bolero	4	LB AI/A	4	PT/A	MPOST				
17		Nontreated						0f	0c	0c	0d
LSD (P=.05)								11.0	7.3	10.4	10.3
Standard Deviation								7.7	5.1	7.3	7.2
CV								17.79	25.11	9.63	10.03
Grand Mean								43.31	20.44	75.66	71.76
Bartlett's X2								15.764	4.906	31.382	0.785
P(Bartlett's X2)								0.328	0.897	0.001*	0.853

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
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LSU AgCenter
School of Plant, Environmental, and Soil Sciences

Bolero + Propanil Rate Study

Trial ID: C09-59 Protocol ID: C09-59
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 2/Jun/2009 CONTROL % 26daMPOST	ALRPH 6/Jul/2009 CONTROL % 34daMPOST	ECLAL 2/Jun/2009 CONTROL % 26daMPOST	ECLAL 6/Jul/2009 CONTROL % 34daMPOST
1	HERB	Ricebeau	3	LB AI/A	2	QT/A	MPOST	19ab	0a	26a	0a
2		Ricebeau	4.5	LB AI/A	3	QT/A	MPOST	20a	0a	26a	0a
3		Ricebeau	6	LB AI/A	4	QT/A	MPOST	23a	0a	30a	0a
4		Ricebeau	8	LB AI/A	5.33	QT/A	MPOST	28a	0a	28a	0a
5	HERB	Bolero	1.5	LB AI/A	1.5	PT/A	MPOST	19ab	0a	19a	0a
6		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST	18ab	0a	18a	0a
7		Bolero	3	LB AI/A	3	PT/A	MPOST	16ab	0a	20a	0a
8		Bolero	4	LB AI/A	4	PT/A	MPOST	18ab	0a	18a	0a
9	HERB	Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	26a	0a	20a	0a
10		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	28a	0a	24a	0a
11		Riceshot	3	LB AI/A	3	QT/A	MPOST	25a	0a	25a	0a
12		Riceshot	4	LB AI/A	4	QT/A	MPOST	24a	0a	23a	0a
13		Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	25a	0a	26a	0a
13		Bolero	1.5	LB AI/A	1.5	PT/A	MPOST				
14		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	23a	0a	26a	0a
14		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST				
15		Riceshot	3	LB AI/A	3	QT/A	MPOST	31a	0a	26a	0a
15		Bolero	3	LB AI/A	3	PT/A	MPOST				
16		Riceshot	4	LB AI/A	4	QT/A	MPOST	24a	0a	20a	0a
16		Bolero	4	LB AI/A	4	PT/A	MPOST				
17		Nontreated						0b	0a	0b	0a
LSD (P=.05)								13.1	0.0	11.1	0.0
Standard Deviation								9.2	0.0	7.8	0.0
CV								42.78	0.0	35.27	0.0
Grand Mean								21.4	0.0	21.99	0.0
Bartlett's X2								18.956	0.0	10.216	0.0
P(Bartlett's X2)								0.216	.	0.676	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental, and Soil Sciences

