Weed Science

Rice Annual Research Report

2012

Photo. Rice Harvest at Northeast Research and Extension Center at St. Joesph, LA



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Weed Science

Annual Research Report

2012

Louisiana State University Agricultural Center
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and Director of the
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Research Summary: 2012-306-7750

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Introduction

This report summarizes the 2011 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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Helena
Isagro, USA
Riceco
Syngenta
Valent USA Corporation

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen plus Adjuvant Evaluation

Experiment number	:	**C12-02**
Location	:	RRS-Crowley, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	:	1.4
pH	:	6.4
CEC	:	19.1
Planting date	:	4/11/12
Harvest date	:	8/18/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:	PRE	EPOST
Date applied [mm/dd/yy]	:	4/12/12	4/30/12
Time [hh:mm-hh:mm]	:	8:30-8:45A	10:00-10:15A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	43/76	80/75
Relative humidity [%]	:	85	68
Wind [mph, direction]	:	6/E	2-6/SE
Weather [sunny, etc]	:	sunny	pt. cloudy
Soil/Leaf surface moist	:	dry/dry	moist/dry
Crop stage/Height	:	N/A	2-3lf/3-4"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110010	AMFF/110010
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/22
Applied by	:	EPW	EPW

Weed Species (population)	:---------- (height/#leaves) ----------	
BRAPP(25-50m^{-2})	:	1-3"/1-3lf
CNPPA(2-4m^{-2})	:	1-3"/1-3lf
ALRPH(3-6m^{-2})……:……	:	1-6"/10-40lf
CYPES(5-8m^{-2})	:	3-8"/3-9lf
CYPIR(20-40m^{-2})	:	1-3"/1-3lf

Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles

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Sharpen/Adjuvant Evaluation

Trial ID:C12-02 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-02 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									SEBEX	SEBEX	SEBEX	ALRPH	ALRPH
Rating Date									5/14/2012	5/22/2012	6/5/2012	5/14/2012	5/22/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	23 DAT	27 DAT	15 DAT	23 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76c	81b	82c	25cd	24c
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	93a	97a	23cd	29bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	97a	80c	20d	26bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	97a	96ab	23cd	25bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96a	98a	29c	31bc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83bc	92a	87bc	28cd	31bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	93a	98a	29c	28bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	97a	50a	31bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	97ab	30c	48a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	98a	41b	35bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	94a	94ab	23cd	36ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76c	73b	68d	23cd	34bc
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0c	0e	0e	0d
LSD (P=.05)									10.0	10.0	9.7	8.3	12.1
Standard Deviation									7.0	7.0	6.8	5.8	8.5
CV									8.39	8.21	8.12	22.06	29.19
Replicate F									1.302	1.186	4.647	0.741	0.294
Replicate Prob(F)									0.2886	0.3289	0.0076	0.5346	0.8292
Treatment F									55.586	57.939	62.473	15.942	6.323
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen/Adjuvant Evaluation

Trial ID:C12-02 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-02 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									CNPPA	CNPPA	CNPPA	CYPES	CYPES
Rating Date									5/14/2012	5/22/2012	6/5/2012	5/14/2012	5/22/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	23 DAT	27 DAT	15 DAT	23 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	79b	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	94a	96a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Induce	100%		0.25%	v/v	4.8	fl oz/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	95a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	96a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	95a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Dyne-Amic	100%		1%	v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	92a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	95a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Induce	100%		0.25%	v/v	4.8	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	98a	0b	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	98a	15a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	98a	15a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Dyne-Amic	100%		1%	v/v	19.2	fl oz/a	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73b	94a	97a	0b	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58c	65c	55b	0b	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0d	0c	0b	0a
LSD (P=.05)									11.2	11.9	5.5	3.2	0.0
Standard Deviation									7.9	8.3	3.8	2.3	0.0
CV									9.61	9.91	4.41	98.13	0.0
Replicate F									1.376	1.333	0.666	1.000	0.000
Replicate Prob(F)									0.2656	0.2788	0.5781	0.4040	1.0000
Treatment F									47.063	41.640	224.064	24.750	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Sharpen/Adjuvant Evaluation

Trial ID:C12-02 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-02 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 6/5/2012 CONTROL % 27 DAT 0	CYPIR 5/14/2012 CONTROL % 15 DAT 0	CYPIR 5/22/2012 CONTROL % 23 DAT 0	CYPIR 6/5/2012 CONTROL % 27 DAT 0	RICE 5/14/2012 INJURY % 15 DAT 0	RICE 5/22/2012 INJURY % 23 DAT 0
	Pest Code													
	Rating Date								6/5/2012	5/14/2012	5/22/2012	6/5/2012	5/14/2012	5/22/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								27 DAT	15 DAT	23 DAT	27 DAT	15 DAT	23 DAT
	Number of Decimals								0	0	0	0	0	0
									11	12	13	14	15	16
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33a	45cd	46d	35def	16bc	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30a	49bcd	48d	55a-d	16bc	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33a	40de	31e	50b-e	19bc	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38a	58a-d	61bc	48c-f	21b	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30a	48bcd	61bc	40def	20bc	0a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43a	63abc	70ab	73a	14bcd	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38a	65ab	60c	68abc	20bc	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38a	73a	69abc	68abc	20bc	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43a	70a	69abc	70ab	21b	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35a	74a	76a	68abc	30a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	20f	0f	30ef	13cd	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	23ef	23e	28f	8de	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0g	0f	0g	0e	0a
	LSD (P=.05)								12.8	19.5	9.0	20.0	7.7	0.0
	Standard Deviation								8.9	13.6	6.3	14.0	5.4	0.0
	CV								32.53	28.35	13.36	28.91	32.32	0.0
	Replicate F								1.434	0.310	0.343	0.314	3.529	0.000
	Replicate Prob(F)								0.2489	0.8177	0.7947	0.8154	0.0244	1.0000
	Treatment F								13.069	11.030	68.499	9.438	7.356	0.000
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Sharpen/Adjuvant Evaluation

Trial ID:C12-02 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-02 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/5/2012 INJURY % 27 DAT 0	RICE 8/6/2012 HEIGHT cm 99 DAT 0	RICE 8/6/2012 HEIGHT cm 99 DAT 0	RICE 8/6/2012 AVG HT cm 99 DAT 0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10ab	103a-e	102a	102b-e
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9abc	105abc	104a	104abc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST				
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9abc	101cde	101a	101cde
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST				
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	11ab	104a-d	104a	104a-d
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST				
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9abc	99de	99a	99de
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST				
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6bc	101b-e	103a	102b-e
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13a	100cde	102a	101cde
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
	Induce	100%		0.25	% v/v	4.8	fl oz/a	EPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9abc	108a	107a	107a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9abc	105abc	105a	105abc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
	MSO	100%		1	% v/v	19.2	fl oz/a	EPOST				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13a	106ab	107a	107ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
	Dyne-Amic	100%		1	% v/v	19.2	fl oz/a	EPOST				
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8abc	101cde	102a	101cde
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST				
	Agri-Dex	100%		1	% v/v	19.2	fl oz/a	EPOST				
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4cd	102b-e	101a	101cde
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST				
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	98e	99a	98e
LSD (P=.05)									5.5	5.5	5.7	5.0
Standard Deviation									3.8	3.8	4.0	3.5
CV									46.27	3.75	3.89	3.4
Replicate F									1.095	10.059	1.291	5.682
Replicate Prob(F)									0.3638	0.0001	0.2924	0.0027
Treatment F									3.241	2.344	1.709	2.450
Treatment Prob(F)									0.0031	0.0242	0.1058	0.0189

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen Efficacy and Tankmixes

Experiment number	:	**C12-03**
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	:	4/11/12
Harvest date	:	8/7/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:	PRE	EPOST
Date applied [mm/dd/yy]	:	04/12/12	4/30/12
Time [hh:mm-hh:mm]	:	8:45-9:00A	9:05-9:15A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	63/76	76/75
Relative humidity [%]	:	85	92
Wind [mph, direction]	:	6/E	2-6/E,SE
Weather [sunny, etc]	:	sunny	pt. cloudy
Soil/Leaf surface moist	:	dry/dry	moist/dry
Crop stage/Height	:	N/A	2-3lf/2-4"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/22
Applied by	:	EPW	EPW

Weed Species (population)	:-------	(height/#leaves) -------
BRAPP(100-150m^{-2})	:	0.5-3"/1-4lf
SEBEX(20-30m^{-2})	:	1-3"/cot-3lf
LEFPA(9-20m^{-2})……:	:	1-4"/1-3lf
ECHCG(20-30m^{-2})	:	0.5-2"/1-3lf
CNPPA(10-20m^{-2})	:	0.5-2"/cot-3lf
ALRPH(4-10m^{-2})	:	4-6"/5-40lf
CYPES(5-10m^{-2})	:	3-6"/3-6lf
CYPIR(6-10m^{-2})	:	1-3"/3-6lf

Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date									5/14/2012	5/22/2012	6/5/2012	5/14/2012	5/22/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	22 DAT	36 DAT	14 DAT	22 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0e	0e	0e	0e	0g
2	Sharpen	2.85LBA/GAL		0.0167	lb ai/a	0.75	fl oz/a	EPOST	21d	25d	0e	20d	23f
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	63b	35c	0e	30c	33de
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2LBA/GAL		0.0313	lb ai/a	2	fl oz/a	EPOST	30c	28cd	0e	30c	28ef
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	91a	92a	88b	88b	90bc
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	95a	96a	98a	91ab	95ab
	Facet L	1.5LBA/GAL		0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	95a	96a	97a	90ab	93abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	91a	96a	93ab	88b	98a
	Facet L	1.5LBA/GAL		0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	93a	97a	91ab	88b	97a
	Permit	75%AW/W		0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	60b	87a	88b	30c	35d
	Grasp	2LBA/GAL		0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	95a	96a	91ab	91ab	95abc
	Clincher	2.38LBA/GAL		0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	94a	91a	40c	94ab	93abc
	Stam M4	4LBA/GAL		3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST	21d	63b	18d	20d	24f
	Prowl H2O	3.8LBA/GAL		1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	97a	91a	96ab	97a	88c
	Sharpen	2.85LBA/GAL		0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									6.4	9.7	9.0	8.9	6.9
Standard Deviation									4.4	6.8	6.3	6.3	4.8
CV									6.58	9.57	11.03	10.22	7.62
Replicate F									1.616	2.405	1.159	1.349	0.725
Replicate Prob(F)									0.2013	0.0820	0.3376	0.2727	0.5432
Treatment F									247.366	100.836	195.461	134.919	231.972
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	BRAPP 6/5/2012 CONTROL % 36 DAT 0	LEFPA 5/14/2012 CONTROL % 14 DAT 0	LEFPA 5/22/2012 CONTROL % 22 DAT 0	SEBEX 5/14/2012 CONTROL % 14 DAT 0	SEBEX 5/22/2012 CONTROL % 22 DAT 0
									6	7	8	9	10
1	Nontreated								0d	0d	0e	0c	0c
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	0d	21c	28d	88b	60b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0d	30c	33d	94a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	0d	30c	30d	93a	94a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	88c	94a	92a	96a	96a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	98a	95a	61b	96a	96a
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	97ab	96a	93a	96a	97a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	94ab	93a	66b	96a	97a
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	95ab	93a	94a	95a	97a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0d	45b	45c	96a	94a
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	94ab	92a	96a	97a	95a
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	94ab	97a	92a	96a	97a
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0d	21c	60b	95a	95a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93bc	97a	90a	95a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									4.9	10.0	8.2	4.7	3.9
Standard Deviation									3.4	7.0	5.7	3.3	2.7
CV									6.35	10.87	9.15	3.72	3.18
Replicate F									1.031	2.457	0.306	0.367	2.403
Replicate Prob(F)									0.3896	0.0773	0.8209	0.7774	0.0822
Treatment F									803.950	111.681	120.211	241.760	376.533
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									SEBEX	AESIN	AESIN	AESIN	ALRPH
Rating Date									6/5/2012	5/14/2012	5/22/2012	6/5/2012	5/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									36 DAT	14 DAT	22 DAT	36 DAT	14 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0f	0c	0d	0b	0f
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	89de	89b	60c	98a	23e
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	93a-d	94a	96a	98a	23e
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	93a-e	93ab	93ab	0b	25de
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	90cde	96a	96a	98a	45bc
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97ab	96a	94ab	98a	53ab
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	97a	96a	96a	98a	64a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	95abc	96a	97a	98a	50b
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	91b-e	97a	95ab	98a	48b
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	88e	96a	91b	98a	30de
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	93a-d	97a	95ab	97a	24de
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97a	96a	96a	97a	33de
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97ab	95a	93ab	97a	35cd
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90cde	95a	97a	97a	28de
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									5.3	4.2	4.4	1.2	11.9
Standard Deviation									3.7	2.9	3.1	0.8	8.3
CV									4.31	3.32	3.58	0.97	24.31
Replicate F									1.554	0.520	2.108	0.650	2.934
Replicate Prob(F)									0.2160	0.6709	0.1148	0.5877	0.0453
Treatment F									181.345	302.242	295.586	7644.751	15.455
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH	CNPPA	CNPPA	CNPPA	CYPES
Pest Code													
Rating Date									5/22/2012	5/14/2012	5/22/2012	6/5/2012	5/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAT	14 DAT	22 DAT	36 DAT	14 DAT
Number of Decimals									0	0	0	0	0
									16	17	18	19	20
1	Nontreated								0g	0d	0c	0d	0d
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	30ef	58c	63b	95ab	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	35cde	91a	90a	98a	1d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	33def	69b	90a	88c	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	44abc	93a	93a	92bc	61a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	53a	93a	93a	95ab	0d
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	50ab	95a	93a	91bc	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	53a	93a	91a	98a	63a
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	48ab	86a	93a	98a	65a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	41bcd	93a	91a	96ab	43b
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	28ef	91a	89a	93abc	0d
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	23f	94a	91a	98a	10c
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	30ef	93a	89a	96ab	0d
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	31def	91a	93a	98a	0d
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									11.0	9.6	4.8	5.7	6.1
Standard Deviation									7.7	6.7	3.4	4.0	4.3
CV									21.7	8.26	4.08	4.55	24.77
Replicate F									0.832	0.779	3.303	1.162	0.356
Replicate Prob(F)									0.4843	0.5126	0.0301	0.3366	0.7853
Treatment F									13.590	58.902	220.851	162.153	160.313
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
Pest Code									CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date									5/22/2012	6/5/2012	5/14/2012	5/22/2012	6/5/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAT	36 DAT	14 DAT	22 DAT	36 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0e	0d	0g	0f	0d
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	0e	0d	25e	30e	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0e	0d	28de	56cd	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	5e	0d	20ef	33e	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	33c	73b	93a	91ab	90b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0e	0d	55b	63c	0d
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	0e	0d	43c	49d	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	94a	96a	90a	97a	98a
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	94a	97a	95a	97a	98a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	44b	61c	61b	95a	95a
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0e	0d	36cd	35e	1d
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	25d	0d	88a	85ab	80c
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	0e	0d	53b	80b	0d
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	0d	15f	33e	0d
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									6.4	3.7	9.5	13.4	4.2
Standard Deviation									4.5	2.6	6.7	9.4	3.0
CV									21.47	11.08	13.32	15.62	8.94
Replicate F									0.452	1.864	2.180	0.674	0.816
Replicate Prob(F)									0.7172	0.1517	0.1058	0.5730	0.4927
Treatment F									228.294	921.292	90.448	44.365	970.290
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30	31
Pest Code									HETLI	RICE	RICE	RICE	RICE	RICE
Rating Date									5/14/2012	5/14/2012	5/22/2012	6/5/2012	8/6/2012	8/6/2012
Rating Type									CONTROL	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit									%	%	%	%	cm	cm
Trt-Eval Interval									14 DAT	14 DAT	22 DAT	36 DAT	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0	0
1	Nontreated								0d	0c	0a	0d	74ef	75ef
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	94abc	16ab	0a	0d	77def	82def
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	95abc	16ab	0a	0d	77def	73f
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	91c	18ab	3a	0d	72f	75ef
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	96abc	15ab	0a	6ab	105a	105a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	95abc	15ab	0a	4bcd	89cd	89cde
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	92bc	15ab	0a	1cd	95abc	99abc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97a	23a	0a	9a	97abc	100abc
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST						
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	98a	15ab	0a	6ab	103ab	105ab
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	98a	19ab	0a	1cd	93abc	92a-d
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97ab	21a	0a	1cd	91a-d	90cd
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	98a	21a	0a	5abc	91bcd	92a-d
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST						
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	97ab	13b	0a	1cd	87cde	90bcd
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	20ab	0a	1cd	90bcd	90cd
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
LSD (P=.05)									5.1	8.1	1.9	4.3	14.1	14.7
Standard Deviation									3.5	5.7	1.3	3.0	9.9	10.3
CV									3.98	35.18	748.33	116.21	11.18	11.49
Replicate F									1.608	0.603	1.000	0.575	0.388	0.114
Replicate Prob(F)									0.2032	0.6168	0.4031	0.6347	0.7619	0.9512
Treatment F									210.723	3.763	1.000	3.660	4.269	4.162
Treatment Prob(F)									0.0001	0.0006	0.4697	0.0008	0.0002	0.0003

LSU AgCenter SPESS

Sharpen Efficacy and Tankmixes

Trial ID:C12-03 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-03 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 LENGTH ft HARVEST 1	RICE 8/7/2012 WEIGHT g/plot HARVEST 0	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB/A HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								8/7/2012	8/7/2012	8/7/2012	8/7/2012	8/7/2012
	Rating Type								LENGTH	WEIGHT	MOISTURE	YIELD	YIELD
	Rating Unit								ft	g/plot	%	LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								1	0	1	0	0
									32	33	34	35	36
1	Nontreated								13.3a	0e	0.0c	0e	0e
2	Sharpen	2.85	LBA/GAL	0.0167	lb ai/a	0.75	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
4	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	1494bc	20.2a	3297bc	3696bc
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	1014cd	18.8a	2279cd	2554cd
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
7	Broadhead	70%		0.47	lb ai/a	10.7	oz wt/a	EPOST	13.3a	554de	14.3ab	1240de	1389de
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
8	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	2218a	21.1a	4841a	5426a
	Facet L	1.5	LBA/GAL	0.44	lb ai/a	37.5	fl oz/a	EPOST					
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
9	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	1877ab	19.5a	4177ab	4682ab
	Permit	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Grasp	2	LBA/GAL	0.0336	lb ai/a	2.15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
11	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
12	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	742d	9.3b	1671d	1873d
	Stam M4	4	LBA/GAL	3	lb ai/a	96	fl oz/a	EPOST					
13	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST	13.3a	0e	0.0c	0e	0e
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13.3a	432de	9.3b	972de	1090de
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								0.00	622.8	7.04	1389.4	1557.3
	Standard Deviation								0.00	435.8	4.93	972.3	1089.8
	CV								0.0	73.24	61.32	73.67	73.67
	Replicate F								0.000	1.402	0.291	1.387	1.387
	Replicate Prob(F)								1.0000	0.2566	0.8316	0.2610	0.2610
	Treatment F								0.000	12.617	13.430	12.315	12.315
	Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen with Rice Herbicides

Experiment number	**C12-04**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	4/12/12
Harvest date	8/13/12
Crop/Variety	CL161
Emergence date	4/25/12
Uniform std. treatment	N/A

Application type	PRE	1-2LF	4-5LF
Date applied [mm/dd/yy]	4/12/12	04/30/12	05/21/12
Time [hh:mm-hh:mm]	9:00-9:15A	8:45-8:50A	9:24-9:34A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	63/76	76	76/75
Relative humidity [%]	85	92	71
Wind [mph, direction]	6/E	4-6/SE	1-3/NW
Weather [sunny, etc]	sunny	pt. cloudy	sunny
Soil/Leaf surface moist	dry/dry	moist/dry	dry/dry
Crop stage/Height	N/A	1-2lf/1-2"	4-5lf/4-5"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/24	15/22	15/24
Applied by	EPW	EPW	JCF

Weed Species (population)	(height/#leaves)	
SEBEX(4-6m^{-2})	1-2"/cot-2lf	3-4"/3-5lf
BRAPP(80-120m^{-2})	1-2"/1-3lf	
ALRPH(1-2m^{-2})	1-6"/5-20lf	5-7"/12-15lf
AESIN(3-5m^{-2})		2-3"/3-5lf