Bolero + Propanil Rate Study

Trial ID: C09-59 Protocol ID: C09-59
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code								RICE	RICE
Rating Date								2/Jun/2009	6/Jul/2009
Rating Data Type								INJURY	INJURY
Rating Unit								%	%
Trt-Eval Interval								26daMPOST	34daMPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage		
1	HERB	Ricebeau	3	LB AI/A	2	QT/A	MPOST	0a	0a
2		Ricebeau	4.5	LB AI/A	3	QT/A	MPOST	0a	0a
3		Ricebeau	6	LB AI/A	4	QT/A	MPOST	0a	0a
4		Ricebeau	8	LB AI/A	5.33	QT/A	MPOST	0a	0a
5	HERB	Bolero	1.5	LB AI/A	1.5	PT/A	MPOST	0a	0a
6		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST	0a	0a
7		Bolero	3	LB AI/A	3	PT/A	MPOST	0a	0a
8		Bolero	4	LB AI/A	4	PT/A	MPOST	0a	0a
9	HERB	Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	0a	0a
10		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	0a	0a
11		Riceshot	3	LB AI/A	3	QT/A	MPOST	0a	0a
12		Riceshot	4	LB AI/A	4	QT/A	MPOST	0a	0a
13		Riceshot	1.5	LB AI/A	1.5	QT/A	MPOST	0a	0a
13		Bolero	1.5	LB AI/A	1.5	PT/A	MPOST		
14		Riceshot	2.25	LB AI/A	2.25	QT/A	MPOST	0a	0a
14		Bolero	2.25	LB AI/A	2.25	PT/A	MPOST		
15		Riceshot	3	LB AI/A	3	QT/A	MPOST	0a	0a
15		Bolero	3	LB AI/A	3	PT/A	MPOST		
16		Riceshot	4	LB AI/A	4	QT/A	MPOST	0a	0a
16		Bolero	4	LB AI/A	4	PT/A	MPOST		
17		Nontreated						0a	0a
LSD (P=.05)								0.0	0.0
Standard Deviation								0.0	0.0
CV								0.0	0.0
Grand Mean								0.0	0.0
Bartlett's X2								0.0	0.0
P(Bartlett's X2)								.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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School of Plant, Environmental and Soil Sciences

Regiment with Triple Play

Experiment number..... : **C09-61**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 4/14
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 4/29
Uniform std. treatment..... : N/A

Application type..... : LPOST
Date applied [mm/dd/yy] ..... : 5/27/09
Time [hh:mm-hh:mm]..... : 11:45-12:00 P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84/79
Relative humidity [%]..... : 90%
Wind [mph, direction] ..... : 1-2 NW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 5lf-1til/8-10"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 15/22
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) -
ECHCG(100-120m^{-2})..... : 4-8"/4lf-1 til
AESIN(5-10m^{-2})..... : 6-8"/8-10 lf
BRAPP(50-70m^{-2})…….. ..... : 4-6"/4lf-1 til
ECLAL(50-70m^{-2}) ..... : 1-3"/2-6 lf

Flush Dates ..... : 4/17, 5/15, 5/30
Permanent Flood..... : 6/9

*AMFF – Air mix flat fan nozzles

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School of Plant, Environmental, and Soil Sciences

Regiment with Triple Play

Trial ID: C09-61 Protocol ID: C09-61
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							10/Jun/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							14daLPOST	26daLPOST	14daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0d	0b	0a	0a
2		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	45bc	23a	0a	0a
2		Triple Play	0.65	% V/V	12.5	FL OZ/A	LPOST				
3		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	49b	21a	0a	0a
3		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				
4		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	34c	23a	0a	0a
4		COC	1	% V/V	19.2	FL OZ/A	LPOST				
5		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	64a	23a	0a	0a
5		Kinetic	0.25	% V/V	4.8	FL OZ/A	LPOST				
LSD (P=.05)								12.0	5.4	0.0	0.0
Standard Deviation								7.8	3.5	0.0	0.0
CV								20.43	19.92	0.0	0.0
Grand Mean								38.25	17.75	0.0	0.0
Bartlett's X2								4.961	2.038	0.0	0.0
P(Bartlett's X2)								0.175	0.564	.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Regiment with Triple Play

Trial ID: C09-61 Protocol ID: C09-61
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							AESIN	AESIN	ECLAL	ECLAL
Rating Date							10/Jun/2009	22/Jun/2009	10/Jun/2009	22/Jun/2009
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							14daLPOST	26daLPOST	14daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage				
1		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0b	0b	0b	0b
2		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	74a	85a	71a	91a
2		Triple Play	0.65	% V/V	12.5	FL OZ/A	LPOST				
3		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	75a	80a	75a	90a
3		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST				
4		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	78a	85a	73a	91a
4		COC	1	% V/V	19.2	FL OZ/A	LPOST				
5		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	81a	90a	71a	89a
5		Kinetic	0.25	% V/V	4.8	FL OZ/A	LPOST				
LSD (P=.05)								9.3	12.9	6.0	2.9
Standard Deviation								6.0	8.4	3.9	1.9
CV								9.82	12.3	6.72	2.6
Grand Mean								61.5	68.0	58.0	72.25
Bartlett's X2								0.33	0.08	0.555	0.0
P(Bartlett's X2)								0.954	0.961	0.758	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Regiment with Triple Play

Trial ID: C09-61 Protocol ID: C09-61
Location: RRS-Crowley, LA Study Director:
Investigator: Eric P. Webster

Pest Code							RICE	RICE
Rating Date							10/Jun/2009	22/Jun/2009
Rating Data Type							INJURY	INJURY
Rating Unit							%	%
Trt-Eval Interval							26daLPOST	26daLPOST
Trt No.	Type	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	
1		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0a 0a
2		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0a 0a
2		Triple Play	0.65	% V/V	12.5	FL OZ/A	LPOST	
3		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0a 0a
3		Dyne-a-pak	1	% V/V	19.2	FL OZ/A	LPOST	
4		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0a 0a
4		COC	1	% V/V	19.2	FL OZ/A	LPOST	
5		Regiment	0.0265	LB AI/A	0.53	OZ WT/A	LPOST	0a 0a
5		Kinetic	0.25	% V/V	4.8	FL OZ/A	LPOST	
LSD (P=.05)							0.0	0.0
Standard Deviation							0.0	0.0
CV							0.0	0.0
Grand Mean							0.0	0.0
Bartlett's X2							0.0	0.0
P(Bartlett's X2)							.	.

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Appendix I

Abbreviations

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**
Da	**Days after**
DPRE	**Delayed preemergence application**
DAE	**Days after emergence**
daEPOT	**Days after early postemergence application**
daFLOOD	**Days after flood establishment**
daLPOT	**Days after late postemergence application**
daMPOT	**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**
EPOT	**Early postemergence application**
EPOST-FLOOD	**Early postemergence after flood establishment**
F	**Flood**
FAT	**Factorial arrangement of treatments**
FF	**Flat fan nozzles**
FL OZ/A	**Fluid ounces product per acre**
G	**Grams**
GPA	**Gallons per acre**
HT	**Height**
In	**Inches**
LB	**Pounds**
LB/A	**Pounds product per acre**
LB A/A	**Pounds active ingredient per acre**
lf	**Leaf**
LPOT	**Late postemergence application**
LPOST-FLOOD	**Late postemergence after flood establishment**
MC	**Mostly cloudy**
MPOT	**Mid postemergence application**
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**
PEGGING	**Pegging application**
PI	**Panicle initiation**
PPI	**Preplant incorporated application**
PRE	**Preemergence application**
PRE-SEED	**Application to pregerminated seed**
PRE-SOIL	**Surface application prior to water-seeding**
POT	**Postemergence application**
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**
STAND	**Rice stand count**
STETOT	**Total stems**
STUNT	**Percent rice stunting**
TD	**TurboDrop XL drift reduction nozzles**
TDM	**Total dry matter**
TILL	**Tiller**
WAT	**Weeks after treatment**
WT	**Weight**
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**

Common Rice Weeds of Louisiana

Bayer Code	Common Name	Scientific Name
AESIN	Indian jointvetch	*Aeschynomene indica*
ALRPH	Alligatorweed	*Alternanthera philoxeroides*
BRAPP	broadleaf signalgrass	*Urochloa platyphylla*
BROOK[a]	Brook paspalum	*Paspalum acuminatum*
CNPCA	Mexicanweed	*Caperonia castaniifolia*
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*
POLPE	ladysthumb	*Polygonum aviculare*
RANAR	corn buttercup	*Ranunculus arvensis*
ROTRA	toothcup	*Rotala ramosior*
SEBEX	hemp sesbania	*Sesbania herbacea*

[a]No WSSA approved BAYER code at this time.