Flush Dates	4/24, 5/9, 5/16
Permanent Flood	5/23

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	BRAPP	BRAPP	SEBEX
Rating Date									5/14/2012	6/5/2012	5/14/2012	6/5/2012	5/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									6 DAT	15 DAT	6 DAT	15 DAT	6 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0c	0c	0c	0b	0d
2	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	98a	91b	98a	97a	94a
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
3	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	98a	95ab	98a	97a	97a
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	97b	94ab	94b	97a	43bc
	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	97ab	96ab	98a	98a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	95ab	97a	97a	95a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97a	98a	97a	45b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	35c
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	BRAPP	BRAPP	SEBEX
	Rating Date								5/14/2012	6/5/2012	5/14/2012	6/5/2012	5/14/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								6 DAT	15 DAT	6 DAT	15 DAT	6 DAT
	Number of Decimals								0	0	0	0	0
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95ab	98a	98a	40bc
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
	LSD (P=.05)								1.2	5.5	2.4	1.6	7.5
	Standard Deviation								0.8	3.8	1.7	1.1	5.2
	CV								0.96	4.46	1.91	1.28	8.51
	Replicate F								2.909	2.225	0.634	2.373	2.619
	Replicate Prob(F)								0.0552	0.1112	0.6004	0.0954	0.0741
	Treatment F								6162.859	284.062	1546.322	3427.396	193.039
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/5/2012 CONTROL % 15 DAT 0	ALRPH 5/14/2012 CONTROL % 6 DAT 0	ALRPH 6/5/2012 CONTROL % 15 DAT 0	CYPIR 5/14/2012 CONTROL % 6 DAT 0	LEFPA 5/14/2012 CONTROL % 6 DAT 0
									6	7	8	9	10
1	Nontreated								0d	0d	0b	0b	0b
2	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	90c	71abc	93a	98a	98a
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
3	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	91bc	80a	95a	98a	98a
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	95abc	64bc	97a	98a	97a
	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	96ab	73ab	96a	97a	97a
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	68bc	92a	98a	96a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95abc	60c	93a	97a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	60c	95a	97a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	ALRPH	ALRPH	CYPIR	LEFPA
Pest Code									SEBEX	ALRPH	ALRPH	CYPIR	LEFPA
Rating Date									6/5/2012	5/14/2012	6/5/2012	5/14/2012	5/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									15 DAT	6 DAT	15 DAT	6 DAT	6 DAT
Number of Decimals									0	0	0	0	0
									6	7	8	9	10
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	61bc	94a	98a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF					
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF					
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF					
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF					
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF					
LSD (P=.05)									6.5	11.6	5.8	1.1	2.1
Standard Deviation									4.4	7.9	4.0	0.8	1.4
CV									5.26	13.31	4.75	0.86	1.65
Replicate F									1.998	2.366	6.724	4.000	2.408
Replicate Prob(F)									0.1412	0.0961	0.0019	0.0192	0.0920
Treatment F									205.379	34.601	250.083	7545.791	2069.177
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 6/5/2012 CONTROL % 15 DAT 0	ECLAL 6/5/2012 CONTROL % 15 DAT 0	RICE 5/14/2012 INJURY % 6 DAT 0	RICE 6/5/2012 INJURY % 15 DAT 0	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 HEIGHT cm HARVEST 0
									11	12	13	14	15	16
1	Nontreated								0c	0b	0e	0a	93b	94d
2	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	94b	96a	16bc	1a	105a	106a
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
3	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	97ab	97a	23a	1a	103a	104ab
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	96ab	97a	13cd	1a	103a	102b
	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	97a	19ab	0a	102a	99c
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	97a	13cd	0a	103a	105ab
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	10d	0a	106a	104ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	10d	0a	104a	105ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
	Pest Code								AESIN	ECLAL	RICE	RICE	RICE	RICE
	Rating Date								6/5/2012	6/5/2012	5/14/2012	6/5/2012	8/13/2012	8/13/2012
	Rating Type								CONTROL	CONTROL	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	%	cm	cm
	Trt-Eval Interval								15 DAT	15 DAT	6 DAT	15 DAT	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	13cd	0a	106a	106a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
	LSD (P=.05)								4.5	2.5	5.0	2.1	5.3	3.1
	Standard Deviation								3.1	1.7	3.4	1.4	3.6	2.1
	CV								3.57	2.01	26.56	341.57	3.54	2.07
	Replicate F								2.463	2.083	1.769	1.257	0.877	4.809
	Replicate Prob(F)								0.0869	0.1290	0.1800	0.3113	0.4668	0.0092
	Treatment F								442.646	1397.037	13.945	0.771	4.636	13.741
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.6311	0.0016	0.0001

LSU AgCenter SPESS

Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 AVG HT cm HARVEST 0	RICE 8/13/2012 LENGTH ft HARVEST 1	RICE 8/13/2012 WEIGHT g HARVEST 0	RICE 8/13/2012 MOISTURE % HARVEST 1	RICE 8/13/2012 YIELD LB HARVEST 0	RICE 8/13/2012 YIELD KG/HA HARVEST 0
	Pest Code													
	Rating Date								8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012
	Rating Type								AVG HT	LENGTH	WEIGHT	MOISTURE	YIELD	YIELD
	Rating Unit								cm	ft	g	%	LB	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	1	0	1	0	0
									17	18	19	20	21	22
1	Nontreated								94c	13.5a	0b	0.0b	0b	0a
2	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	106a	13.5a	2129a	19.0a	4703a	-2662b
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
3	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF	104ab	13.5a	2177a	19.3a	4789a	-2763b
	Clearpath	75%		0.375	lb ai/a	0.5	lb/a	1-2 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	103ab	13.5a	2513a	19.1a	5546a	-3165b
	Prowl H2O	3.8	LBA/GAL	0.95	lb ai/a	2	pt/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	100b	13.5a	2390a	19.3a	5253a	-3044b
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	104a	13.5a	2343a	19.0a	5173a	-2943b
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	13.5a	1962a	19.3a	4316a	-2481b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104a	13.5a	2041a	18.9a	4511a	-2545b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						

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Sharpen with Rice Herbicides

Trial ID:C12-04 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-04 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20	21	22
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012
	Rating Type								AVG HT	LENGTH	WEIGHT	MOISTURE	YIELD	YIELD
	Rating Unit								cm	ft	g	%	LB	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	1	0	1	0	0
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	13.5a	2048a	19.1a	4518a	-2570b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	1-2 LF						
	Beyond	1	LBA/GAL	0.0313	lb ai/a	4	fl oz/a	4-5 LF						
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	4-5 LF						
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	4-5 LF						
	Agri-Dex	100%		1	qt/a	1	qt/a	4-5 LF						
	LSD (P=.05)								3.6	0.00	583.0	0.87	1279.3	770.5
	Standard Deviation								2.5	0.00	399.5	0.60	876.5	527.9
	CV								2.43	0.0	20.43	3.51	20.33	0.0
	Replicate F								2.408	0.000	2.034	0.841	2.120	1.745
	Replicate Prob(F)								0.0920	1.0000	0.1359	0.4850	0.1241	0.1846
	Treatment F								9.410	0.000	14.314	456.563	14.452	13.052
	Treatment Prob(F)								0.0001	1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Newpath and RiceBreaux Synergism

Experiment number..... : **C12-06**
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 ..... : 4/23/12
Harvest date..... : 8/13/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/14/12
Time [hh:mm-hh:mm]..... : 8:24-8:35A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 69-71
Relative humidity [%] ..... : 88
Wind [mph, direction] ..... : 6/NNE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/wet
Crop stage/Height ..... : 2-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :----------(height/#leaves)---------
ORYSA(75-150m^{-2})..... : 2-4"/2-3lf
ECHCG(50-75m^{-2})……..:. : 2-4"/2-3lf
SEBEX(3-7m^{-2}) ..... : 1-3"/3-5lf

Flush Dates..... : 4/26, 5/2, 5/15
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Newpath and RiceBeaux Synergism Study

Trial ID:C12-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	ORYSA	ECHCG
Rating Date									5/31/2012	6/6/2012	6/18/2012	7/3/2012	5/31/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									16 DAT	23 DAT	36 DAT	51 DAT	16 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0f	0f	0d	0c	0h
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0f	0f	0d	0c	0h
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0f	0f	0d	0c	56d
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0f	0f	0d	0c	6g
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0f	0f	0d	0c	20f
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0f	0f	0d	0c	6g
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0f	0f	0d	0c	23f
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	68e	73e	70c	69b	38e
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	89b	91b	76b	83a	71b
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	94a	95a	90a	85a	88a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	71d	76cd	78b	66b	59cd
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	78c	79c	79b	68b	76b
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	71d	75de	74bc	65b	63c
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	76c	75de	74bc	66b	64c
LSD (P=.05)									2.7	3.4	5.2	4.4	5.7
Standard Deviation									1.9	2.4	3.6	3.1	4.0
CV									4.9	5.89	9.38	8.68	9.75
Replicate F									0.122	0.715	1.000	1.033	3.594
Replicate Prob(F)									0.9464	0.5491	0.4031	0.3885	0.0219
Treatment F									1843.834	1268.585	495.105	585.769	243.468
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Newpath and RiceBeaux Synergism Study

Trial ID:C12-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date									6/6/2012	6/18/2012	7/3/2012	5/31/2012	6/6/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									23 DAT	36 DAT	51 DAT	16 DAT	23 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0h	0h	0f	0e	0d
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	33fg	4gh	40e	94bc	96ab
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	64cd	26cde	63c	98a	98a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	59de	26cde	38e	91c	93b
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	53e	21de	48de	95abc	97a
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	25g	14efg	38e	0e	0d
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	36f	8fgh	40e	0e	0d
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	63cde	25de	59cd	41d	0d
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	90a	70b	79b	98a	98a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	95a	94a	94a	97ab	97a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	64cd	39c	58cd	97ab	85c
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	75b	28cd	78b	98a	98a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	71bc	18def	48de	0e	0d
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	68bcd	14efg	53cd	0e	0d
LSD (P=.05)									10.9	13.7	12.2	3.8	3.2
Standard Deviation									7.7	9.6	8.5	2.6	2.3
CV									13.52	34.94	16.34	4.57	4.16
Replicate F									0.510	0.813	2.131	2.371	1.080
Replicate Prob(F)									0.6775	0.4947	0.1119	0.0852	0.3689
Treatment F									45.017	28.563	28.504	1267.993	1873.858
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and RiceBeaux Synergism Study

Trial ID:C12-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
Pest Code									SEBEX	SEBEX	RICE	RICE	RICE	RICE
Rating Date									6/18/2012	7/3/2012	5/31/2012	6/6/2012	6/18/2012	7/3/2012
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									36 DAT	51 DAT	16 DAT	23 DAT	36 DAT	51 DAT
Number of Decimals									0	0	0	0	0	0
1	No Newpath No Mixture								0d	0c	0a	0a	0a	0a
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	96a	98a	0a	0a	0a	0a
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	98a	98a	0a	0a	0a	0a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	98a	98a	0a	0a	0a	0a
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	98a	98a	0a	0a	0a	0a
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0d	0c	0a	0a	0a	0a
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	31c	0c	0a	0a	0a	0a
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0d	0c	0a	0a	0a	0a
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	93ab	98a	0a	0a	0a	0a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	87b	93b	0a	0a	0a	0a
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	0d	0c	0a	0a	0a	0a
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	31c	0c	0a	0a	0a	0a
LSD (P=.05)									8.1	3.4	0.0	0.0	0.0	0.0
Standard Deviation									5.7	2.4	0.0	0.0	0.0	0.0
CV									9.58	4.25	0.0	0.0	0.0	0.0
Replicate F									0.590	1.000	0.000	0.000	0.000	0.000
Replicate Prob(F)									0.6252	0.4031	1.0000	1.0000	1.0000	1.0000
Treatment F									252.381	1791.887	0.000	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000	1.0000

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Newpath and RiceBeaux Synergism Study

Trial ID:C12-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 WEIGHT g/plot HARVEST 0	RICE 8/13/2012 MOISTURE % HARVEST 1	RICE 8/13/2012 YIELD LB/A HARVEST 0	RICE 8/13/2012 YIELD KG/HA HARVEST 0	RICE 8/13/2012 HEIGHT cm HARVEST 0
	Pest Code												
	Rating Date								8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012
	Rating Type								WEIGHT	MOISTURE	YIELD	YIELD	HEIGHT
	Rating Unit								g/plot	%	LB/A	KG/HA	cm
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	1	0	0	0
									17	18	19	20	21
1	No Newpath No Mixture								21d	19.3a	45d	50d	84bc
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	231cd	19.3a	489cd	548cd	83bc
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	469abc	19.0a	999abc	1120abc	88ab
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	385abc	19.2a	817abc	916abc	76bc
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	183cd	19.1a	389cd	436cd	74bc
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0d	19.0a	0d	0d	70c
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	287bcd	19.1a	609bcd	682bcd	76bc
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	231cd	19.4a	490cd	549cd	71c
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	600ab	19.2a	1275ab	1429ab	87ab
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	716a	19.2a	1520a	1704a	101a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	260cd	19.2a	552cd	619cd	82bc
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	486abc	19.2a	1032abc	1157abc	84bc
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	234cd	19.2a	496cd	556cd	74bc
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	267bcd	19.2a	567bcd	636bcd	81bc
	LSD (P=.05)								338.2	0.30	718.8	805.6	15.5
	Standard Deviation								236.7	0.21	503.0	563.7	10.9
	CV								75.86	1.11	75.88	75.88	13.49
	Replicate F								0.721	1.008	0.721	0.721	0.115
	Replicate Prob(F)								0.5456	0.3993	0.5458	0.5458	0.9506
	Treatment F								2.908	1.000	2.908	2.908	2.271
	Treatment Prob(F)								0.0050	0.4697	0.0050	0.0050	0.0248

LSU AgCenter SPESS

Newpath and RiceBeaux Synergism Study

Trial ID:C12-06 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 HEIGHT cm HARVEST 0 22	RICE 8/13/2012 AVG HT cm HARVEST 0 23
1	No Newpath No Mixture								80a	82a
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	79a	81a
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	88a	88a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	77a	76a
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	68a	71a
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	69a	69a
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	71a	74a
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	71a	71a
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	311a	199a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	103a	102a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	83a	82a
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	89a	86a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	69a	71a
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	77a	79a
LSD (P=.05)									176.6	90.5
Standard Deviation									123.6	63.3
CV									129.85	72.02
Replicate F									1.084	1.062
Replicate Prob(F)									0.3677	0.3766
Treatment F									1.035	1.096
Treatment Prob(F)									0.4407	0.3914

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Beyond and RiceBreaux Synergism

Experiment number	:	**C12-07**
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	:	4/23/12
Harvest date	:	8/13/12
Crop/Variety	:	CL161
Emergence date	:	5/4/12
Uniform std. treatment	:	N/A
Application type	:	EPOST
Date applied [mm/dd/yy]	:	05/14/12
Time [hh:mm-hh:mm]	:	8:56-9:10A
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	69/71
Relative humidity [%]	:	88
Wind [mph, direction]	:	6/NNE
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	wet/wet
Crop stage/Height	:	2-3lf/2-3"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15
GPA/PSI	:	15/24
Applied by	:	JCF
Weed Species (population)	:	----------(height/#leaves)----------
ORYSA(75-150m^{-2})	:	2-4"/2-3lf
ECHCG(50-75m^{-2})……..:	:	2-4"/2-3lf
AESIN(3-7m^{-2})	:	1-3"/3-5lf
SEBEX(3-7m^{-2})	:	1-3"/3-5lf
Flush Dates	:	4/26, 5/2, 5/15
Permanent Flood	:	5/30

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Beyond and RiceBeaux Synergism Study

Trial ID:C12-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									ORYSA	ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date									5/31/2012	6/6/2012	6/18/2012	7/3/2012	5/31/2012	6/6/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									16 DAT	23 DAT	35 DAT	52 DAT	16 DAT	23 DAT
Number of Decimals									0	0	0	0	0	0
1	No Beyond No Mixture								0f	0e	0d	0e	0i	0h
2	No Beyond RiceBeaux	3LB/GAL		0.75	lb ai/a	2	pt/a	EPOST	0f	0e	0d	0e	34gh	73cd
3	No Beyond RiceBeaux	3LB/GAL		1.5	lb ai/a	4	pt/a	EPOST	0f	0e	0d	0e	65cd	64e
4	No Beyond Propanil	4LBA/GAL		0.75	lb ai/a	1.5	pt/a	EPOST	0f	0e	0d	0e	28h	41f
5	No Beyond Propanil	4LBA/GAL		1.5	lb ai/a	3	pt/a	EPOST	0f	0e	0d	0e	43fg	64e
6	No Beyond Bolero	8LBA/GAL		0.75	lb ai/a	0.75	pt/a	EPOST	0f	0e	0d	0e	30gh	28g
7	No Beyond Bolero	8LBA/GAL		1.5	lb ai/a	1.5	pt/a	EPOST	0f	0e	0d	0e	36gh	35fg
8	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	72e	79cd	73c	60d	66bcd	60e
9	Beyond RiceBeaux	1LBA/GAL 3LB/GAL		0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	90b	90b	83b	83b	77bc	90a
10	Beyond RiceBeaux	1LBA/GAL 3LB/GAL		0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	96a	97a	97a	94a	92a	96a
11	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	80c	78cd	76bc	68cd	73bc	81b
12	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	79c	80c	75c	69c	79ab	79bc
13	Beyond Bolero	1LBA/GAL 8LBA/GAL		0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	74de	76d	73c	65cd	50ef	74bcd
14	Beyond Bolero	1LBA/GAL 8LBA/GAL		0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	78cd	76d	70c	60d	59de	66de
LSD (P=.05)									4.2	3.1	6.3	8.2	13.6	8.7
Standard Deviation									2.9	2.2	4.4	5.7	9.5	6.1
CV									7.24	5.24	11.25	16.13	18.21	10.0
Replicate F									0.405	0.128	1.715	0.509	2.017	0.838
Replicate Prob(F)									0.7505	0.9429	0.1797	0.6785	0.1274	0.4812
Treatment F									838.444	1591.338	348.511	174.526	28.106	75.491
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Beyond and RiceBeaux Synergism Study

Trial ID:C12-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
Pest Code									ECHCG	ECHCG	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date									6/18/2012	7/3/2012	5/31/2012	6/6/2012	6/18/2012	7/3/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									35 DAT	52 DAT	16 DAT	23 DAT	35 DAT	52 DAT
Number of Decimals									0	0	0	0	0	0
1	No Beyond No Mixture								0h	0f	0d	0c	0c	0c
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	48efg	45cde	96a	97a	97a	97a
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	49d-g	61b	98a	98a	97a	98a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	28fg	55bc	95a	97a	97a	96a
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	50def	44cde	98a	98a	97a	98a
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	26fg	35de	0d	0c	18bc	0c
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	25g	33e	0d	0c	23b	0c
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	43efg	55bc	31b	0c	20bc	0c
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	88ab	84a	98a	97a	97a	95a
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	98a	95a	98a	98a	98a	98a
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	73bcd	45cde	96a	93b	96a	90b
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	76abc	44cde	97a	97a	98a	98a
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	39efg	53bc	25bc	0c	0c	0c
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	59cde	48cd	20c	0c	0c	0c
LSD (P=.05)									24.5	13.1	7.0	1.9	21.2	3.7
Standard Deviation									17.1	9.2	4.9	1.3	14.9	2.6
CV									34.27	18.49	8.08	2.43	24.83	4.66
Replicate F									1.013	2.151	3.008	0.958	0.550	0.203
Replicate Prob(F)									0.3973	0.1093	0.0417	0.4224	0.6512	0.8939
Treatment F									9.837	23.712	322.858	5464.720	37.229	1488.766
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Beyond and RiceBeaux Synergism Study

Trial ID:C12-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
Pest Code									RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									5/31/2012	6/6/2012	6/18/2012	7/3/2012	8/13/2012	8/13/2012
Rating Type									INJURY	INJURY	INJURY	INJURY	WEIGHT	MOISTURE
Rating Unit									%	%	%	%	g/plot	%
Trt-Eval Interval									16 DAT	23 DAT	35 DAT	52 DAT	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0	1
1	No Beyond No Mixture								0a	0a	0a	0a	53cd	18.1a
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0a	0a	0a	0a	349cd	18.1a
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0a	0a	0a	0a	285cd	18.1a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	324cd	18.1a
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0a	0a	0a	0a	457bcd	18.1a
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0a	0a	0a	0a	221cd	18.1a
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	93cd	18.1a
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	0a	0a	0a	0a	0d	18.1a
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	594abc	18.1a
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	1020ab	18.1a
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	584abc	18.1a
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	1054a	18.1a
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	316cd	18.1a
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	72cd	18.1a
LSD (P=.05)									0.0	0.0	0.0	0.0	567.9	0.00
Standard Deviation									0.0	0.0	0.0	0.0	397.4	0.00
CV									0.0	0.0	0.0	0.0	102.63	0.0
Replicate F									0.000	0.000	0.000	0.000	0.851	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	0.4751	1.0000
Treatment F									0.000	0.000	0.000	0.000	2.782	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0073	1.0000

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Beyond and RiceBeaux Synergism Study

Trial ID:C12-07 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 YIELD LB HARVEST 0	RICE 8/13/2012 YIELD KG/HA HARVEST 0	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 AVG HT cm HARVEST 0
									19	20	21	22	23
1	No Beyond No Mixture								111cd	124cd	72de	78cd	75ef
2	No Beyond RiceBeaux	3	LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	736cd	825cd	76cde	78cd	77def
3	No Beyond RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	601cd	674cd	87bc	80cd	84bcd
4	No Beyond Propanil	4	LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	682cd	764cd	79b-e	96ab	87bc
5	No Beyond Propanil	4	LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	964bcd	1080bcd	83bcd	77cd	80c-f
6	No Beyond Bolero	8	LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	466cd	522cd	67e	77cd	72f
7	No Beyond Bolero	8	LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	197cd	220cd	68e	76cd	72f
8	Beyond No Mixture	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	0d	0d	76cde	77cd	76def
9	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	1251abc	1402abc	85bc	73d	79c-f
10	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	2149ab	2409ab	102a	79cd	91ab
11	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	1230abc	1378abc	80bcd	86bc	83b-e
12	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	2222a	2490a	89b	103a	96a
13	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	666cd	746cd	82bcd	82cd	82cde
14	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	151cd	169cd	76cde	84bcd	80c-f
LSD (P=.05)									1196.8	1341.4	11.6	12.4	8.5
Standard Deviation									837.4	938.6	8.1	8.6	5.9
CV									102.63	102.63	10.14	10.56	7.32
Replicate F									0.851	0.851	0.446	0.631	0.371
Replicate Prob(F)									0.4751	0.4751	0.7218	0.5991	0.7741
Treatment F									2.782	2.782	5.095	3.660	5.392
Treatment Prob(F)									0.0073	0.0073	0.0001	0.0008	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Newpath and Propanil Synergism

Experiment number..... : **C12-08**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1
Planting date ..... : 4/23/12
Harvest date..... : 8/14/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/14/12
Time [hh:mm-hh:mm]..... : 9:37-9:52A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 77/71
Relative humidity [%] ..... : 52
Wind [mph, direction] ..... : 6/NNE
Weather [sunny, etc]..... : sunny
Soil/Leaf surface moist ..... : wet/wet
Crop stage/Height ..... : 2-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :----- (height/#leaves)-----
ORYSA(75-125m^{-2})..... : 2-3"/2-3lf
ECHCG(50-75m^{-2}) ..... : 2-3"/2-3lf
SEBEX(3-7m^{-2}) ..... : 1-3"/3-5lf

Flush Dates..... : 4/26, 5/2, 5/15
Permanent Flood ..... : 5/30
*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Newpath and Propanil Synergism Study

Trial ID:C12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	ORYSA	ECHCG
Rating Date									5/30/2012	6/6/2012	6/18/2012	7/3/2012	5/30/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									16 DAT	23 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0f	0d	0e	0d	0f
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	0f	0d	0e	0d	6f
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	0f	0d	0e	0d	26e
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	0f	0d	0e	0d	60d
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	0f	0d	0e	0d	76b
6	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a		4fl oz/a	EPOST	71e	82c	66d	76c	65cd
7	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	76d	82c	75c	78c	68cd
8	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	81c	86b	76c	80bc	71bc
9	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	88b	85bc	84b	84b	78b
10	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	94a	93a	92a	94a	89a
LSD (P=.05)									3.8	3.2	5.2	5.5	7.6
Standard Deviation									2.6	2.2	3.6	3.8	5.2
CV									6.33	5.22	9.07	9.23	9.66
Replicate F									2.789	3.771	2.899	0.968	2.605
Replicate Prob(F)									0.0597	0.0221	0.0533	0.4222	0.0723
Treatment F									1128.507	1636.588	553.299	527.331	145.232
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and Propanil Synergism Study

Trial ID:C12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECHCG 6/6/2012 CONTROL % 23 DAT 0	ECHCG 6/18/2012 CONTROL % 35 DAT 0	ECHCG 7/3/2012 CONTROL % 50 DAT 0	SEBEX 5/30/2012 CONTROL % 16 DAT 0	SEBEX 6/6/2012 CONTROL % 23 DAT 0
									6	7	8	9	10
1	No Newpath No Mixture								0e	0f	0g	0d	0c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	63d	20ef	34f	31c	98a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	65d	36de	46e	51b	98a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	80b	71ab	50e	81a	98a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	83b	79ab	70bc	83a	98a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	81b	71ab	63cd	83a	94b
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	73c	46cd	48e	80a	98a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	83b	60bc	55de	80a	98a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	83b	78ab	76ab	86a	98a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	93a	92a	86a	91a	98a
LSD (P=.05)									6.6	21.0	10.9	13.9	4.1
Standard Deviation									4.6	14.5	7.5	9.5	2.8
CV									6.48	26.18	14.31	14.33	3.24
Replicate F									4.922	0.847	4.024	1.213	1.000
Replicate Prob(F)									0.0074	0.4803	0.0173	0.3239	0.4079
Treatment F									133.506	16.196	41.312	38.965	470.432
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and Propanil Synergism Study

Trial ID:C12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
Pest Code									SEBEX	SEBEX	RICE	RICE	RICE	RICE
Rating Date									6/18/2012	7/3/2012	5/30/2012	6/6/2012	6/18/2012	7/3/2012
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									35 DAT	50 DAT	16 DAT	23 DAT	35 DAT	50 DAT
Number of Decimals									0	0	0	0	0	0
1	No Newpath No Mixture								0c	0c	0a	0a	0a	0a
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	98a	98a	0a	0a	0a	0a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	98a	98a	0a	0a	0a	0a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	98a	98a	0a	0a	0a	0a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	98a	98a	0a	0a	0a	0a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	94b	48b	0a	0a	0a	0a
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
LSD (P=.05)									4.1	1.3	0.0	0.0	0.0	0.0
Standard Deviation									2.8	0.9	0.0	0.0	0.0	0.0
CV									3.24	1.1	0.0	0.0	0.0	0.0
Replicate F									1.000	1.000	0.000	0.000	0.000	0.000
Replicate Prob(F)									0.4079	0.4079	1.0000	1.0000	1.0000	1.0000
Treatment F									470.432	5306.147	0.000	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000	1.0000

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Newpath and Propanil Synergism Study

Trial ID:C12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 7/3/2012 CONTROL % 50 DAT 0	RICE 8/14/2012 HEIGHT cm HARVEST 0	RICE 8/14/2012 HEIGHT cm HARVEST 0	RICE 8/14/2012 AVG HT cm HARVEST 0	RICE 8/14/2012 WEIGHT g/plot HARVEST 0
									17	18	19	20	21
1	No Newpath No Mixture								0c	66e	66f	66f	245c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	98a	76de	74ef	75ef	320c
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	98a	86bcd	85cde	86cde	996bc
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	98a	89bc	89bcd	89bcd	1591ab
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	98a	97ab	99ab	98ab	1332b
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	48b	89bc	90bcd	89bcd	1254b
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 1lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	98a	81cd	80de	81de	822bc
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 2lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	98a	81cd	83cde	82de	1311b
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 3lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	98a	97ab	95abc	96abc	1337b
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 4lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	98a	103a	102a	102a	2119a
LSD (P=.05)									1.3	11.7	12.2	11.5	774.0
Standard Deviation									0.9	8.1	8.4	7.9	533.5
CV									1.1	9.35	9.75	9.16	47.1
Replicate F									1.000	1.812	1.660	1.736	0.183
Replicate Prob(F)									0.4079	0.1688	0.1992	0.1833	0.9073
Treatment F									5306.147	7.252	6.947	7.683	4.487
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0011

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Newpath and Propanil Synergism Study

Trial ID:C12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE
Rating Date								8/14/2012	8/14/2012	8/14/2012
Rating Type								MOISTURE	YIELD	YIELD
Rating Unit								%	LB	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST
Number of Decimals								1	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	23	24
1	No Newpath No Mixture								21.0a	505c	566c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	21.0a	660c	739c
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	21.0a	2051bc	2299bc
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	21.0a	3278ab	3674ab
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	21.0a	2743b	3074b
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	21.0a	2582b	2894b
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	21.0a	1693bc	1897bc
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	21.0a	2700b	3027b
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	21.0a	2754b	3087b
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	21.0a	4365a	4892a
LSD (P=.05)									0.00	1594.6	1787.3
Standard Deviation									0.00	1099.0	1231.8
CV									0.0	47.1	47.1
Replicate F									0.000	0.183	0.183
Replicate Prob(F)									1.0000	0.9073	0.9073
Treatment F									0.000	4.487	4.487
Treatment Prob(F)									1.0000	0.0011	0.0011

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Beyond and Propanil Synergism

Experiment number..... : **C12-09**
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 ..... : 4/23/12
Harvest date..... : 8/14/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/14/12
Time [hh:mm-hh:mm]..... : 9:56-10:13A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 77/71
Relative humidity [%] ..... : 59
Wind [mph, direction] ..... : 6/N
Weather [sunny, etc]..... : sunny
Soil/Leaf surface moist ..... : wet/wet
Crop stage/Height..... : 2-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) -
ORYSA(75-125m^{-2})..... : 2-3"/2-3lf
ECHCG(50-75m^{-2}) ..... : 2-3"/2-3lf
SEBEX(3-7m^{-2}) ..... : 1-3"/3-5lf

Flush Dates..... : 4/26, 5/2, 5/15
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Beyond and Propanil Synergism Study

Trial ID:C12-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-09 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	ORYSA	ECHCG
Rating Date									6/6/2012	6/6/2012	6/18/2012	7/3/2012	6/6/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									23 DAT	35 DAT	35 DAT	50 DAT	23 DAT
Number of Decimals									0	0	0	0	0
1	No Beyond No Mixture								0c	0d	0e	0e	0f
2	No Beyond Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST	0c	0d	0e	0e	5f
3	No Beyond Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST	0c	0d	0e	0e	20e
4	No Beyond Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST	0c	0d	0e	0e	59c
5	No Beyond Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST	0c	0d	0e	0e	76ab
6	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	71b	74c	61d	68d	45d
7	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	73b	80b	73c	78c	64c
8	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	75b	82b	76c	85b	66bc
9	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	88a	84b	88b	85b	81a
10	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	86a	90a	95a	94a	81a
LSD (P=.05)									5.2	4.0	4.4	6.7	10.1
Standard Deviation									3.6	2.7	3.0	4.6	6.9
CV									9.11	6.7	7.67	11.26	13.95
Replicate F									1.109	1.091	3.398	3.885	1.471
Replicate Prob(F)									0.3628	0.3697	0.0320	0.0198	0.2446
Treatment F									544.261	997.468	788.449	358.692	79.581
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Beyond and Propanil Synergism Study

Trial ID:C12-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-09 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date									6/6/2012	6/18/2012	7/3/2012	6/6/2012	6/6/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									35 DAT	35 DAT	50 DAT	35 DAT	35 DAT
Number of Decimals									0	0	0	0	0
1	No Beyond No Mixture								0d	0f	0f	0c	0c
2	No Beyond Propanil		4LBA/GAL	1	lb ai/a	1	qt/a	EPOST	64c	23e	45e	98a	98a
3	No Beyond Propanil		4LBA/GAL	2	lb ai/a	2	qt/a	EPOST	76b	45d	48de	98a	98a
4	No Beyond Propanil		4LBA/GAL	3	lb ai/a	3	qt/a	EPOST	78b	53cd	59cd	98a	98a
5	No Beyond Propanil		4LBA/GAL	4	lb ai/a	4	qt/a	EPOST	81b	58c	68bc	98a	98a
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	64c	61bc	55de	4b	4b
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	76b	64bc	55de	98a	98a
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	76b	71b	73b	98a	98a
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	80b	84a	75b	98a	98a
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	91a	89a	89a	98a	98a
LSD (P=.05)									8.1	11.5	12.1	3.4	3.4
Standard Deviation									5.6	7.9	8.3	2.4	2.4
CV									8.18	14.51	14.76	3.01	3.01
Replicate F									2.352	1.707	4.961	1.000	1.000
Replicate Prob(F)									0.0945	0.1891	0.0072	0.4079	0.4079
Treatment F									81.982	46.233	33.072	1168.676	1168.676
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Beyond and Propanil Synergism Study

Trial ID:C12-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-09 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
Pest Code									SEBEX	SEBEX	RICE	RICE	RICE	RICE
Rating Date									6/18/2012	7/3/2012	6/6/2012	6/6/2012	6/18/2012	7/3/2012
Rating Type									CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									35 DAT	50 DAT	23 DAT	35 DAT	35 DAT	50 DAT
Number of Decimals									0	0	0	0	0	0
1	No Beyond No Mixture								0b	0b	0a	0a	0a	0a
2	No Beyond Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	98a	95a	0a	0a	0a	0a
3	No Beyond Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	98a	98a	0a	0a	0a	0a
4	No Beyond Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	98a	98a	0a	0a	0a	0a
5	No Beyond Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	98a	98a	0a	0a	0a	0a
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a		5fl oz/a	EPOST	0b	0b	0a	0a	0a	0a
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039	lb ai/a lb ai/a		5fl oz/a 1qt/a	EPOST EPOST	98a	95a	0a	0a	0a	0a
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039	lb ai/a lb ai/a		5fl oz/a 2qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039	lb ai/a lb ai/a		5fl oz/a 3qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039	lb ai/a lb ai/a		5fl oz/a 4qt/a	EPOST EPOST	98a	98a	0a	0a	0a	0a
LSD (P=.05)									0.0	4.0	0.0	0.0	0.0	0.0
Standard Deviation									0.0	2.7	0.0	0.0	0.0	0.0
CV									0.0	3.52	0.0	0.0	0.0	0.0
Replicate F									0.000	2.250	0.000	0.000	0.000	0.000
Replicate Prob(F)									1.0000	0.1053	1.0000	1.0000	1.0000	1.0000
Treatment F									0.000	895.178	0.000	0.000	0.000	0.000
Treatment Prob(F)									1.0000	0.0001	1.0000	1.0000	1.0000	1.0000

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Beyond and Propanil Synergism Study

Trial ID:C12-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-09 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/14/2012 HEIGHT cm HARVEST 0	RICE 8/14/2012 HEIGHT cm HARVEST 0	RICE 8/14/2012 AVG HT cm HARVEST 0	RICE 8/14/2012 WEIGHT g/plot HARVEST 0	RICE 8/14/2012 MOISTURE % HARVEST 1	RICE 8/14/2012 LENGTH ft HARVEST 1
	Pest Code													
	Rating Date													
	Rating Type													
	Rating Unit													
	Trt-Eval Interval													
	Number of Decimals													
									17	18	19	20	21	22
1	No Beyond No Mixture								68f	71d	70e	0e	21.2a	10.7a
2	No Beyond Propanil	4LBA/GAL		1lb ai/a		1qt/a		EPOST	75def	74d	74e	72e	21.2a	14.3a
3	No Beyond Propanil	4LBA/GAL		2lb ai/a		2qt/a		EPOST	80cde	78cd	79de	1280bcd	21.2a	14.3a
4	No Beyond Propanil	4LBA/GAL		3lb ai/a		3qt/a		EPOST	84bcd	84bc	84cd	986cd	21.2a	14.3a
5	No Beyond Propanil	4LBA/GAL		4lb ai/a		4qt/a		EPOST	91ab	90ab	90abc	1506abc	21.2a	14.3a
6	Beyond No Mixture	1LBA/GAL		0.039lb ai/a		5fl oz/a		EPOST	72ef	74d	73e	195e	21.2a	14.3a
7	Beyond	1LBA/GAL		0.039lb ai/a		5fl oz/a		EPOST	88bc	85bc	86bcd	750d	21.2a	14.3a
	Propanil	4LBA/GAL		1lb ai/a		1qt/a		EPOST						
8	Beyond	1LBA/GAL		0.039lb ai/a		5fl oz/a		EPOST	84bcd	84bc	84cd	1171bcd	21.2a	14.3a
	Propanil	4LBA/GAL		2lb ai/a		2qt/a		EPOST						
9	Beyond	1LBA/GAL		0.039lb ai/a		5fl oz/a		EPOST	93ab	95a	94ab	1619ab	21.2a	14.3a
	Propanil	4LBA/GAL		3lb ai/a		3qt/a		EPOST						
10	Beyond	1LBA/GAL		0.039lb ai/a		5fl oz/a		EPOST	100a	99a	99a	1978a	21.2a	14.3a
	Propanil	4LBA/GAL		4lb ai/a		4qt/a		EPOST						
	LSD (P=.05)								10.1	9.0	9.1	543.4	0.00	3.28
	Standard Deviation								7.0	6.2	6.3	374.5	0.00	2.26
	CV								8.35	7.44	7.52	39.19	0.0	16.22
	Replicate F								0.464	3.458	1.638	0.490	0.000	1.000
	Replicate Prob(F)								0.7100	0.0302	0.2040	0.6924	1.0000	0.4079
	Treatment F								7.991	8.951	9.229	13.485	0.000	1.000
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	1.0000	0.4635

LSU AgCenter SPESS

Beyond and Propanil Synergism Study

Trial ID:C12-09 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-09 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/14/2012 YIELD LB/A HARVEST 0	RICE 8/14/2012 YIELD KG/HA HARVEST 0
	Pest Code									
	Rating Date								8/14/2012	8/14/2012
	Rating Type								YIELD	YIELD
	Rating Unit								LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	No Beyond No Mixture								0e	0e
2	No Beyond Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	146e	164e
3	No Beyond Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	2596bcd	2909bcd
4	No Beyond Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	1999cd	2240cd
5	No Beyond Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	3054abc	3423abc
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a		5fl oz/a	EPOST	395e	443e
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1	lb ai/a lb ai/a		5fl oz/a 1qt/a	EPOST EPOST	1520d	1703d
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 2	lb ai/a lb ai/a		5fl oz/a 2qt/a	EPOST EPOST	2375bcd	2662bcd
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 3	lb ai/a lb ai/a		5fl oz/a 3qt/a	EPOST EPOST	3282ab	3679ab
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 4	lb ai/a lb ai/a		5fl oz/a 4qt/a	EPOST EPOST	4011a	4495a
	LSD (P=.05)								1101.9	1235.0
	Standard Deviation								759.4	851.2
	CV								39.19	39.19
	Replicate F								0.490	0.490
	Replicate Prob(F)								0.6924	0.6924
	Treatment F								13.485	13.485
	Treatment Prob(F)								0.0001	0.0001

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Sharpen Variety Trial

Experiment number	:	**C12-15**
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	:	5/1/12
Harvest date	:	8/1/12
Crop/Variety	:	Varieties
Emergence date	:	5/13/12
Uniform std. treatment	:	N/A
Application type	:	MPOST
Date applied [mm/dd/yy]	:	05/15/12
Time [hh:mm-hh:mm]	:	12:30-12:40A
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	84/
Relative humidity [%]	:	36
Wind [mph, direction]	:	5-7/NE
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	dry/dry
Crop stage/Height	:	4lf-1tiller/3-6"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15
GPA/PSI	:	15/24
Applied by	:	EPW
Flush Dates	:	5/2/12, 5/16/12
Permanent Flood	:	5/25/12

*AMFF – Air mix flat fan nozzles

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Sharpen Variety Trial

Trial ID:C12-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-15 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									5/24/2012	7/5/2012	5/24/2012	5/24/2012	5/24/2012	5/24/2012
Rating Type									INJURY	INJURY	HEIGHT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									%	%	cm	cm	cm	cm
Trt-Eval Interval									9 DAT	51 DAT	9 DAT	9 DAT	9 DAT	9 DAT
Number of Decimals									0	0	0	0	0	0
1	Cheniere								5abc	0a	36f	38cd	41a-e	39de
	No Herbicide													
2	Cheniere								4a-d	0a	37f	36d	36e	38e
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
3	Cheniere								7a	0a	39def	39cd	38cde	38e
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
4	CL 151								3bcd	0a	38ef	36d	37de	35e
	No Herbicide													
5	CL 151								4a-d	0a	39def	41bcd	39b-e	39de
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
6	CL 151								6ab	0a	40def	41bc	39b-e	39de
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
7	Caffey								0d	0a	48ab	47a	47a	49a
	No Herbicide													
8	Caffey								0d	0a	48a	47a	46a	47ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
9	Caffey								3bcd	0a	47abc	46a	47a	46ab
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
10	CL 261								0d	0a	43bcd	43abc	42a-d	43bcd
	No Herbicide													
11	CL 261								0d	0a	42de	44ab	45ab	43bcd
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
12	CL 261								1cd	0a	43bcd	46ab	45ab	44abc
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
13	CLXL 745								0d	0a	43cd	42abc	43abc	43bcd
	No Herbicide													
14	CLXL 745								3bcd	0a	42de	42abc	42a-e	43bcd
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
15	CLXL 745								4a-d	0a	40def	42abc	39b-e	40cde
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
LSD (P=.05)									4.4	0.0	4.6	4.8	6.2	4.8
Standard Deviation									3.1	0.0	3.2	3.4	4.4	3.4
CV									119.97	0.0	7.67	7.98	10.47	8.11
Replicate F									3.550	0.000	8.712	5.794	2.452	3.641
Replicate Prob(F)									0.0225	1.0000	0.0001	0.0021	0.0770	0.0204
Treatment F									2.417	0.000	5.299	4.448	2.848	5.373