Appendix II

List of Chemicals

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
Arrosolo	3-3 EC	Zeneca	molinate + propanil	s-ethyl hexahydro-1H-azepine-1-carbothioate + 3',4'-dichloropropionanilide
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/g) + 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
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)
Londax	60 DF	DuPont	bensulfuron	methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino]sulfonyl]methyl]benzoate

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
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 or Stam SC	4 EC 4 SC	UPI	propanil	3',4'-dichloropropionanilide
Strada	50	Isagro USA	orthosulfamuron	N/A
Superwham	4 EC	Riceco	propanil	3',4'-dichloropropionanilide

Spray Adjuvants

Trade Name	Formulation	Company	Common Name	Composition
AG-98	80%	Dow AgroSciences	spreader acitivator	alkylaryl polyoxyethylene glycols
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
Herbimax	100%	UAP	oil surfactant adjuvant	Light paraffinic distillate, odorless aliphatic petroleum solvent (83%); mono and diesters of omega hydroxypoly oxyethylene (17%)
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
Phase II	80%	UAP	Surfactant-deposition aid	Carbamides, alcohol ethoxylates, methylated esters of fatty acids

Appendix III

Weather Data

2009 Weather Data for Rice Research Station, Crowley, LA

Day	April			May			June			July			August		
	High F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches
1	69	51	0.00	83	70	0.00	86	66	0.00	97	74	0.00	92	77	0.00
2	76	56	0.58	84	71	0.00	86	68	0.00	101	77	0.00	92	72	2.62
3	71	50	0.00	80	66	0.57	89	67	0.00	99	76	0.00	94	74	0.01
4	75	54	0.01	82	69	0.70	83	67	0.00	95	78	0.00	95	76	0.00
5	83	56	0.01	85	71	0.00	84	65	0.00	96	78	0.00	93	76	0.00
6	62	46	0.00	84	76	0.00	87	60	0.00	95	73	1.93	93	77	0.04
7	64	39	0.00	85	74	0.00	88	66	0.00	89	73	2.22	94	74	0.07
8	73	42	0.00	85	73	0.00	90	68	0.00	91	76	0.09	92	74	0.02
9	76	58	0.00	87	73	0.00	92	71	0.00	95	76	0.01	91	74	0.21
10	84	65	0.00	88	75	0.00	92	72	0.00	95	76	0.00	95	75	0.00
11	74	57	0.00	89	68	0.06	91	74	0.00	95	77	0.00	94	74	0.00
12	77	64	0.85	88	69	0.31	91	74	0.00	94	78	0.00	94	76	0.00
13	80	58	0.02	86	72	0.01	92	73	0.00	96	78	0.00	94	74	0.00
14	71	49	0.00	86	71	0.00	93	73	0.00	95	77	0.00	95	73	0.00
15	76	51	0.00	89	70	0.00	93	73	0.00	89	77	0.00	94	72	0.00
16	77	56	0.00	84	70	0.13	94	73	0.00	91	76	0.33	93	73	0.00
17	78	59	1.44	72	58	0.01	94	72	0.00	86	74	0.17	92	75	0.03
18	74	64	5.71	76	55	0.00	95	71	0.00	94	71	0.14	89	75	0.36
19	79	63	0.00	78	56	0.00	96	73	0.00	89	69	0.01	92	74	0.04
20	74	56	0.00	84	55	0.00	95	73	0.00	88	69	0.00	90	74	0.11
21	80	57	0.00	84	66	0.00	96	74	0.00	88	73	0.28	90	74	0.45
22	81	59	0.00	80	66	0.00	96	75	0.00	83	72	0.02	91	73	0.02
23	81	66	0.01	85	68	0.00	98	74	0.00	90	70	0.33	88	68	0.00
24	82	66	0.00	81	67	0.03	101	77	0.00	91	71	0.00	89	66	0.00
25	82	70	0.00	85	68	0.09	99	77	0.00	94	71	0.00	90	67	0.00
26	81	67	0.00	88	69	0.00	100	74	0.00	90	74	0.03	90	69	0.00
27	83	73	0.01	87	65	0.00	98	78	0.00	88	75	0.09	92	68	0.04
28	82	64	1.07	85	65	0.00	99	78	0.00	91	75	0.00	86	71	0.15
29	81	67	0.00	86	62	0.00	100	75	1.51	92	76	0.00	91	71	0.01
30	82	66	0.00	86	62	0.00	96	75	0.00	93	77	0.00	88	70	0.01
31				90	64	0.00				92	75	0.03	88	72	0.00