Treatment Prob(F)	0.0142	1.0000	0.0001	0.0001	0.0046	0.0001

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Sharpen Variety Trial

Trial ID:C12-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-15 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/24/2012 AVG HT cm 9 DAT 0	RICE 7/5/2012 HEIGHT cm 51 DAT 0	RICSC 7/5/2012 HEIGHT cm 51 DAT 0	RICE 7/5/2012 HEIGHT cm 51 DAT 0	RICE 8/1/2012 HEIGHT CM HARVEST 0	RICE 8/1/2012 MOISTURE % HARVEST 1
									7	8	9	10	11	12
1	Cheniere								39fg	86b	89bc	89bc	94bcd	13.0a
	No Herbicide													
2	Cheniere								37g	92b	90bc	91bc	93cd	12.7a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
3	Cheniere								38fg	89b	90bc	91bc	94a-d	13.7a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
4	CL 151								37g	89b	88bc	91bc	94bcd	11.5a
	No Herbicide													
5	CL 151								39efg	88b	92bc	95b	93d	13.1a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
6	CL 151								40d-g	89b	91bc	90bc	91de	12.3a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
7	Caffey								47a	85b	89bc	86c	92de	15.9a
	No Herbicide													
8	Caffey								47a	92b	94b	90bc	95a-d	13.2a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
9	Caffey								46ab	89b	90bc	91bc	95a-d	12.7a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
10	CL 261								43b-e	88b	87c	88bc	87e	13.2a
	No Herbicide													
11	CL 261								43a-d	85b	86c	87c	92de	12.2a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
12	CL 261								44abc	91b	92bc	89bc	91de	13.1a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
13	CLXL 745								43b-e	107a	105a	105a	100a	12.2a
	No Herbicide													
14	CLXL 745								42b-f	105a	103a	104a	99ab	13.6a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
15	CLXL 745								40c-g	103a	108a	106a	99abc	13.1a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
LSD (P=.05)									4.2	8.4	6.3	7.0	5.7	4.06
Standard Deviation									2.9	5.9	4.4	4.9	4.0	2.84
CV									6.97	6.37	4.74	5.32	4.25	21.8
Replicate F									6.624	4.498	7.441	9.187	4.948	0.152
Replicate Prob(F)									0.0009	0.0080	0.0004	0.0001	0.0050	0.9278
Treatment F									6.111	6.039	9.603	6.983	2.958	0.497

Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0033	0.9215

LSU AgCenter SPESS

Sharpen Variety Trial

Trial ID:C12-15 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-15 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/1/2012 WEIGHT lb/plot HARVEST 1	RICE 8/1/2012 YIELD LB/A HARVEST 0	RICE 8/1/2012 YIELD KG/HA HARVEST 0	RICE 7/5/2012 HEIGHT cm 51 DAT 0
									13	14	15	16
1	Cheniere								10.8a	6231a	6984a	89bc
	No Herbicide											
2	Cheniere								14.1a	8120a	9102a	93b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
3	Cheniere								11.7a	6734a	7548a	91bc
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
4	CL 151								12.4a	7259a	8137a	90bc
	No Herbicide											
5	CL 151								8.6a	4947a	5545a	92b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
6	CL 151								8.9a	5172a	5797a	91bc
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
7	Caffey								10.8a	6011a	6737a	85c
	No Herbicide											
8	Caffey								15.8a	9070a	10167a	93b
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
9	Caffey								13.1a	7617a	8537a	89bc
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
10	CL 261								11.0a	6351a	7119a	88bc
	No Herbicide											
11	CL 261								13.3a	7726a	8660a	87bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
12	CL 261								11.4a	6588a	7384a	90bc
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
13	CLXL 745								14.1a	8153a	9139a	108a
	No Herbicide											
14	CLXL 745								14.0a	8071a	9046a	107a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
15	CLXL 745								16.2a	9375a	10508a	107a
	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST				
LSD (P=.05)									5.50	3302.9	3702.1	6.4
Standard Deviation									3.85	2311.3	2590.6	4.4
CV									31.02	32.27	32.27	4.78
Replicate F									0.842	0.769	0.769	8.263
Replicate Prob(F)									0.4786	0.5176	0.5176	0.0002
Treatment F									1.357	1.285	1.285	11.680

Treatment Prob(F)	0.2170	0.2567	0.2567	0.0001

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School of Plant, Environmental and Soil Sciences
Valor SX with Adjuvants at Spiking

Experiment number	:	**C12-16**
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	:	4/11/12
Harvest date	:	N/A
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:	PRE	SPIKE
Date applied [mm/dd/yy]	:	4/12/12	4/23/12
Time [hh:mm-hh:mm]	:	4:05-4:15P	8:45-9:00A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	77/78	58/73
Relative humidity [%]	:	80	60
Wind [mph, direction]	:	6-10/E	11/N
Weather [sunny, etc]	:	pt. cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	dry/dry
Crop stage/Height	:	N/A	spike/1-2
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	JCF	JCF

Flush Dates	:	4/11/12, 4/24/12, 5/9/12, 5/16/12,
Permanent Flood	:	5/23/12

*AMFF – Air mix flat fan nozzles

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Valor SX with Adjuvents at Spiking

Trial ID:C12-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-16 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									SEBEX	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date									5/14/2012	5/22/2012	6/5/2012	6/20/2012	7/3/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAT	30 DAT	46 DAT	61 DAT	74 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0d	0c	0c	0c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86ab	87a	80a	84a	80a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85ab	74b	78a	83a	75a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88a	81ab	84a	85a	51b
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Induce	100%		1%	v/v	1%	v/v	SPIKE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81b	53c	29b	48b	0c
	Permit	75%AW/W		0.0643	lb ai/a	1.03	oz ai/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
6	NONTREATED								0c	0d	0c	0c	0c
LSD (P=.05)									5.6	8.3	7.3	7.1	6.0
Standard Deviation									3.7	5.5	4.9	4.7	4.0
CV									6.51	11.18	10.8	9.45	11.65
Replicate F									2.653	2.090	0.824	3.558	1.623
Replicate Prob(F)									0.0864	0.1445	0.5011	0.0400	0.2260
Treatment F									567.490	210.177	274.341	304.298	377.104
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Valor SX with Adjuvents at Spiking

Trial ID:C12-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-16 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								ALRPH	ALRPH	ALRPH	CYPIR	CYPIR
Rating Date								5/14/2012	5/22/2012	6/20/2012	5/14/2012	5/22/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								22 DAT	30 DAT	61 DAT	22 DAT	30 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	28b	0c	0b	28b
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38a	36ab	48a	96a	93a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	39a	39a	35ab	95a	90a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38a	41a	28b	97a	89a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Induce	100%		1%	v/v	1%	v/v	SPIKE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	36a	36ab	35ab	96a	75a
	Permit	75%AW/W		0.0643	lb ai/a	1.03	oz ai/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
6	NONTREATED								0b	0c	0c	0b	0c
LSD (P=.05)									6.3	8.8	16.2	1.7	19.6
Standard Deviation									4.2	5.9	10.7	1.1	13.0
CV									16.73	19.56	44.37	1.79	20.86
Replicate F									1.429	0.323	0.217	0.769	0.862
Replicate Prob(F)									0.2737	0.8090	0.8828	0.5289	0.4823
Treatment F									85.857	27.581	13.623	7523.206	36.169
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Valor SX with Adjuvents at Spiking

Trial ID:C12-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-16 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
Pest Code									ECHCG	ECHCG	BRAPP	BRAPP	LEFPA
Rating Date									5/22/2012	7/3/2012	5/22/2012	7/3/2012	5/22/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									30 DAT	74 DAT	30 DAT	74 DAT	30 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	84a	95a	95a	96a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	84a	95a	95a	95a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	80a	94a	95a	95a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	79a	95a	95a	96a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Induce	100%		1%	v/v	1%	v/v	SPIKE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	85a	95a	95a	96a
	Permit	75%AW/W		0.0643	lb ai/a	1.03	oz ai/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
6	NONTREATED								0b	0b	0b	0b	0b
LSD (P=.05)									4.4	11.7	5.4	0.0	4.6
Standard Deviation									2.9	7.8	3.6	0.0	3.0
CV									3.7	11.32	4.58	0.0	3.81
Replicate F									0.345	0.848	0.277	0.000	0.326
Replicate Prob(F)									0.7934	0.4891	0.8413	1.0000	0.8065
Treatment F									700.548	75.298	458.594	0.000	662.312
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Valor SX with Adjuvents at Spiking

Trial ID:C12-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-16 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
	Pest Code								AESIN	AESIN	AESIN	CYPES	RICE
	Rating Date								6/5/2012	6/20/2012	7/3/2012	6/20/2012	5/14/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								46 DAT	61 DAT	74 DAT	61 DAT	22 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85ab	0b	95a	0c	0c
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	95a	95a	93ab	25a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	97a	95a	91b	14b
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	98a	95a	90b	14b
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE					
	Induce	100%		1%	v/v	1%	v/v	SPIKE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83b	95a	95a	97a	9b
	Permit	75%AW/W		0.0643	lb ai/a	1.03	oz ai/a	SPIKE					
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE					
6	NONTREATED								0c	0b	0b	0c	0c
	LSD (P=.05)								6.9	3.4	0.0	5.8	7.9
	Standard Deviation								4.6	2.3	0.0	3.9	5.2
	CV								6.23	3.51	0.0	6.25	51.31
	Replicate F								0.318	1.033	0.000	2.818	1.759
	Replicate Prob(F)								0.8124	0.4063	1.0000	0.0747	0.1980
	Treatment F								249.562	1947.128	0.000	615.625	13.253
	Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Valor SX with Adjuvents at Spiking

Trial ID:C12-16 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-16 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/22/2012 INJURY % 30 DAT 0 21	RICE 6/5/2012 INJURY % 46 DAT 0 22	RICE 6/20/2012 INJURY % 61 DAT 0 23	RICE 7/3/2012 INJURY % 74 DAT 0 24
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE				
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a
	Valor SX	51		0.0643	lb ai/a	2.02	fl oz/a	SPIKE				
	Induce	100%		1%	v/v	1%	v/v	SPIKE				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	0a	0a
	Permit	75%AW/W		0.0643	lb ai/a	1.03	oz ai/a	SPIKE				
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE				
6	NONTREATED								0a	0a	0a	0a
LSD (P=.05)									0.0	0.0	0.0	0.0
Standard Deviation									0.0	0.0	0.0	0.0
CV									0.0	0.0	0.0	0.0
Replicate F									0.000	0.000	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000
Treatment F									0.000	0.000	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

F9870 MPOST

Experiment number	**C12-17**	
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	4/12/12	
Harvest date	N/A	
Crop/Variety	CL161	
Emergence date	4/25/12	
Uniform std. treatment	N/A	
Application type	PRE	MPOST
Date applied [mm/dd/yy]	04/12/12	05/14/12
Time [hh:mm-hh:mm]	9:15-9:20A	1:10-1:30P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	70/76	82/72
Relative humidity [%]	85	41
Wind [mph, direction]	6/E	5/NNE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/dry	wet/dry
Crop stage/Height	N/A	3-4lf/3-5"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15
GPA/PSI	15/24	15/24
Applied by	EPW	JCF
Weed Species (population)	---------- (height/#leaves) ----------	
ALRPH(5-10m^{-2})		3-13"/7-15lf
SEBEX(7-10m^{-2})		1-3"/3-5lf
AESIN(1-3m^{-2})		1-1.5"/2-4lf
CYPIR(150-175m^{-2})		0.25-0.75"/1-3lf
Flush Dates	4/24, 5/9, 5/16	
Permanent Flood	5/23	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:C12-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									SEBEX	SEBEX	SEBEX	SEBEX	ALRPH
Rating Date									5/22/2012	6/5/2012	6/18/2012	7/3/2012	5/22/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									8 DAT	22 DAT	35 DAT	50 DAT	8 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0c	0c	0b	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	95a	55ab
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	95a	63a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	97a	95a	30d
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	95a	43c
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	94b	85b	91a	46bc
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	95a	61a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)									3.4	2.6	2.7	4.2	9.1
Standard Deviation									2.3	1.7	1.8	2.8	6.1
CV									2.77	2.09	2.24	3.5	14.43
Replicate F									0.417	1.000	1.224	1.000	0.538
Replicate Prob(F)									0.7429	0.4155	0.3298	0.4155	0.6621
Treatment F									1012.289	1779.250	1578.324	634.333	51.142
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:C12-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 6/5/2012 CONTROL % 22 DAT 0	ALRPH 6/18/2012 CONTROL % 35 DAT 0	CYPIR 5/22/2012 CONTROL % 8 DAT 0	CYPIR 6/18/2012 CONTROL % 35 DAT 0	AESIN 6/5/2012 CONTROL % 22 DAT 0
									6	7	8	9	10
1	Nontreated								0d	0c	0c	0c	0b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68bc	44b	97a	97a	98a
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71ab	63a	95a	97a	98a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68bc	44b	97a	98a	98a
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63c	55ab	95a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70ab	60a	70b	63b	97a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75a	61a	97a	97a	98a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)									7.1	13.2	3.1	2.0	0.8
Standard Deviation									4.7	8.9	2.1	1.3	0.6
CV									8.03	19.11	2.65	1.69	0.68
Replicate F									3.529	0.641	2.232	2.561	1.000
Replicate Prob(F)									0.0360	0.5983	0.1195	0.0871	0.4155
Treatment F									123.291	24.405	1192.492	3115.325	17031.224
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:C12-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 11	RICE 12	RICE 13	RICE 14	RICE 15	RICE 16
	Pest Code								AESIN	RICE	RICE	RICE	RICE	RICE
	Rating Date								7/3/2012	5/22/2012	6/5/2012	6/18/2012	7/3/2012	8/13/2012
	Rating Type								CONTROL	INJURY	INJURY	INJURY	INJURY	HEIGHT
	Rating Unit								%	%	%	%	%	cm
	Trt-Eval Interval								50 DAT	8 DAT	22 DAT	35 DAT	50 DAT	HARVEST
	Number of Decimals								0	0	0	0	0	0
1	Nontreated								0b	0c	0a	0a	0a	104a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	10b	0a	0a	0a	103a
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	20a	0a	0a	0a	104a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	0c	1a	0a	0a	105a
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	0c	1a	0a	0a	104a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	20a	8a	0a	0a	102a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	21a	3a	0a	0a	102a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
	LSD (P=.05)								0.0	7.1	5.4	0.0	0.0	7.1
	Standard Deviation								0.0	4.8	3.6	0.0	0.0	4.8
	CV								0.0	47.23	201.88	0.0	0.0	4.59
	Replicate F								0.000	0.039	3.939	0.000	0.000	1.131
	Replicate Prob(F)								1.0000	0.9895	0.0253	1.0000	1.0000	0.3661
	Treatment F								0.000	18.064	2.221	0.000	0.000	0.219
	Treatment Prob(F)								1.0000	0.0001	0.0885	1.0000	1.0000	0.9649

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:C12-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 AVG HT cm HARVEST 0	RICE 8/13/2012 LENGTH ft HARVEST 1	RICE 8/13/2012 WEIGHT g HARVEST 0	RICE 8/13/2012 MOISTURE % HARVEST 1	RICE 8/13/2012 YIELD LB/A HARVEST 0
									17	18	19	20	21	22
1	Nontreated													
	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	104a	13.6a	1127b	18.1a	2497b
2	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	103a	13.6a	2110a	18.7a	4640a
	F9870	62.5%	W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
3	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	105a	13.6a	1995a	18.5a	4397a
	F9870	62.5%	W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
4	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	106a	13.6a	1891a	18.2a	4187a
	Permit	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
5	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	103a	104a	13.6a	1777a	17.9a	3949a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
6	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	99a	101a	13.6a	1936a	18.2a	4285a
	Aim		2LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
7	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	102a	13.6a	1989a	17.6a	4432a
	Aim		2LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Permit	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
LSD (P=.05)									5.5	5.7	0.00	437.9	0.96	976.1
Standard Deviation									3.7	3.8	0.00	292.1	0.64	651.2
CV									3.59	3.65	0.0	15.94	3.51	16.06
Replicate F									1.630	1.665	0.000	1.213	0.412	1.177
Replicate Prob(F)									0.2219	0.2145	1.0000	0.3371	0.7464	0.3495
Treatment F									1.466	0.759	0.000	5.018	1.368	4.893
Treatment Prob(F)									0.2514	0.6124	1.0000	0.0045	0.2859	0.0051

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:C12-17 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	23
	Pest Code								RICE
	Rating Date								8/13/2012
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Nontreated								2798b
	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	
2	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5201a
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
3	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4929a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
4	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4692a
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
5	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4426a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
6	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4803a
	Aim		2LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
7	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4968a
	Aim		2LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST	
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST	
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST	
	LSD (P=.05)								1094.1
	Standard Deviation								729.8
	CV								16.06
	Replicate F								1.177
	Replicate Prob(F)								0.3495
	Treatment F								4.893
	Treatment Prob(F)								0.0051

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School of Plant, Environmental and Soil Sciences
Newpath and EC Formulation Study

Experiment number..... : **C12-18**
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 ..... : 4/23/12
Harvest date..... : 8/13/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/14/12
Time [hh:mm-hh:mm]..... : 11:05-11:15A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 78/71
Relative humidity [%] ..... : 48
Wind [mph, direction] ..... : 6/N
Weather [sunny, etc]..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height..... : 2-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) -
ORYSA(75-125m^{-2})..... : 3-5"/2-3lf
ECHCG(50-100m^{-2}) ..... : 2-3"/2-3lf
SEBEX(3-5m^{-2}) ..... : 2-3"/3-5lf

Flush Dates..... : 4/26, 5/2, 5/15
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Newpath and EC Formulation Study

Trial ID:C12-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-18 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ORYSA	ORYSA	ORYSA	SEBEX	SEBEX
Rating Date									6/6/2012	6/18/2012	7/3/2012	6/6/2012	6/18/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									22 DAT	34 DAT	49 DAT	22 DAT	34 DAT
Number of Decimals									0	0	0	0	0
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	77d	78b	73cd	0d	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	87ab	88a	80b	98a	98a
	Stam M4	4	LBA/GAL	2	lb ai/a	4	pt/a	EPOST					
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	83bcd	80b	79bc	8cd	78b
	Prowl	3.3	LBA/GAL	1	lb ai/a	2.42	pt/a	EPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	78cd	76b	74bcd	13c	36c
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	2.1	pt/a	EPOST					
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	85abc	79b	75bcd	95a	97a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	82bcd	78b	78bc	8cd	0d
	Bolero	8	LBA/GAL	2.25	lb ai/a	2.25	pt/a	EPOST					
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	91a	95a	90a	98a	98a
	RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST					
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	83bcd	94a	73cd	60b	45c
	Command	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST					
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	84bcd	79b	76bcd	98a	98a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	EPOST					
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	84bc	78b	70d	10cd	0d
	Alert	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST					
11	Nontreated								0e	0c	0e	0d	0d
LSD (P=.05)									7.2	7.4	7.1	12.3	14.4
Standard Deviation									5.0	5.1	4.9	8.5	10.0
CV									6.58	6.82	7.01	19.25	19.98
Replicate F									0.880	4.237	5.802	0.185	0.865
Replicate Prob(F)									0.4625	0.0131	0.0030	0.9059	0.4700
Treatment F									103.946	101.686	94.238	111.952	80.558
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and EC Formulation Study

Trial ID:C12-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-18 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 7/3/2012 CONTROL % 49 DAT 0	ECHCG 6/6/2012 CONTROL % 22 DAT 0	ECHCG 6/18/2012 CONTROL % 34 DAT 0	ECHCG 7/3/2012 CONTROL % 49 DAT 0	RICE 6/6/2012 INJURY % 22 DAT 0	RICE 6/18/2012 INJURY % 34 DAT 0
									6	7	8	9	10	11
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0c	55d	46de	33e	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	96a	93a	81ab	65bc	0a	0a
	Stam M4	4	LBA/GAL	2	lb ai/a	4	pt/a	EPOST						
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0c	68c	55cd	50cd	0a	0a
	Prowl	3.3	LBA/GAL	1	lb ai/a	2.42	pt/a	EPOST						
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0c	55d	38e	38de	0a	0a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	2.1	pt/a	EPOST						
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	97a	81b	71bc	59bc	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0c	75bc	48de	31e	0a	0a
	Bolero	8	LBA/GAL	2.25	lb ai/a	2.25	pt/a	EPOST						
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	93a	92a	90a	0a	0a
	RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST						
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	81b	83ab	76ab	69b	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST						
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	86ab	69bc	36de	0a	0a
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	EPOST						
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0c	68c	75b	50cd	0a	0a
	Alert	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST						
11	Nontreated								0c	0e	0f	0f	0a	0a
LSD (P=.05)									2.2	11.2	16.5	15.7	0.0	0.0
Standard Deviation									1.5	7.7	11.4	10.9	0.0	0.0
CV									3.52	11.26	19.27	23.02	0.0	0.0
Replicate F									0.787	1.049	2.294	0.627	0.000	0.000
Replicate Prob(F)									0.5105	0.3854	0.0980	0.6032	1.0000	1.0000
Treatment F									4289.966	46.510	20.433	19.169	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

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Newpath and EC Formulation Study

Trial ID:C12-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-18 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/3/2012 INJURY % 49 DAT 12	RICE 8/13/2012 WEIGHT g/plot HARVEST 13	RICE 8/13/2012 MOISTURE % HARVEST 14	RICE 8/13/2012 YIELD LB/A HARVEST 15	RICE 8/13/2012 YIELD KG/HA HARVEST 16	RICE 8/13/2012 HEIGHT cm HARVEST 17
	Pest Code													
	Rating Date								7/3/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012
	Rating Type								INJURY	WEIGHT	MOISTURE	YIELD	YIELD	HEIGHT
	Rating Unit								%	g/plot	%	LB/A	KG/HA	cm
	Trt-Eval Interval								49 DAT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	1	0	0	0
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	362cd	19.8a	731cd	820cd	77cd
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	1171ab	19.8a	2366ab	2652ab	88abc
	Stam M4	4	LBA/GAL	2	lb ai/a	4	pt/a	EPOST						
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	502bcd	19.8a	1015bcd	1138bcd	82bcd
	Prowl	3.3	LBA/GAL	1	lb ai/a	2.42	pt/a	EPOST						
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	402cd	19.8a	812cd	910cd	76d
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	2.1	pt/a	EPOST						
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	563bcd	19.8a	1137bcd	1275bcd	83bcd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	572bcd	19.8a	1155bcd	1295bcd	84bcd
	Bolero	8	LBA/GAL	2.25	lb ai/a	2.25	pt/a	EPOST						
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	1339a	19.8a	2705a	3032a	96a
	RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST						
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	649a-d	19.8a	1312a-d	1471a-d	91ab
	Command	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST						
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	620bcd	19.8a	1253bcd	1405bcd	80bcd
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	EPOST						
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	752abc	19.8a	1520abc	1704abc	83bcd
	Alert	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST						
11	Nontreated								0a	0d	19.8a	0d	0d	59e
	LSD (P=.05)								0.0	694.1	0.00	1402.9	1572.5	11.3
	Standard Deviation								0.0	480.7	0.00	971.6	1089.0	7.9
	CV								0.0	76.3	0.0	76.3	76.3	9.63
	Replicate F								0.000	0.055	0.000	0.055	0.055	0.138
	Replicate Prob(F)								1.0000	0.9826	1.0000	0.9826	0.9826	0.9366
	Treatment F								0.000	2.345	0.000	2.345	2.345	5.829
	Treatment Prob(F)								1.0000	0.0348	1.0000	0.0348	0.0348	0.0001

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Newpath and EC Formulation Study

Trial ID:C12-18 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-18 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 AVG HT cm HARVEST 0
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	77cd	77d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST		
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	91ab	89abc
	Stam M4	4	LBA/GAL	2	lb ai/a	4	pt/a	EPOST		
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	84a-d	83bcd
	Prowl	3.3	LBA/GAL	1	lb ai/a	2.42	pt/a	EPOST		
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	72de	74d
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	2.1	pt/a	EPOST		
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	80bcd	82bcd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST		
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	86abc	85a-d
	Bolero	8	LBA/GAL	2.25	lb ai/a	2.25	pt/a	EPOST		
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	96a	96a
	RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST		
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	93ab	92ab
	Command	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST		
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	75cd	78cd
	Facet L	1.5	LBA/GAL	0.375	lb ai/a	32	fl oz/a	EPOST		
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	86abc	85a-d
	Alert	3	LBA/GAL	0.3	lb ai/a	0.8	pt/a	EPOST		
11	Nontreated								60e	59e
LSD (P=.05)									12.6	11.3
Standard Deviation									8.7	7.9
CV									10.65	9.62
Replicate F									1.133	0.560
Replicate Prob(F)									0.3516	0.6456
Treatment F									5.668	6.272
Treatment Prob(F)									0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Beyond and EC Formulation Study

Experiment number	:	**C12-19**
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	:	4/23/12
Harvest date	:	8/14/12
Crop/Variety	:	CL161
Emergence date	:	5/4/12
Uniform std. treatment	:	N/A
Application type	:	EPOST
Date applied [mm/dd/yy]	:	05/14/12
Time [hh:mm-hh:mm]	:	11:28-11:45A
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	78/71
Relative humidity [%]	:	48
Wind [mph, direction]	:	6/N
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	wet/dry
Crop stage/Height	:	2-3lf/2-3"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15
GPA/PSI	:	15/24
Applied by	:	JCF
Weed Species (population)	:-	(height/#leaves) -
ORYSA(75-125m^{-2})	:	2-4"/2-3lf
ECHCG(50-75m^{-2})	:	2-3"/2-3lf
SEBEX(3-5m^{-2})	:	2-4"/3-4lf
Flush Dates	:	4/26, 5/2, 5/15
Permanent Flood	:	5/30

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Beyond and EC Formulations study

Trial ID:C12-19 Protocol ID:C12-19
Location:RRS-Crowley, LA Study Director:Eric P. Webster
Project ID: Investigator:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1	2	3	4	5	6
Pest Type					W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code					ORYSA	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Pest Scientific Name					Oryza sativa	Oryza sativa	Oryza sativa	Echinochloa cr>	Echinochloa cr>	Echinochloa cr>
Pest Name					Common rice	Common rice	Common rice	Common barnyar>	Common barnyar>	Common barnyar>
Rating Date					6/6/2012	6/18/2012	7/3/2012	6/6/2012	6/18/2012	7/3/2012
Rating Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%	%
Number of Subsamples					1	1	1	1	1	1
Trt-Eval Interval					22 DAT	34 DAT	49 DAT	22 DAT	34 DAT	49 DAT
ARM Action Codes										
Number of Decimals					0	0	0	0	0	0
1	Beyond	0.039	lb ai/a	A	64c	77cd	76b	30c	46d	43c
	Agri-Dex	1% v/v		A						
2	Beyond	0.039	lb ai/a	A	93a	92ab	86b	86ab	93ab	75b
	Stam M4	2	lb ai/a	A						
3	Beyond	0.039	lb ai/a	A	91a	85bc	80b	83ab	80ab	50c
	Prowl	1	lb ai/a	A						
4	Beyond	0.039	lb ai/a	A	70c	75d	80b	38c	61c	53c
	Prowl H2O	1	lb ai/a	A						
5	Beyond	0.039	lb ai/a	A	76bc	93ab	81b	73b	94a	40c
	Aim	0.0156	lb ai/a	A						
6	Beyond	0.039	lb ai/a	A	76bc	85bc	79b	76b	91ab	73b
	Bolero	2.25	lb ai/a	A						
7	Beyond	0.039	lb ai/a	A	97a	95a	95a	98a	96a	95a
	RiceBeaux	1.5	lb ai/a	A						
8	Beyond	0.039	lb ai/a	A	76bc	83cd	79b	74b	79ab	71b
	Command	0.3	lb ai/a	A						
9	Beyond	0.039	lb ai/a	A	86ab	87abc	83b	80ab	85ab	83ab
	Facet L	0.375	lb ai/a	A						
10	Beyond	0.039	lb ai/a	A	71c	81cd	79b	44c	75b	55c
	Alert	0.3	lb ai/a	A						
11	Nontreated				0d	0e	74b	0d	0e	43c
LSD (P=.05)					9.8	6.4	7.5	14.8	12.0	13.5
Standard Deviation					6.8	4.4	5.2	10.3	8.3	9.3
CV					9.34	5.72	6.41	16.62	11.39	15.13
Replicate F					1.301	0.845	1.201	1.039	0.337	0.835
Replicate Prob(F)					0.2921	0.4804	0.3263	0.3893	0.7988	0.4854
Treatment F					59.773	142.513	4.719	33.613	47.059	15.665
Treatment Prob(F)					0.0001	0.0001	0.0004	0.0001	0.0001	0.0001

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Beyond and EC Formulations study

Trial ID:C12-19 Protocol ID:C12-19
Location:RRS-Crowley, LA Study Director:Eric P. Webster
Project ID: Investigator:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7	8	9	10	11	12	13
	Pest Type				W Weed	W Weed	W Weed				
	Pest Code				SEBEX	SEBEX	SEBEX	RICE	RICE	RICE	RICE
	Pest Scientific Name				Sesbania exalt>	Sesbania exalt>	Sesbania exalt>				
	Pest Name				Hemp sesbania	Hemp sesbania	Hemp sesbania				
	Rating Date				6/6/2012	6/18/2012	7/3/2012	6/18/2012	7/3/2012	8/13/2012	8/13/2012
	Rating Type				CONTROL	CONTROL	CONTROL	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit				%	%	%	%	%	cm	cm
	Number of Subsamples				1	1	1	1	1	1	1
	Trt-Eval Interval				22 DAT	34 DAT	49 DAT	34 DAT	49 DAT	HARVEST	HARVEST
	ARM Action Codes										
	Number of Decimals				0	0	0	0	0	0	0
1	Beyond	0.039	lb ai/a	A	6c	0c	0c	0a	0a	75b	72c
	Agri-Dex	1%	v/v	A							
2	Beyond	0.039	lb ai/a	A	98a	98a	98a	0a	0a	93ab	95ab
	Stam M4	2	lb ai/a	A							
3	Beyond	0.039	lb ai/a	A	25b	29b	87a	0a	0a	83b	81bc
	Prowl	1	lb ai/a	A							
4	Beyond	0.039	lb ai/a	A	0c	0c	20b	0a	0a	74b	74bc
	Prowl H2O	1	lb ai/a	A							
5	Beyond	0.039	lb ai/a	A	98a	98a	98a	0a	0a	81b	81bc
	Aim	0.0156	lb ai/a	A							
6	Beyond	0.039	lb ai/a	A	19b	5c	0c	0a	0a	83b	85bc
	Bolero	2.25	lb ai/a	A							
7	Beyond	0.039	lb ai/a	A	98a	98a	98a	0a	0a	105a	105a
	RiceBeaux	1.5	lb ai/a	A							
8	Beyond	0.039	lb ai/a	A	0c	8c	0c	0a	0a	82b	79bc
	Command	0.3	lb ai/a	A							
9	Beyond	0.039	lb ai/a	A	98a	98a	98a	0a	0a	90ab	91abc
	Facet L	0.375	lb ai/a	A							
10	Beyond	0.039	lb ai/a	A	3c	0c	0c	0a	0a	79b	80bc
	Alert	0.3	lb ai/a	A							
11	Nontreated				0c	0c	15bc	0a	0a	55c	58d
LSD (P=.05)					10.4	11.8	13.0	0.0	0.0	12.7	13.4
Standard Deviation					7.2	8.1	9.0	0.0	0.0	8.8	9.3
CV					17.9	20.69	19.28	0.0	0.0	10.74	11.33
Replicate F					0.594	1.515	3.054	0.000	0.000	1.246	0.853
Replicate Prob(F)					0.6240	0.2309	0.0435	1.0000	1.0000	0.3104	0.4759
Treatment F					164.219	134.091	111.358	0.000	0.000	8.172	7.349
Treatment Prob(F)					0.0001	0.0001	0.0001	1.0000	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Beyond and EC Formulations study

Trial ID:C12-19 Protocol ID:C12-19
Location:RRS-Crowley, LA Study Director:Eric P. Webster
Project ID: Investigator:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	14	15	16	17	18	19
	Pest Type									
	Pest Code				RICE	RICE	RICE	RICE	RICE	RICE
	Pest Scientific Name									
	Pest Name									
	Rating Date				8/13/2012	8/13/2012	8/14/2012	8/14/2012	8/14/2012	8/14/2012
	Rating Type				AVG HT	LENGTH	WEIGHT	MOISTURE	YIELD	YIELD
	Rating Unit				cm	ft	g/plot	%	LB	KG/HA
	Number of Subsamples				1	1	1	1	1	1
	Trt-Eval Interval				HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	ARM Action Codes				T1				TY2	TY3
	Number of Decimals				0	1	0	1	0	0
1	Beyond	0.039	lb ai/a	A	73c	11.9a	274ab	22.1a	661ab	740ab
	Agri-Dex	1%	v/v	A						
2	Beyond	0.039	lb ai/a	A	94ab	11.9a	1538a	22.1a	3705a	4153a
	Stam M4	2	lb ai/a	A						
3	Beyond	0.039	lb ai/a	A	82bc	11.9a	1035ab	22.1a	2492ab	2794ab
	Prowl	1	lb ai/a	A						
4	Beyond	0.039	lb ai/a	A	74bc	11.9a	389ab	22.1a	936ab	1050ab
	Prowl H2O	1	lb ai/a	A						
5	Beyond	0.039	lb ai/a	A	81bc	11.9a	837ab	22.1a	2015ab	2258ab
	Aim	0.0156	lb ai/a	A						
6	Beyond	0.039	lb ai/a	A	84bc	11.9a	979ab	22.1a	2357ab	2642ab
	Bolero	2.25	lb ai/a	A						
7	Beyond	0.039	lb ai/a	A	105a	11.9a	1604a	22.1a	3864a	4331a
	RiceBeaux	1.5	lb ai/a	A						
8	Beyond	0.039	lb ai/a	A	80bc	11.9a	715ab	22.1a	1722ab	1930ab
	Command	0.3	lb ai/a	A						
9	Beyond	0.039	lb ai/a	A	91abc	11.9a	1456a	22.1a	3508a	3931a
	Facet L	0.375	lb ai/a	A						
10	Beyond	0.039	lb ai/a	A	79bc	11.9a	355ab	22.1a	854ab	957ab
	Alert	0.3	lb ai/a	A						
11	Nontreated				56d	11.9a	0b	22.1a	0b	0b
LSD (P=.05)					12.5	0.00	881.2	0.00	2122.5	2379.0
Standard Deviation					8.6	0.00	610.3	0.00	1470.0	1647.6
CV					10.57	0.0	73.12	0.0	73.12	73.12
Replicate F					0.863	0.000	2.226	0.000	2.226	2.226
Replicate Prob(F)					0.4709	1.0000	0.1057	1.0000	0.1057	0.1057
Treatment F					8.387	0.000	3.210	0.000	3.210	3.210
Treatment Prob(F)					0.0001	1.0000	0.0064	1.0000	0.0064	0.0064

LSU AgCenter
School of Plant, Environmental and Soil Sciences
SEBEX Density Trial

Experiment number	:	**C12-20**	
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	:	4/11/12	
Harvest date	:	8/13/12	
Crop/Variety	:	CL161	
Emergence date	:	4/23/12	
Uniform std. treatment	:	Overspray of Rice Star	
Application type	:	EPOST	
Date applied [mm/dd/yy]	:	05/01/12	05/08/12
Time [hh:mm-hh:mm]	:	10:30-11:30A	
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	79/78	70
Relative humidity [%]	:	79	66
Wind [mph, direction]	:	5/ESE	2/N
Weather [sunny, etc]	:	sunny	
Soil/Leaf surface moist	:	dry/dry	
Crop stage/Height	:	2-3lf/4"	3-4lf/6-8"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	NDF	NDF
Weed Species (population)	:-	---------(height/#leaves)--------	
SEBEX(1-2m^{-2})	:	1"/1lf	4"/3lf
CNPPA(5m^{-2})	:	1"/2lf	4-6"/4lf
ALRPH(5-7m^{-2})……:……	:	2-4"/20-30lf	8-10"/lf
CYPES(20-30m^{-2})	:	4-6"/5-10lf	8-10"/7-15lf
BRAPP(50-100m^{-2})	:	0.5"/1lf	
Flush Dates	:	4/24, 5/9, 5/16	
Permanent Flood	:	5/23	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Hemp Sesbania Density Trial

Trial ID:C12-20 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-20 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	SEBEX	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	7/19/2012	8/6/2012	8/6/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012	8/13/2012
Rating Type	DENSITY	HEIGHT	HEIGHT	LENGHT	WEIGHT	MOISTURE	YIELD	YIELD	AVG HT
Rating Unit	per plot	cm	cm	ft	g/plot	%	LB	KG/HA	cm
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	0	1	0	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8	9
1Weed Free	6d	112a	112a	13.4a	1520a	23.4a	3154a	3535a	112a
22.5 seeds/m^2	23d	113a	110a	13.4a	1044b	23.3a	2171b	2434b	111a
35 seeds/m^2	44c	113a	110a	13.4a	623bc	22.1a	1318bc	1477bc	111a
410 seeds/m^2	69b	109a	112a	13.4a	335c	22.3a	706c	792c	111a
515 seeds/m^2	84b	112a	110a	13.4a	351c	21.7a	744c	834c	111a
620 seeds/m^2	107a	109a	110a	13.4a	407c	21.4a	865c	969c	110a
725 seeds/m^2	109a	107a	106a	13.4a	515c	21.9a	1092c	1224c	106a
LSD (P=.05)	17.4	8.0	8.4	0.00	458.5	2.04	948.4	1063.0	7.9
Standard Deviation	11.7	5.4	5.6	0.00	308.6	1.34	638.4	715.5	5.3
CV	18.59	4.89	5.13	0.0	45.07	6.02	44.46	44.46	4.85
Replicate F	6.309	5.202	3.262	0.000	1.974	0.043	1.985	1.985	4.375
Replicate Prob(F)	0.0041	0.0092	0.0456	1.0000	0.1541	0.9878	0.1523	0.1523	0.0176
Treatment F	47.143	0.662	0.529	0.000	8.188	1.372	8.117	8.117	0.499
Treatment Prob(F)	0.0001	0.6808	0.7791	1.0000	0.0002	0.2920	0.0002	0.0002	0.8012

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School of Plant, Environmental and Soil Sciences
AESIN Density Trial

Experiment number	:	**C12-21**	
Location	:	RRS-Crowley, LA	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)	
% OM	:	1.4	
pH	:	6.4	
CEC	:	19.1	
Planting date	:	4/11/12	
Harvest date	:	8/13/12	
Crop/Variety	:	CL161	
Emergence date	:	4/23/12	
Uniform std. treatment	:	Overspray of Rice star	
Application type	:	EPOST	
Date applied [mm/dd/yy]	:	05/01/12	05/08/12
Time [hh:mm-hh:mm]	:	10:30-11:30A	
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	79/78	70
Relative humidity [%]	:	79	66
Wind [mph, direction]	:	5,ESE	2/N
Weather [sunny, etc]	:	sunny	
Soil/Leaf surface moist	:	dry/dry	
Crop stage/Height	:	2-3lf/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	:	15/24	15/24
Applied by	:	NDF	NDF
Weed Species (population)	:	---------(height/#leaves)---------	
SEBEX(1-2m^{-2})	:	1"/1lf	
CNPPA(5m^{-2})	:	1"/2lf	4-6"/4lf
ALRPH(5-7m^{-2})…….:	:	2-4"/20-30lf	8-10"/40-100lf
CYPES(20-30m^{-2})	:	4-6"/5-10lf	8-10"/7-15lf
BRAPP(50-100m^{-2})	:	0.5"/1lf	
AESIN(0-15m^{-2})	:		1-4"/1-4lf
Flush Dates	:	4/24, 5/9, 5/16	
Permanent Flood	:	5/23	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Indian Jointvetch Density Trial

Trial ID:C12-21 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-21 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	AESIN	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	7/19/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type	DENSITY	HEIGHT	HEIGHT	LENGTH	WEIGHT	MOISTURE	AVG HT	YIELD	YIELD
Rating Unit	per plot	cm	cm	ft	g/plot	%	cm	LB	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	0	1	0	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8	9
1Weed Free	2d	103a	102a	14.3a	2051a	22.9a	102a	4020a	4506a
22.5 seeds/m^2	8cd	107a	105a	14.3a	2130a	23.3a	106a	4157a	4659a
35 seeds/m^2	12bcd	104a	106a	14.3a	1936a	22.4a	105a	3818a	4280a
410 seeds/m^2	13bc	103a	107a	14.3a	2018a	23.3a	105a	3935a	4410a
515 seeds/m^2	14bc	104a	106a	14.3a	1832a	23.3a	105a	3569a	4000a
620 seeds/m^2	20ab	103a	103a	14.3a	1920a	23.2a	103a	3755a	4209a
725 seeds/m^2	25a	102a	102a	14.3a	1761a	22.7a	102a	3464a	3882a
LSD (P=.05)	10.6	6.8	6.1	0.00	383.1	1.42	6.0	735.0	823.9
Standard Deviation	7.2	4.6	4.1	0.00	257.9	0.95	4.0	494.8	554.6
CV	54.4	4.41	3.91	0.0	13.23	4.14	3.87	12.96	12.96
Replicate F	0.393	0.357	0.145	0.000	2.637	0.748	0.188	2.670	2.670
Replicate Prob(F)	0.7595	0.7844	0.9312	1.0000	0.0811	0.5378	0.9035	0.0785	0.0785
Treatment F	4.430	0.580	1.002	0.000	0.982	0.550	0.601	0.982	0.982
Treatment Prob(F)	0.0064	0.7413	0.4541	1.0000	0.4657	0.7639	0.7257	0.4656	0.4656

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School of Plant, Environmental and Soil Sciences

SEBEX Competition

Experiment number	:	**C12-22**		
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	:	4/11/12		
Harvest date	:			
Crop/Variety	:	CL161		
Emergence date	:	4/23/12		
Uniform std. treatment	:	Overspray of Rice star and some Propanil		

Application type	:	WR		10 WAE
Date applied [mm/dd/yy]	:	06/4/12	06/21/12	07/05/12
Time [hh:mm-hh:mm]	:	10:00A	8:30-8:40A	8:30-9:00A
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	86	75	81
Relative humidity [%]	:	65	91	85
Wind [mph, direction]	:	3-6/SW	5-7/NNE	1/NE
Weather [sunny, etc]	:	pt. cloudy	sunny	pt. cloudy
Soil/Leaf surface moist	:	wet/dry	wet/dry	dry/dry
Crop stage/Height	:	18"/5-6lf	4-5till/15-20"	boot-head 30"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	15/5/15	15/5/15
GPA/PSI	:	15/24	15/24	15/24
Applied by	:	NDF	NDF	NDF

Weed Species (population)	:	---------- (height/#leaves) ----------	
SEBEX(10-20m^{-2})	:	20-24"/20lf	7ft/lots
(m^{-2})	:		
(m^{-2})……..:	:		
(m^{-2})	:		
(m^{-2})	:		

Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:C12-22 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-22 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type	HEIGHT	HEIGHT	AVG HT	LENGHT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit	cm	cm	cm	ft	g/plot	%	LB	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	0	1	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8
1Nontreated	107a	107a	107a	13.8a	1475e	21.6a	3064e	3434e
2Removal at 1 WAE	107a	105a	106a	13.8a	2679abc	20.9a	5626abc	6306abc
3Removal at 2 WAE	102a	103a	102a	13.8a	3080a	21.4a	6375a	7146a
4Removal at 3 WAE	105a	104a	105a	13.8a	2491a-d	19.8a	5282a-d	5920a-d
5Removal at 4 WAE	102a	102a	102a	13.8a	2417a-d	20.7a	5099a-d	5715a-d
6Removal at 6 WAE	106a	107a	106a	13.8a	3072a	19.7a	6497a	7282a
7Removal at 8 WAE	102a	100a	101a	13.8a	1720de	21.1a	3600de	4035de
8Removal at 10 WAE	104a	106a	105a	13.8a	2215a-e	19.1a	4717a-e	5287a-e
9Weed-free until 1 WAE	106a	104a	105a	13.8a	1870cde	19.9a	3953cde	4431cde
10Weed-free until 2 WAE	108a	106a	107a	13.8a	3064a	19.7a	6480a	7263a
11Weed-free until 3 WAE	107a	108a	108a	13.8a	2068b-e	21.9a	4241b-e	4753b-e
12Weed-free until 4 WAE	106a	106a	106a	13.8a	2400a-d	20.2a	5035a-d	5643a-d
13Weed-free until 6 WAE	105a	107a	106a	13.8a	2436a-d	22.5a	4961a-d	5560a-d
14Weed-free	108a	109a	108a	13.8a	2885ab	21.9a	5956ab	6676ab
LSD (P=.05)	6.1	6.5	5.7	0.00	885.9	3.39	1892.7	2121.4
Standard Deviation	4.3	4.5	4.0	0.00	619.9	2.37	1324.4	1484.5
CV	4.07	4.31	3.8	0.0	25.62	11.44	26.16	26.16
Replicate F	4.024	1.508	2.908	0.000	0.164	1.059	0.107	0.107
Replicate Prob(F)	0.0138	0.2277	0.0466	1.0000	0.9197	0.3781	0.9556	0.9556
Treatment F	0.905	1.140	1.123	0.000	2.735	0.746	2.653	2.653
Treatment Prob(F)	0.5558	0.3573	0.3697	1.0000	0.0079	0.7082	0.0096	0.0096

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School of Plant, Environmental and Soil Sciences
AESIN Competition

Experiment number	**C12-23**		
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	4/11/12		
Harvest date			
Crop/Variety	CL161		
Emergence date	4/23/12		
Uniform std. treatment	Overspray of Rice star and some Propanil		
Application type	WR		
Date applied [mm/dd/yy]	06/04/12	06/21/12	07/05/12
Time [hh:mm-hh:mm]	10:00A	8:50-9:00A	8:30-9:00A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	86	75	81
Relative humidity [%]	65	91	85
Wind [mph, direction]	3-6/SW	5-7/NNE	1/NE
Weather [sunny, etc]	pt. cloudy	sunny	pt. cloudy
Soil/Leaf surface moist	wet/dry	wet/dry	dry/dry
Crop stage/Height	18"/5-6lf	4-5till/15-20"	boot-head 30"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	15/5/15	15/5/15	15/5/15
GPA/PSI	15/24	15/24	15/24
Applied by	NDF	NDF	NDF
Weed Species (population)	---------- (height/#leaves) ----------		
AESIN(1-15m^{-2})	8-10"/10lf	36"/lots	
Flush Dates	4/24, 5/9, 5/16		
Permanent Flood	5/23		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Joitvetch Competition--Removal and Weed-free periods

Trial ID:C12-23 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-23 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type	HEIGHT	HEIGHT	AVG HT	LENGHT	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit	cm	cm	cm	ft	g/plot	%	LB	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	0	1	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8
1Nontreated	109a	108a	108a	13.3a	2208a	22.8a	4700a	5268a
2Removal at 1 WAE	104a	105a	105a	13.3a	2691a	24.4a	5608a	6286a
3Removal at 2 WAE	104a	108a	106a	13.3a	2485a	23.8a	5226a	5858a
4Removal at 3 WAE	104a	105a	104a	13.3a	1979a	24.0a	4144a	4644a
5Removal at 4 WAE	104a	102a	103a	13.3a	1728a	23.4a	3638a	4078a
6Removal at 6 WAE	102a	104a	103a	13.3a	1992a	24.2a	4168a	4672a
7Removal at 8 WAE	105a	108a	107a	13.3a	2257a	22.8a	4796a	5375a
8Removal at 10 WAE	105a	107a	106a	13.3a	2064a	23.8a	4331a	4854a
9Weed-free until 1 WAE	105a	104a	104a	13.3a	1952a	21.9a	4199a	4706a
10Weed-free until 2 WAE	106a	108a	107a	13.3a	2333a	24.1a	4892a	5483a
11Weed-free until 3 WAE	107a	107a	107a	13.3a	1918a	23.0a	4074a	4566a
12Weed-free until 4 WAE	106a	107a	107a	13.3a	2328a	23.4a	4914a	5508a
13Weed-free until 6 WAE	107a	107a	107a	13.3a	2060a	23.4a	4352a	4878a
14Weed-free	102a	104a	103a	13.3a	2476a	24.0a	5173a	5798a
LSD (P=.05)	6.7	6.5	6.1	0.00	732.6	1.64	1557.1	1745.3
Standard Deviation	4.7	4.5	4.3	0.00	512.7	1.15	1089.6	1221.3
CV	4.47	4.28	4.05	0.0	23.56	4.88	23.76	23.76
Replicate F	2.319	2.965	2.836	0.000	6.787	0.831	6.508	6.508
Replicate Prob(F)	0.0904	0.0437	0.0505	1.0000	0.0009	0.4851	0.0011	0.0011
Treatment F	0.752	0.808	0.735	0.000	1.081	1.378	1.000	1.000
Treatment Prob(F)	0.7023	0.6480	0.7189	1.0000	0.4024	0.2136	0.4696	0.4696

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

Experiment number	:	**C12-26**	
Location	:	RRS-Crowley, LA	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)	
% OM	:	1.4	
pH	:	6.4	
CEC	:	19.1	
Planting date	:	4/11/12	
Harvest date	:	8/6/12	
Crop/Variety	:	CL161	
Emergence date	:	4/23/12	
Uniform std. treatment	:	N/A	
Application type	:	EPOST	
Date applied [mm/dd/yy]	:	4/30/12	05/08/12
Time [hh:mm-hh:mm]	:	10:30-11:00A	
Incorporation equip./Depth	:	N/A	
Air/Soil temperature [F]	:	80/75	
Relative humidity [%]	:	68	
Wind [mph, direction]	:	2-7/SSE	
Weather [sunny, etc]	:	pt. cloudy	
Soil/Leaf surface moist	:	moist/dry	
Crop stage/Height	:	2-3lf/2-4"	
Sprayer type/MPH	:	CO_2BkPk/3	
Nozzle type/Size*	:	AMFF/110015	
Boom ht/# Noz/Spacing	:	18/5/15	
GPA/PSI	:	15/22	
Applied by	:	EPW	NDF
Weed Species (population)	---	(height/#leaves)--	
BRAPP(30-50m^{-2})	:	0.5-2"/1-3lf	
SEBEX(4-8m^{-2})	:	0.5-2"/cot-2lf	6"/6lf
CNPPA(2-5m^{-2})……:	:	1-2"/cot-2lf	4-6"/4-5lf
ALRPH(6-10m^{-2})	:	2-10"/20-60lf	8-10"/40-100lf
AESIN(4-8m^{-2})	:	0.5-2"/cot-2lf	
CYPES(5-10m^{-2})	:		10-12"/7-15lf
Flush Dates	:	4/11/12, 4/24/12, 5/9/12, 5/16/12,	
Permanent Flood	:	5/23/12	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 5/15/2012 CONTROL % 15 DAT 0	AESIN 5/21/2012 CONTROL % 21 DAT 0	AESIN 6/4/2012 CONTROL % 35 DAT 0	AESIN 6/18/2012 CONTROL % 49 DAT 0	AESIN 7/3/2012 CONTROL % 64 DAT 0
									1	2	3	4	5
1	Nontreated								0d	0d	0d	0a	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80b	50c	30a-d	25a	24bcd
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91ab	25bcd	0a	0d
	Halomax	75%AW/W		0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91ab	40a-d	25a	25bcd
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	82ab	10cd	0a	0d
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	67bc	30a-d	0a	15cd
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	72abc	74ab	64a	64abc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94ab	67ab	64a	74ab
	Facet	75%		0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	54c	50c	25bcd	30a	74ab
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	77abc	20bcd	25a	24bcd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	80abc	30a-d	25a	25bcd
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	74ab	40a	69abc
	League	75%		0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	84a	74a	84a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	89ab	74ab	25a	49a-d
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95ab	74ab	74a	74ab
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								AESIN	AESIN	AESIN	AESIN	AESIN
Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	92ab	64abc	49a	25bcd
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									14.0	30.2	55.2	56.3	57.6
Standard Deviation									9.8	21.2	38.6	39.4	40.3
CV									11.43	27.71	86.29	122.29	103.75
Replicate F									1.417	1.448	1.657	3.543	2.329
Replicate Prob(F)									0.2503	0.2414	0.1898	0.0218	0.0871
Treatment F									26.970	5.828	1.972	1.756	2.198
Treatment Prob(F)									0.0001	0.0001	0.0403	0.0735	0.0213

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 5/15/2012 CONTROL % 15 DAT 0	ALRPH 5/21/2012 CONTROL % 21 DAT 0	ALRPH 6/4/2012 CONTROL % 35 DAT 0	ALRPH 6/18/2012 CONTROL % 49 DAT 0	ALRPH 7/3/2012 CONTROL % 64 DAT 0
									6	7	8	9	10
1	Nontreated								0g	0f	0b	0b	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43cde	31def	0b	0b	31bcd
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3fg	0f	0b	0b	10cd
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10fg	0f	0b	0b	13cd
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20efg	10ef	5b	0b	26cd
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13fg	8ef	0b	0b	10cd
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	91ab	94a	61a	59ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	28def	61bcd	15b	5b	41abc
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	18efg	55cd	0b	0b	0d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58bc	68abc	10b	10b	0d
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95a	91a	63a	73a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10fg	5f	0b	0b	0d
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	53bcd	40cde	13b	5b	0d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75ab	55cd	10b	10b	18cd
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	71abc	98a	75a	70a
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ALRPH	ALRPH	ALRPH	ALRPH	ALRPH
	Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8fg	15ef	0b	5b	0d
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								25.6	32.9	18.3	19.8	32.0
	Standard Deviation								17.9	23.0	12.8	13.9	22.4
	CV								46.21	60.89	61.24	95.18	102.47
	Replicate F								1.057	0.265	0.237	2.300	5.998
	Replicate Prob(F)								0.3769	0.8500	0.8699	0.0900	0.0016
	Treatment F								15.377	8.498	32.812	13.985	5.298
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA 5/15/2012 CONTROL % 15 DAT 0	CNPPA 5/21/2012 CONTROL % 21 DAT 0	CNPPA 6/4/2012 CONTROL % 35 DAT 0	CNPPA 6/18/2012 CONTROL % 49 DAT 0	CNPPA 7/3/2012 CONTROL % 64 DAT 0
									11	12	13	14	15
1	Nontreated								0e	0g	0f	0f	0h
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40d	13fg	5f	5ef	34de
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80abc	66cd	40cde	20c-f	50cd
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80abc	86abc	43cd	20c-f	48cde
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	87abc	98a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68c	73bc	38de	25b-e	33def
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80abc	70bc	36de	20c-f	39de
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74bc	33ef	13ef	15def	10fgh
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40d	30ef	0f	0f	5gh
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75bc	48de	25def	15def	25efg
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	84abc	53bcd	43b	68bc
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84abc	91ab	67bc	40bc	68bc
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	84abc	45cd	35bcd	51cd
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	92ab	78ab	43b	70bc
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								CNPPA	CNPPA	CNPPA	CNPPA	CNPPA
	Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85abc	96a	75ab	40bc	77ab
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%			1% v/v		1% v/v	EPOST					
	LSD (P=.05)								19.2	22.2	27.8	22.5	23.7
	Standard Deviation								13.5	15.5	19.5	15.7	16.6
	CV								18.43	23.67	43.82	48.81	34.39
	Replicate F								2.619	1.052	3.661	7.130	9.935
	Replicate Prob(F)								0.0624	0.3791	0.0191	0.0005	0.0001
	Treatment F								14.699	16.289	10.787	13.888	13.321
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 5/15/2012 CONTROL % 15 DAT 0	CYPES 5/21/2012 CONTROL % 21 DAT 0	CYPES 6/4/2012 CONTROL % 35 DAT 0	CYPES 6/18/2012 CONTROL % 49 DAT 0	CYPES 7/3/2012 CONTROL % 64 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									16	17	18	19	20
1	Nontreated								0g	0e	0f	0g	0f
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65bc	23cd	35cd	55de	41cde
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	97ab	97a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	84a	43cd	88ab	65bc
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	52cd	34c	33de	43e	38de
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58c	58b	59bc	66cd	63bcd
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3g	0e	5f	5fg	5f
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33def	0e	0f	0g	0f
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15fg	0e	10ef	5fg	0f
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	90a	74ab	79bc	74ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	97a	83ab	95ab	95a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	42cde	5de	0f	20f	10f
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20efg	0e	10ef	20f	20ef
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91a	91a	91ab	68bc
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPES
Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92a	97a	97a	97ab	97a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									24.0	21.3	24.9	19.0	26.9
Standard Deviation									16.8	14.9	17.4	13.3	18.8
CV									28.27	30.84	37.94	24.81	39.1
Replicate F									2.630	1.397	4.626	3.545	4.164
Replicate Prob(F)									0.0616	0.2559	0.0066	0.0218	0.0110
Treatment F									19.190	34.776	20.466	35.637	16.763
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 5/15/2012 CONTROL % 15 DAT 0	CYPIR 5/21/2012 CONTROL % 21 DAT 0	CYPIR 6/4/2012 CONTROL % 35 DAT 0	CYPIR 6/18/2012 CONTROL % 49 DAT 0	CYPIR 7/3/2012 CONTROL % 64 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									21	22	23	24	25
1	Nontreated								0d	0f	0d	0e	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	70bc	77b	70bc	71a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	97a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a	78ab	83ab	68bc	74a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95ab	94a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	38bc	30de	15cd	5e	35c
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40bc	18ef	0d	0e	0d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	57b	50cd	28c	20de	20cd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	91ab	89ab	94a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95ab	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	90ab	82ab	60c	69ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30c	55c	35c	33d	39bc
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	97a
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPIR	CYPIR	CYPIR	CYPIR	CYPIR
Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									20.3	21.1	20.2	21.9	31.5
Standard Deviation									14.2	14.7	14.1	15.3	22.1
CV									18.55	20.17	20.72	23.87	32.52
Replicate F									1.932	1.304	3.953	3.536	1.600
Replicate Prob(F)									0.1380	0.2847	0.0138	0.0220	0.2027
Treatment F									20.770	19.896	29.113	26.311	11.223
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/15/2012 CONTROL % 15 DAT 0	SEBEX 5/21/2012 CONTROL % 21 DAT 0	SEBEX 6/4/2012 CONTROL % 35 DAT 0	SEBEX 6/18/2012 CONTROL % 49 DAT 0	SEBEX 7/3/2012 CONTROL % 64 DAT 0
									26	27	28	29	30
1	Nontreated								0f	0d	0c	0d	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	83a	63b	70b	76a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	90a	73ab	79ab	81a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	88a	60b	74ab	80a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68d	63b	10c	25c	20bc
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90abc	86a	60b	74ab	78a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	82a	55b	75ab	85a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85bc	85a	60b	85ab	85a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40e	35c	0c	29c	33b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	81a	63b	81ab	85a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	91a	80ab	89ab	89a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81c	90a	55b	74ab	85a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	96a	96a	96a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92abc	92a	76ab	85ab	90a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95a	79ab	80ab	74a
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	90a	61b	71b	76a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									12.3	17.7	26.7	22.8	24.3
Standard Deviation									8.6	12.4	18.7	15.9	17.0
CV									10.56	15.86	33.68	23.5	24.09
Replicate F									0.408	1.535	1.529	2.305	1.072
Replicate Prob(F)									0.7482	0.2183	0.2200	0.0895	0.3707
Treatment F									37.193	17.222	9.048	10.896	10.541
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/15/2012 INJURY % 15 DAT 0	RICE 5/21/2012 INJURY % 21 DAT 0	RICE 6/4/2012 INJURY % 35 DAT 0	RICE 6/18/2012 INJURY % 49 DAT 0	RICE 7/3/2012 INJURY % 64 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0
									31	32	33	34	35	36
1	Nontreated								0b	0c	0b	0a	0a	108b-e
	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	110a-e
	Propanil		4LBA/GAL	3	lb ai/a	3	qt/a	EPOST						
3	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	113abc
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
4	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	109a-e
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
5	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	118ab
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
6	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	109a-e
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
7	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	5bc	0b	0a	0a	111a-d
	Grasp		2LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
8	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	102ef
	Facet	75%		0.4	lb ai/a	0.533	lb/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
9	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	93f
	Grandstand		3LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
10	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	103de
	Aim		2LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
	COC	100%		1%	v/v	1%	v/v	EPOST						
11	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	110a-e
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
12	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	111a-d
	League	75%		0.14	lb ai/a	3	oz wt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
13	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15a	30a	33a	0a	0a	108cde
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	MSO	100%		1%	v/v	19.2	fl oz/a	EPOST						
14	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	111a-e
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	EPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST						
15	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1b	10b	0b	0a	0a	119a
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST						
	COC	100%		1%	v/v	1%	v/v	EPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
Rating Date								5/15/2012	5/21/2012	6/4/2012	6/18/2012	7/3/2012	8/6/2012
Rating Type								INJURY	INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit								%	%	%	%	%	cm
Trt-Eval Interval								15 DAT	21 DAT	35 DAT	49 DAT	64 DAT	HARVEST
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35	36
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0c	0b	0a	0a	116abc
	Strada Pro					2.08	oz/a	EPOST						
	COC	100%		1% v/v		1% v/v		EPOST						
LSD (P=.05)									2.2	5.4	5.4	0.0	0.0	9.7
Standard Deviation									1.6	3.7	3.8	0.0	0.0	6.8
CV									152.68	133.17	184.62	0.0	0.0	6.2
Replicate F									1.462	1.634	1.000	0.000	0.000	1.030
Replicate Prob(F)									0.2376	0.1949	0.4016	1.0000	1.0000	0.3882
Treatment F									23.296	17.079	18.778	0.000	0.000	3.447
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	1.0000	0.0007

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	37	38	39	40	41
	Pest Code								RICE	RICE			
	Rating Date								8/6/2012	8/6/2012			
	Rating Type								HEIGHT	AVG HT			
	Rating Unit								cm	cm			
	Trt-Eval Interval								HARVEST	HARVEST			
	Number of Decimals								0	0			
1	Nontreated								106de	107de			
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111b-e	111a-e			
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111b-e	112a-d			
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111b-e	110b-e			
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	121a	119a			
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	112b-e	110b-e			
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	113a-d	112a-d			
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104e	103e			
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94f	94f			
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108cde	105de			
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111b-e	110cde			
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	110cde	111b-e			
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107de	107de			
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	109cde	110cde			
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	119ab	119ab			
	Grasp Xtra	1.75	LBA/GAL	0.3	lb ai/a	22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:C12-26 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-26 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	37	38	39	40	41
	Pest Code								RICE	RICE			
	Rating Date								8/6/2012	8/6/2012			
	Rating Type								HEIGHT	AVG HT			
	Rating Unit								cm	cm			
	Trt-Eval Interval								HARVEST	HARVEST			
	Number of Decimals								0	0			
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	116abc	116abc			
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									8.7	8.7	.	.	.
Standard Deviation									6.1	6.1	.	.	.
CV									5.56	5.52	.	.	.
Replicate F									2.821	1.784			
Replicate Prob(F)									0.0495	0.1639			
Treatment F									4.075	4.130			
Treatment Prob(F)									0.0001	0.0001			

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch - MPOST

Experiment number	:	**C12-27**
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	:	4/11/12
Harvest date	:	8/6/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:		MPOST
Date applied [mm/dd/yy]	:	05/08/12	05/09/12
Time [hh:mm-hh:mm]	:		8:00-8:30A
Incorporation equip./Depth	:		N/A
Air/Soil temperature [F]	:		70/76
Relative humidity [%]	:		96
Wind [mph, direction]	:		3-5/N
Weather [sunny, etc]	:		cloudy
Soil/Leaf surface moist	:		wet/dry
Crop stage/Height	:		3-4/4-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	NDF	EPW

Weed Species (population)	:---	(height/#leaves) ---	
CYPES(10-20m^{-2})	:	8-14"/7-15lf	3-8"/6-15lf
AESIN(10-20m^{-2})	:	2"/2lf	2-4"/3-5lf
SEBEX(25-40m^{-2})	:	4"/3-4lf	2-4"/3-5lf
CNPPA(5-10m^{-2})	:	4-6"/5lf	2-4"/3-5lf
ALRPH(5-10m^{-2})	:		5-12"/7-15lf
CYPIR(150-200m^{-2})	:		1-1.5"/1-3lf

Flush Dates	:	4/12/12, 4/24/12, 5/9/12, 5/16/12
Permanent Flood	:	5/23/12

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	AESIN
Rating Date									5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0f	0c	0c	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90bc	98a	93a	98a	71b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86cd	98a	98a	98a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	94a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80d	97a	74b	59b	59b
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15e	10b	0c	25c	0c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	74ab	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95a	84ab	96a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								AESIN	AESIN	AESIN	AESIN	AESIN
	Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								7.7	4.2	18.0	32.9	23.5
	Standard Deviation								5.4	2.9	12.6	23.0	16.4
	CV								6.42	3.39	15.08	28.04	20.15
	Replicate F								0.668	0.844	0.814	0.126	1.872
	Replicate Prob(F)								0.5761	0.4769	0.4930	0.9444	0.1479
	Treatment F								127.560	472.699	27.754	6.703	16.934
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 5/15/2012 CONTROL % 6 DAT 0	ALRPH 5/22/2012 CONTROL % 13 DAT 0	ALRPH 6/4/2012 CONTROL % 26 DAT 0	ALRPH 6/18/2012 CONTROL % 40 DAT 0	ALRPH 7/3/2012 CONTROL % 55 DAT 0
									6	7	8	9	10
1	Nontreated								0h	0g	0c	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	18fgh	34ef	0c	0c	10c
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0h	56cde	0c	5c	5c
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	33efg	70a-d	0c	0c	5c
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25e-h	64bcd	0c	15c	0c
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40def	55cde	0c	0c	10c
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80abc	98a	98a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10gh	58cde	0c	0c	58b
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0h	10fg	0c	0c	0c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86ab	74abc	0c	0c	0c
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66bcd	93a	87a	55b	90a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10gh	43de	0c	0c	0c
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	90ab	50b	5c	20c
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	92ab	10c	0c	21c
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	97a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								ALRPH	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	53cde	74abc	0c	8c	18c
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									29.4	29.0	14.6	18.5	27.4
Standard Deviation									20.6	20.3	10.2	13.0	19.2
CV									46.57	32.22	47.68	73.36	71.17
Replicate F									0.937	8.105	1.681	1.030	0.121
Replicate Prob(F)									0.4307	0.0002	0.1846	0.3885	0.9475
Treatment F									13.233	8.685	56.216	27.643	14.663
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CNPPA	CNPPA	CNPPA	CNPPA	CNPPA
Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	0d	0f	0d	0e
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	86a	33ef	25cd	73abc
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77ab	72ab	50cde	60abc	81ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79ab	76ab	45de	55abc	78ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	95a	98a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30cde	77ab	74a-d	59abc	87ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	62a-d	95a	60b-e	67abc	87ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30de	50bc	25ef	25cd	45cd
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35cde	30cd	0f	25cd	25de
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	82ab	59b-e	35bcd	67bc
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	67abc	72ab	89ab	83a	97a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60bcd	50bc	98a	98a	97a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	89a	84abc	59abc	78ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	96a	90ab	72ab	95ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CNPPA	CNPPA	CNPPA	CNPPA	CNPPA
Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79ab	93a	98a	87a	97a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									36.9	34.3	36.7	45.8	29.7
Standard Deviation									25.8	24.0	25.7	32.1	20.8
CV									38.38	33.19	41.2	54.41	27.72
Replicate F									1.433	1.070	2.805	1.160	5.059
Replicate Prob(F)									0.2457	0.3713	0.0504	0.3355	0.0042
Treatment F									5.361	5.257	7.164	3.569	7.667
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0005	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 5/15/2012 CONTROL % 6 DAT 0	CYPES 5/22/2012 CONTROL % 13 DAT 0	CYPES 6/4/2012 CONTROL % 26 DAT 0	CYPES 6/18/2012 CONTROL % 40 DAT 0	CYPES 7/3/2012 CONTROL % 55 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									16	17	18	19	20
1	Nontreated								0e	0g	0d	0d	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76a	68a	60b	75b	84ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	23cd	63ab	97a	98a	98a
	Halomax	75%AW/W		0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	13cde	58abc	94a	98a	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5de	58abc	47bc	74b	86ab
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	53a-d	38c	48c	69b
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	45bcd	30c	53c	76b
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	10g	0d	15d	26c
	Facet	75%		0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	0g	0d	0d	0d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	28bc	15fg	0d	0d	5d
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15cde	53a-d	60b	50c	71b
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10cde	35def	94a	92a	97a
	League	75%		0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73a	40cde	0d	5d	18cd
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	47b	20efg	0d	8d	18cd
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8cde	55a-d	97a	95a	97a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPES
Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	28bc	60abc	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									21.8	20.9	21.5	15.2	20.6
Standard Deviation									15.2	14.6	15.1	10.6	14.4
CV									75.37	37.12	33.72	21.09	24.46
Replicate F									0.506	2.555	1.631	1.162	1.313
Replicate Prob(F)									0.6804	0.0671	0.1956	0.3348	0.2817
Treatment F									10.729	9.964	30.465	57.577	30.650
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 5/15/2012 CONTROL % 6 DAT 0	CYPIR 5/22/2012 CONTROL % 13 DAT 0	CYPIR 6/4/2012 CONTROL % 26 DAT 0	CYPIR 6/18/2012 CONTROL % 40 DAT 0	CYPIR 7/3/2012 CONTROL % 55 DAT 0
									21	22	23	24	25
1	Nontreated								0d	0d	0d	0d	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79abc	98a	95a	97a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	92a	96a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	98a	94a	95a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	62c	94a	68bc	75abc	74b
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	20c	13d	0d	0c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77bc	75b	56c	48c	64b
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	98a	78ab	95ab	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	96a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	86ab	95a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94a	78ab	69bc	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPIR	CYPIR	CYPIR	CYPIR	CYPIR
Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									20.9	16.2	20.8	26.3	23.3
Standard Deviation									14.6	11.4	14.5	18.4	16.3
CV									18.35	13.36	18.67	23.46	19.88
Replicate F									1.506	1.788	1.208	0.615	2.046
Replicate Prob(F)									0.2259	0.1630	0.3177	0.6086	0.1209
Treatment F									20.061	28.073	17.827	13.388	16.928
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/15/2012 CONTROL % 6 DAT 0	SEBEX 5/22/2012 CONTROL % 13 DAT 0	SEBEX 6/4/2012 CONTROL % 26 DAT 0	SEBEX 6/18/2012 CONTROL % 40 DAT 0	SEBEX 7/3/2012 CONTROL % 55 DAT 0
1	Nontreated								0e	0c	0b	0b	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	98a	98a	97a	97a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93ab	98a	97a	97a	97a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90b	98a	97a	97a	97a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	78c	98a	98a	98a	98a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15d	10b	0b	25b	13b
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	74a	98a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90b	98a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/15/2012 CONTROL % 6 DAT 0	SEBEX 5/22/2012 CONTROL % 13 DAT 0	SEBEX 6/4/2012 CONTROL % 26 DAT 0	SEBEX 6/18/2012 CONTROL % 40 DAT 0	SEBEX 7/3/2012 CONTROL % 55 DAT 0
									26	27	28	29	30
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									6.3	4.1	0.8	25.6	9.0
Standard Deviation									4.4	2.9	0.5	17.9	6.3
CV									5.28	3.34	0.63	20.91	7.28
Replicate F									1.591	1.000	0.652	0.000	0.997
Replicate Prob(F)									0.2047	0.4016	0.5858	1.0000	0.4027
Treatment F									188.253	485.944	15555.929	10.940	99.441
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/15/2012 INJURY % 6 DAT 0	RICE 5/22/2012 INJURY % 13 DAT 0	RICE 6/4/2012 INJURY % 26 DAT 0	RICE 6/18/2012 INJURY % 40 DAT 0	RICE 7/3/2012 INJURY % 55 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0
									31	32	33	34	35	36
1	Nontreated								0c	0b	0b	0a	0a	103a
	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	108a
	Propanil		4LBA/GAL	3	lb ai/a	3	qt/a	MPOST						
3	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	103a
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
4	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	108a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
5	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	107a
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
6	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	104a
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
7	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	106a
	Grasp		2LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
8	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	103a
	Facet	75%		0.4	lb ai/a	0.533	lb/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
9	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	94a
	Grandstand		3LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
10	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5b	0b	0b	0a	0a	103a
	Aim		2LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST						
	COC	100%		1%	v/v	1%	v/v	MPOST						
11	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	105a
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	MPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST						
12	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	107a
	League	75%		0.14	lb ai/a	3	oz wt/a	MPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	MPOST						
13	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65a	45a	25a	0a	0a	103a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	MSO	100%		1%	v/v	19.2	fl oz/a	MPOST						
14	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	105a
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	MPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST						
15	Command		3LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	104a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST						
	COC	100%		1%	v/v	1%	v/v	MPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35	36
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								5/15/2012	5/22/2012	6/4/2012	6/18/2012	7/3/2012	8/6/2012
	Rating Type								INJURY	INJURY	INJURY	INJURY	INJURY	HEIGHT
	Rating Unit								%	%	%	%	%	cm
	Trt-Eval Interval								6 DAT	13 DAT	26 DAT	40 DAT	55 DAT	HARVEST
	Number of Decimals								0	0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	0b	0b	0a	0a	102a
	Strada Pro					2.08	oz/a	MPOST						
	COC	100%		1%	v/v	1%	v/v	MPOST						
	LSD (P=.05)								3.6	8.5	8.5	0.0	0.0	8.4
	Standard Deviation								2.5	6.0	6.0	0.0	0.0	5.9
	CV								57.14	211.6	380.88	0.0	0.0	5.67
	Replicate F								1.000	1.000	1.000	0.000	0.000	1.257
	Replicate Prob(F)								0.4016	0.4016	0.4016	1.0000	1.0000	0.3006
	Treatment F								168.267	14.294	4.412	0.000	0.000	1.350
	Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	1.0000	0.2142

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 HEIGHT cm HARVEST 0 37	RICE 8/6/2012 AVG HT cm HARVEST 0 38	RICE 8/6/2012 LENGTH ft HARVEST 1 39	RICE 8/6/2012 WEIGHT g/plot HARVEST 0 40	RICE 8/6/2012 MOISTURE % HARVEST 1 41
1	Nontreated								103a	103a	13.3a	906a	21.6a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108a	108a	13.3a	2842a	21.3a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104a	103a	13.3a	2705a	21.8a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	107a	13.3a	2909a	20.1a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	104a	105a	13.3a	2924a	21.4a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	104a	13.3a	2838a	22.7a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	106a	13.3a	2200a	20.4a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	105a	13.3a	1901a	20.5a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	94a	13.3a	1405a	21.4a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	104a	13.3a	1253a	21.7a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	105a	13.3a	2222a	21.9a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	109a	108a	13.3a	2644a	22.0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	101a	102a	13.3a	1297a	22.8a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	105a	105a	13.3a	1989a	23.9a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	106a	13.3a	2659a	22.8a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	37	38	39	40	41
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								8/6/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
	Rating Type								HEIGHT	AVG HT	LENGTH	WEIGHT	MOISTURE
	Rating Unit								cm	cm	ft	g/plot	%
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	1	0	1
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	102a	102a	13.3a	8084a	21.2a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
	LSD (P=.05)								8.4	7.8	0.00	4345.6	3.36
	Standard Deviation								5.9	5.5	0.00	3040.9	2.35
	CV								5.66	5.27	0.0	119.32	10.85
	Replicate F								0.409	0.878	0.000	0.999	0.726
	Replicate Prob(F)								0.7470	0.4597	1.0000	0.4032	0.5424
	Treatment F								1.340	1.443	0.000	1.134	0.699
	Treatment Prob(F)								0.2194	0.1694	1.0000	0.3597	0.7698

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 YIELD LB HARVEST 0	RICE 8/6/2012 YIELD KG/HA HARVEST 0
	Pest Code									
	Rating Date								8/6/2012	8/6/2012
	Rating Type								YIELD	YIELD
	Rating Unit								LB	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	Nontreated								1939a	2174a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6139a	6881a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST		
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5795a	6495a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6359a	7128a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6305a	7067a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6050a	6781a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4792a	5371a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4135a	4634a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2990a	3351a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2673a	2996a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST		
	COC	100	%	1	% v/v	1	% v/v	MPOST		
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4724a	5295a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST		
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5671a	6356a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST		
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST		
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2768a	3102a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST		
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST		
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4147a	4648a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST		
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST		
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5627a	6307a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST		
	COC	100	%	1	% v/v	1	% v/v	MPOST		

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:C12-27 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-27 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 YIELD LB HARVEST 0 (42)	RICE 8/6/2012 YIELD KG/HA HARVEST 0 (43)
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	17819a	19973a
	Strada Pro					2.08	oz/a	MPOST		
	COC	100%		1% v/v		1% v/v		MPOST		
LSD (P=.05)									9685.8	10856.2
Standard Deviation									6777.7	7596.7
CV									123.33	123.33
Replicate F									1.013	1.013
Replicate Prob(F)									0.3971	0.3971
Treatment F									1.122	1.122
Treatment Prob(F)									0.3695	0.3695

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbainia and Indian Jointvetch - LPOST

Experiment number	:	**C12-28**
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	:	4/11/12
Harvest date	:	8/6/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:		LPOST
Date applied [mm/dd/yy]	:	05/08/12	05/14/12
Time [hh:mm-hh:mm]	:		3:00-3:15P
Incorporation equip./Depth	:		N/A
Air/Soil temperature [F]	:		84
Relative humidity [%]	:		37
Wind [mph, direction]	:		5-7/N
Weather [sunny, etc]	:		sunny
Soil/Leaf surface moist	:		wet/dry
Crop stage/Height	:		4-5/10"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	NDF	NDF

Weed Species (population)	:--	(height/#leaves) --	
SEBEX(2-3m^{-2})	:	6"/6lf	6-8"/6-10lf
AESIN(0-1m^{-2})	:		4"/3-4lf
BRAPP(5-10m^{-2})……:…	:		12-14"/100+lf
CNPPA(5-10m^{-2})	:	4-6"/4-5lf	6-8"/6-10lf
CYPES(5-10m^{-2})	:	10-12"/7-15lf	14-16"/7-15lf
CYPIR(1000-2000m^{-2})	:		4"/4lf
ALRPH(5-10m^{-2})	:	8-10"/40-100lf	

Flush Dates	:	4/12/12, 4/24/12, 5/9/12, 5/16/12
Permanent Flood	:	5/23/12

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									AESIN	AESIN	AESIN	AESIN	ALRPH
Rating Date									5/30/2012	6/5/2012	6/18/2012	7/3/2012	5/30/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									16 DAT	22 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0d	0e	0c	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	89a	0c
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	84ab	84a	35b
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	78ab	40cde	40bc	10bc
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	56c	45bc	25de	64ab	35b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	96a	20bc
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	74ab	98a	98a	72a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69bc	74ab	49bcd	64ab	25bc
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	53c	15cd	0e	74ab	84a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	64ab	0c
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	98a	70a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	25bc
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	95a	74abc	84a	15bc
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	74ab	91a	98a	35b
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	89ab	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								AESIN	AESIN	AESIN	AESIN	ALRPH
Rating Date								5/30/2012	6/5/2012	6/18/2012	7/3/2012	5/30/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	22 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	89ab	96a	20bc
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									24.6	36.3	40.5	42.1	33.5
Standard Deviation									17.2	25.4	28.3	29.5	23.5
CV									20.63	32.88	40.28	37.95	69.07
Replicate F									0.782	0.483	0.035	0.221	0.236
Replicate Prob(F)									0.5101	0.6958	0.9909	0.8815	0.8705
Treatment F									9.886	6.069	6.392	3.374	6.925
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0008	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 6/5/2012 CONTROL % 22 DAT 0	ALRPH 6/18/2012 CONTROL % 35 DAT 0	ALRPH 7/3/2012 CONTROL % 50 DAT 0	CNPPA 5/30/2012 CONTROL % 16 DAT 0	CNPPA 6/5/2012 CONTROL % 22 DAT 0
									6	7	8	9	10
1	Nontreated								0d	0c	0d	0g	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0c	0d	5g	10e
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20d	5c	0d	64bcd	60cd
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0c	0d	55cde	59cd
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15d	0c	0d	79ab	96a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0c	0d	76ab	75bc
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	72b	88ab	63b-e	48d
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90abc	0c	45c	25f	50d
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	0c	67bc	15fg	0e
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25d	0c	5d	0g	20e
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63c	0c	10d	55cde	50d
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0c	0d	49de	93ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0c	0d	91a	94ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70bc	0c	5d	45e	53d
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	94a	69bc	74bc
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								ALRPH	ALRPH	ALRPH	CNPPA	CNPPA
Rating Date								6/5/2012	6/18/2012	7/3/2012	5/30/2012	6/5/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								22 DAT	35 DAT	50 DAT	16 DAT	22 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10d	0c	0d	73bc	78abc
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									28.0	17.4	23.2	18.0	20.0
Standard Deviation									19.6	12.2	16.3	12.6	14.0
CV									53.64	112.19	82.91	26.43	26.16
Replicate F									0.103	1.091	2.618	6.412	6.643
Replicate Prob(F)									0.9576	0.3625	0.0624	0.0010	0.0008
Treatment F									16.983	22.830	17.241	22.313	20.705
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								CNPPA	CNPPA	CYPES	CYPES	CYPES
	Rating Date								6/18/2012	7/3/2012	5/30/2012	6/5/2012	6/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								35 DAT	50 DAT	16 DAT	22 DAT	35 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0e	0f	0d	0e	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	10ef	74a	30cd	58b
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10de	40cd	83a	92a	98a
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20cde	30de	79a	91a	98a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74a	98a	65ab	15de	40c
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35cd	45cd	45bc	0e	10d
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	28de	53b	21d	61b
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10de	25def	0d	0e	0d
	Facet	75%		0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	0f	25c	0e	0d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	5ef	0d	0e	0d
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15de	28de	63ab	48bc	53bc
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48abc	59bc	77a	83a	67b
	League	75%		0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69ab	87a	28c	0e	13d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15de	38cd	0d	0e	0d
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25cde	45cd	63ab	60b	60b
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CNPPA	CNPPA	CYPES	CYPES	CYPES
Rating Date								6/18/2012	7/3/2012	5/30/2012	6/5/2012	6/18/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								35 DAT	50 DAT	16 DAT	22 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40bcd	75ab	79a	88a	98a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									30.9	26.9	20.7	20.0	14.5
Standard Deviation									21.6	18.8	14.5	14.0	10.1
CV									96.34	49.34	31.65	42.51	24.8
Replicate F									1.922	2.980	3.053	1.278	1.159
Replicate Prob(F)									0.1395	0.0413	0.0380	0.2932	0.3360
Treatment F									5.013	9.833	19.652	29.030	56.397
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 7/3/2012 CONTROL % 50 DAT 0	CYPIR 5/30/2012 CONTROL % 16 DAT 0	CYPIR 6/5/2012 CONTROL % 22 DAT 0	CYPIR 6/18/2012 CONTROL % 35 DAT 0	CYPIR 7/3/2012 CONTROL % 50 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									16	17	18	19	20
1	Nontreated								0e	0f	0e	0d	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77abc	74d	81b	73b	70bc
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	53cd	92ab	92a	94a	96a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	28de	80cd	63c	61b	52c
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66bc	98a	91a	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10e	0f	0e	0d	10d
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15e	58e	35d	0d	15d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20e	0f	0e	0d	20d
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71abc	93ab	91a	90a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60bc	95a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10e	85bc	79b	28c	25d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10e	0f	0e	0d	10d
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	97a	97a	96a	95ab
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPIR	CYPIR	CYPIR	CYPIR
Rating Date								7/3/2012	5/30/2012	6/5/2012	6/18/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								50 DAT	16 DAT	22 DAT	35 DAT	50 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
LSD (P=.05)									28.5	8.7	8.1	12.6	25.7
Standard Deviation									20.0	6.1	5.6	8.8	18.0
CV									40.07	9.14	8.85	15.14	29.34
Replicate F									0.600	1.858	0.919	0.809	0.522
Replicate Prob(F)									0.6186	0.1503	0.4393	0.4954	0.6693
Treatment F									13.073	182.921	215.051	102.170	20.408
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/30/2012 CONTROL % 16 DAT 0	SEBEX 6/5/2012 CONTROL % 22 DAT 0	SEBEX 6/18/2012 CONTROL % 35 DAT 0	SEBEX 7/3/2012 CONTROL % 50 DAT 0	RICE 5/30/2012 INJURY % 16 DAT 0	RICE 6/5/2012 INJURY % 22 DAT 0
									21	22	23	24	25	26
1	Nontreated								0e	0d	0c	0d	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	97ab	97a	96ab	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	98a	98a	98a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74c	81c	86b	84b	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86b	95ab	97a	97a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	76c	81b	83b	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	87ab	98a	98a	98a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	49d	5d	0c	25c	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST						
	COC	100	%	1	% v/v	1	% v/v	LPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	97ab	97a	97a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	97ab	98a	98a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST						
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	86bc	84b	90ab	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST						
	COC	100	%	1	% v/v	1	% v/v	LPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	RICE	RICE
Rating Date								5/30/2012	6/5/2012	6/18/2012	7/3/2012	5/30/2012	6/5/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								16 DAT	22 DAT	35 DAT	50 DAT	16 DAT	22 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25	26
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	98a	98a	98a	0a	0a
	Strada Pro					2.08	oz/a	LPOST						
	COC	100%		1%	v/v	1%	v/v	LPOST						
LSD (P=.05)									11.2	11.5	10.2	13.2	0.0	0.0
Standard Deviation									7.8	8.0	7.1	9.2	0.0	0.0
CV									9.27	9.73	8.58	10.9	0.0	0.0
Replicate F									0.155	1.124	1.614	0.165	0.000	0.000
Replicate Prob(F)									0.9261	0.3495	0.1995	0.9193	1.0000	1.0000
Treatment F									43.743	63.388	85.228	39.411	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/18/2012 INJURY % 35 DAT 0	RICE 7/3/2012 INJURY % 50 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/6/2012 LENGTH ft HARVEST 1
1	Nontreated								0a	0a	97bc	94cd	95bc	14.4a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	106a	103ab	104a	14.4a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	107a	103ab	105a	14.4a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	104ab	103ab	104a	14.4a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	103abc	104ab	103ab	14.4a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	102abc	102abc	102ab	14.4a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	108a	105ab	106a	14.4a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	88de	88d	88cd	14.4a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	104ab	102abc	103ab	14.4a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	85e	87d	86d	14.4a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST						
	COC	100	%	1	% v/v	1	% v/v	LPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	103ab	104ab	104a	14.4a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	106a	106a	106a	14.4a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	106a	101abc	103ab	14.4a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST						
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	94cd	96bc	95bc	14.4a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	103ab	105a	104a	14.4a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST						
	COC	100	%	1	% v/v	1	% v/v	LPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
Rating Date								6/18/2012	7/3/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type								INJURY	INJURY	HEIGHT	HEIGHT	AVG HT	LENGTH
Rating Unit								%	%	cm	cm	cm	ft
Trt-Eval Interval								35 DAT	50 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0	1
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	27	28	29	30	31	32
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	0a	104ab	105a	104a	14.4a
	Strada Pro					2.08	oz/a	LPOST						
	COC	100%		1%	v/v	1%	v/v	LPOST						
LSD (P=.05)									0.0	0.0	8.6	8.4	8.0	0.00
Standard Deviation									0.0	0.0	6.0	5.9	5.6	0.00
CV									0.0	0.0	5.93	5.87	5.53	0.0
Replicate F									0.000	0.000	8.710	3.448	6.600	0.000
Replicate Prob(F)									1.0000	1.0000	0.0001	0.0243	0.0009	1.0000
Treatment F									0.000	0.000	5.194	4.032	5.086	0.000
Treatment Prob(F)									1.0000	1.0000	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 WEIGHT g/plot HARVEST 0	RICE 8/6/2012 MOISTURE % HARVEST 1	RICE 8/6/2012 YIELD LB HARVEST 0	RICE 8/6/2012 YIELD KG/HA HARVEST 0
									33	34	35	36
1	Nontreated											
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1960a	23.0a	3826a	4289a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2231a	23.2a	4329a	4852a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2167a	24.3a	4156a	4658a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1972a	22.7a	3859a	4325a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1779ab	23.3a	3444ab	3860ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1818ab	24.0a	3508ab	3932ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	477d	24.1a	929d	1042d
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1325bc	22.6a	2583bc	2895bc
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1045cd	23.5a	2029cd	2274cd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST				
	COC	100	%	1	% v/v	1	% v/v	LPOST				
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1982a	22.8a	3871a	4338a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST				
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2086a	23.3a	4033a	4521a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST				
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1999a	23.7a	3855a	4321a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST				
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST				
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1297bc	23.4a	2511bc	2815bc
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST				
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2061a	22.8a	4027a	4514a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST				
	COC	100	%	1	% v/v	1	% v/v	LPOST				

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:C12-28 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-28 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type								WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								g/plot	%	LB	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	1	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	33	34	35	36
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	2203a	22.8a	4283a	4800a
	Strada Pro					2.08	oz/a	LPOST				
	COC	100%		1%	v/v	1%	v/v	LPOST				
LSD (P=.05)									621.1	2.21	1227.3	1375.6
Standard Deviation									434.6	1.54	858.8	962.6
CV									24.69	6.63	25.14	25.14
Replicate F									0.916	1.579	0.958	0.958
Replicate Prob(F)									0.4427	0.2107	0.4227	0.4227
Treatment F									5.348	0.476	5.144	5.144
Treatment Prob(F)									0.0001	0.9316	0.0001	0.0001

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School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch - Salvage

Experiment number..... : **C12-29**
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 ..... : 4/11/12
Harvest date..... : 8/6/12
Crop/Variety ..... : CL161
Emergence date..... : 4/23/12
Uniform std. treatment ..... : N/A

Application type..... :		Salvage	Salvage
Date applied [mm/dd/yy] ..... :	05/08/12	06/04/12	06/04/12
Time [hh:mm-hh:mm]..... :		8:00-8:30A	9:35A
Incorporation equip./Depth ..... :	N/A	N/A	N/A
Air/Soil temperature [F] ..... :	70	70/76	86
Relative humidity [%] ..... :	66	96	65
Wind [mph, direction] ..... :	2/N	3-5/N	3-6/SW
Weather [sunny, etc] ..... :		cloudy	pt. cloudy
Soil/Leaf surface moist ..... :		wet/dry	wet/dry
Crop stage/Height ..... :	3-4lf/6-8"	3-4/4-6"	18"/5-6lf
Sprayer type/MPH..... :	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*..... :	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing ..... :	18/5/15	18/5/15	18/5/15
GPA/PSI..... :	15/24	15/24	15/24
Applied by ..... :	NDF	NDF	NDF
Weed Species (population)..... :---------- (height/#leaves) ----------			
CYPES(10-20m^{-2}) ..... :	8-14"/7-15lf	10-12"/12-18lf	24-26"/7-15lf
AESIN(10-20m^{-2}) ..... :	4"/5lf	6-10"/7-12lf	18"/18lf
SEBEX(25-40m^{-2})……..:.. :	4"/4lf	12-15"/12-18lf	20-24"/20lf
CNPPA(5-10m^{-2})..... :	6"/3-5lf	6-8"/7-10lf	18-20"/15lf
ALRPH(5-10m^{-2}) ..... :	8-10"/100-200lf	10-15"/12-20lf	18-20"/100lf
CYPIR(150-200m^{-2}) ..... :		7-10/3-9lf	20-24"/7-15lf

Flush Dates..... : 4/12/12, 4/24/12, 5/9/12, 5/16/12
Permanent Flood ..... : 5/23/12

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								AESIN	AESIN	AESIN	ALRPH	ALRPH
	Rating Date								6/20/2012	7/3/2012	7/17/2012	6/20/2012	7/3/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	29 DAT	43 DAT	16 DAT	29 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0d	0d	0d	0d	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	96a	89ab	0d	81ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89ab	79ab	66abc	0d	0e
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64abc	77ab	71abc	5d	33cd
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	45c	48bc	64abc	8d	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75abc	74ab	77abc	0d	25de
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	98a	98a	87a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	49bc	45c	13d	59bc
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74abc	98a	89ab	96a	98a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	59bc	28cd	58bc	23cd	20de
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	97a	75ab	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82ab	84ab	77abc	0d	0e
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	98a	89ab	52bc	90ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79abc	59abc	45c	67ab	79ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								AESIN	AESIN	AESIN	ALRPH	ALRPH
Rating Date								6/20/2012	7/3/2012	7/17/2012	6/20/2012	7/3/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	29 DAT	43 DAT	16 DAT	29 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91ab	98a	95ab	0d	15de
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									34.8	40.4	37.5	31.7	31.5
Standard Deviation									24.4	28.2	26.2	22.2	22.0
CV									32.74	38.3	36.32	67.96	39.57
Replicate F									1.299	0.291	2.951	3.282	0.082
Replicate Prob(F)									0.2865	0.8319	0.0426	0.0293	0.9693
Treatment F									3.940	4.430	4.022	12.392	13.739
Treatment Prob(F)									0.0002	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 7/17/2012 CONTROL % 43 DAT 0	CNPPA 6/20/2012 CONTROL % 16 DAT 0	CNPPA 7/3/2012 CONTROL % 29 DAT 0	CNPPA 7/17/2012 CONTROL % 43 DAT 0	CYPES 6/20/2012 CONTROL % 16 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
1	Nontreated								0c	0f	0i	0f	0c
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63b	15ef	33efg	20def	85a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	40bcd	30e-h	20def	48b
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25c	40bcd	25f-i	20def	48b
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	67b	55b	81ab	53bc	45b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20c	48bc	54cde	30cde	38b
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82ab	30de	20ghi	0f	43b
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84ab	0f	15ghi	13def	0c
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94a	96a	87a	18c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82ab	5f	0i	0f	0c
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	43bcd	66bcd	30cde	53b
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	35cd	20ghi	10ef	48b
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77ab	40bcd	50def	34cd	13c
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	0f	5hi	18def	0c
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	81a	78abc	58b	45b
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH	CNPPA	CNPPA	CNPPA	CYPES
	Pest Code								ALRPH	CNPPA	CNPPA	CNPPA	CYPES
	Rating Date								7/17/2012	6/20/2012	7/3/2012	7/17/2012	6/20/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								43 DAT	16 DAT	29 DAT	43 DAT	16 DAT
	Number of Decimals								0	0	0	0	0
									6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5c	35cd	48def	33cde	55b
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
	LSD (P=.05)								26.6	16.1	25.4	23.3	18.0
	Standard Deviation								18.6	11.2	17.8	16.3	12.6
	CV								33.32	32.15	45.81	61.63	37.68
	Replicate F								0.878	0.843	2.366	5.647	2.638
	Replicate Prob(F)								0.4597	0.4777	0.0834	0.0023	0.0610
	Treatment F								18.427	23.715	11.423	8.180	16.144
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 7/3/2012 CONTROL % 29 DAT 0	CYPES 7/17/2012 CONTROL % 43 DAT 0	CYPIR 6/20/2012 CONTROL % 16 DAT 0	CYPIR 7/3/2012 CONTROL % 29 DAT 0	CYPIR 7/17/2012 CONTROL % 43 DAT 0
	Pest Code												
	Rating Date								7/3/2012	7/17/2012	6/20/2012	7/3/2012	7/17/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								29 DAT	43 DAT	16 DAT	29 DAT	43 DAT
	Number of Decimals								0	0	0	0	0
									11	12	13	14	15
1	Nontreated								0d	0d	0d	0f	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	88a	94a	96a	98a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83ab	91a	53bc	97a	97a
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83ab	93a	48bc	89abc	96a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73b	33bc	50bc	84a-d	62abc
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	46c	28bc	62b	55cde	49bcd
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	45c	30bc	50bc	50de	49bcd
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0d	0d	30ef	0e
	Facet	75%		0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35c	10cd	30c	45e	25cde
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0d	0d	35ef	0e
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	83a	53bc	94ab	87ab
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76ab	48b	72ab	96a	80ab
	League	75%		0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0d	94a	96a	15de
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	25bcd	0d	25ef	25cde
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48c	28bc	63b	60b-e	48bcd
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date								7/3/2012	7/17/2012	6/20/2012	7/3/2012	7/17/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								29 DAT	43 DAT	16 DAT	29 DAT	43 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	90a	58bc	92ab	94a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									18.4	26.7	28.7	35.0	42.4
Standard Deviation									12.8	18.7	20.1	24.5	29.7
CV									26.56	46.53	44.42	37.6	57.68
Replicate F									3.934	0.380	2.761	2.736	1.857
Replicate Prob(F)									0.0141	0.7677	0.0530	0.0545	0.1505
Treatment F									31.588	15.248	9.742	6.788	6.350
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/20/2012 CONTROL % 16 DAT 0	SEBEX 7/3/2012 CONTROL % 29 DAT 0	SEBEX 7/17/2012 CONTROL % 43 DAT 0	RICE 6/20/2012 INJURY % 16 DAT 0	RICE 7/3/2012 INJURY % 29 DAT 0
	Pest Code												
	Rating Date								6/20/2012	7/3/2012	7/17/2012	6/20/2012	7/3/2012
	Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	29 DAT	43 DAT	16 DAT	29 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0f	0d	0c	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84a-d	96ab	92a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92abc	98a	98a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	97a	98a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	67de	81abc	76ab	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	78bcd	79bc	80ab	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65de	75c	73ab	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75cd	79bc	64b	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	54e	76c	80ab	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75cd	81abc	88ab	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	98a	97a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82a-d	97a	97a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	1a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	97a	74ab	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95ab	98a	98a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/20/2012 CONTROL % 16 DAT 0	SEBEX 7/3/2012 CONTROL % 29 DAT 0	SEBEX 7/17/2012 CONTROL % 43 DAT 0	RICE 6/20/2012 INJURY % 16 DAT 0	RICE 7/3/2012 INJURY % 29 DAT 0
									16	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	98a	97a	0a	0a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									20.0	17.6	27.7	0.9	0.0
Standard Deviation									14.0	12.3	19.4	0.6	0.0
CV									18.09	14.63	23.67	800.0	0.0
Replicate F									1.298	0.880	2.103	1.000	0.000
Replicate Prob(F)									0.2866	0.4585	0.1132	0.4016	1.0000
Treatment F									12.155	15.702	6.477	1.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.4718	1.0000

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/17/2012 INJURY % 43 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/6/2012 LENGHT ft HARVEST 1
									21	22	23	24	25
1	Nontreated								0e	89a	91a	90a	13.9a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10a	85a	87a	86a	13.9a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9ab	87a	89a	88a	13.9a
	Halomax	75%AW/W		0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8abc	90a	91a	90a	13.9a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6a-d	91a	89a	90a	13.9a
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5a-e	91a	92a	91a	13.9a
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4b-e	92a	92a	92a	13.9a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4b-e	92a	91a	92a	13.9a
	Facet	75%		0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1de	90a	92a	91a	13.9a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	97a	96a	97a	13.9a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6a-d	91a	92a	92a	13.9a
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	8abc	91a	89a	90a	13.9a
	League	75%		0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0e	99a	95a	97a	13.9a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1de	96a	96a	96a	13.9a
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3cde	91a	92a	92a	13.9a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE
Rating Date								7/17/2012	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type								INJURY	HEIGHT	HEIGHT	AVG HT	LENGHT
Rating Unit								%	cm	cm	cm	ft
Trt-Eval Interval								43 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	1
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6a-d	87a	87a	87a	13.4a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									5.7	7.9	7.6	7.3	0.38
Standard Deviation									4.0	5.6	5.4	5.1	0.26
CV									90.75	6.1	5.87	5.62	1.89
Replicate F									0.330	1.185	3.286	2.321	380.961
Replicate Prob(F)									0.8034	0.3260	0.0291	0.0879	0.0001
Treatment F									2.749	1.697	1.046	1.463	1.000
Treatment Prob(F)									0.0045	0.0863	0.4296	0.1608	0.4718

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 WEIGHT g/plot HARVEST 0	RICE 8/6/2012 MOISTURE % HARVEST 1	RICE 8/6/2012 YIELD LB HARVEST 0	RICE 8/6/2012 YIELD KG/HA HARVEST 0
									26	27	28	29
1	Nontreated								1486a	18.1a	3249a	3641a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1051a	20.5a	2241a	2512a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1410a	18.3a	3080a	3452a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1267a	17.7a	2789a	3126a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1484a	18.7a	3243a	3635a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1188a	20.5a	2545a	2852a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1196a	19.5a	2587a	2899a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	956a	19.1a	2069a	2319a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1069a	19.2a	2316a	2595a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1179a	18.7a	2563a	2872a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE				
	COC	100	%	1	% v/v	1	% v/v	SALVAGE				
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1412a	19.5a	3051a	3420a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE				
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1213a	20.4a	2607a	2921a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE				
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1400a	20.4a	2988a	3349a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE				
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	972a	20.4a	2091a	2344a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE				
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	1636a	20.6a	3487a	3908a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE				
	COC	100	%	1	% v/v	1	% v/v	SALVAGE				

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:C12-29 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-29 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								8/6/2012	8/6/2012	8/6/2012	8/6/2012
Rating Type								WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit								g/plot	%	LB	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	1	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	924a	19.1a	2004a	2246a
	Strada Pro					2.08	oz/a	SALVAGE				
	COC	100%		1%	v/v	1%	v/v	SALVAGE				
LSD (P=.05)									737.3	2.37	1630.9	1827.9
Standard Deviation									515.9	1.66	1141.2	1279.1
CV									41.6	8.55	42.56	42.56
Replicate F									0.291	1.453	0.279	0.279
Replicate Prob(F)									0.8317	0.2401	0.8401	0.8401
Treatment F									0.689	1.343	0.664	0.664
Treatment Prob(F)									0.7815	0.2176	0.8041	0.8041

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School of Plant, Environmental and Soil Sciences
Evaluation of Alert with Surfactants

Experiment number..... : **C12-30**
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 ..... : 4/12/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 4/25/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/08/12
Time [hh:mm-hh:mm]..... : 10:20-10:51A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 80/80
Relative humidity [%] ..... : 80
Wind [mph, direction] ..... : 6/ENE
Weather [sunny, etc]..... : pt. cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 2-4/2-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :- (height/#leaves) -
BRAPP(150-200m^{-2}) ..... : 1-4"/1-4lf
ECHCG(50-80m^{-2}) ..... : 1-4"/1-4lf
CYPIR(150-200m^{-2}) ..... : 0.5-2"/3-6lf
SEBEX(2-5m^{-2}) ..... : 1-8"/2-8lf

Flush Dates..... : 4/24, 5/9, 5/16
Permanent Flood ..... : 5/23

*AMFF – Air mix flat fan nozzles

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Evaluation of Alert with Surfactants

Trial ID:C12-30 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-30 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								BRAPP	BRAPP	CYPIR	ECHCG	ECHCG
	Rating Date								5/22/2012	6/7/2012	5/22/2012	5/22/2012	6/7/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								14 DAT	30 DAT	14 DAT	14 DAT	30 DAT
	Number of Decimals								0	0	0	0	0
1	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	65bcd	19abc	71a-d	71abc	28ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	59de	18bc	74abc	61cd	26ab
	MSO	100%		1%	v/v	1%	v/v	EPOST					
3	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	69a-d	18bc	66a-e	73abc	28ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
4	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	65a-d	18bc	59c-f	70abc	23b
	No surfactant												
5	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	61cd	18bc	38ghi	61cd	25ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	80ab	14c	56def	81ab	25ab
	MSO	100%		1%	v/v	1%	v/v	EPOST					
7	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	66a-d	19abc	53efg	69abc	25ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
8	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	45e	21ab	48fgh	46d	24ab
	No surfactant												
9	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	59de	19abc	65b-e	60cd	28ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	60de	19abc	30i	61cd	30a
	MSO	100%		1%	v/v	1%	v/v	EPOST					
11	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	77abc	16bc	34hi	80ab	25ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
12	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	75a-d	24a	83a	78ab	28ab
	No surfactant												
13	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	81a	19abc	79ab	83a	29ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
14	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	75a-d	15c	71a-d	78ab	26ab
	MSO	100%		1%	v/v	1%	v/v	EPOST					
15	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	68a-d	19abc	54efg	70abc	26ab
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
16	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	64cd	18bc	51efg	68abc	25ab
	No surfactant												
17	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	64cd	21ab	48fgh	67bc	24ab
18	Nontreated								0f	0d	0j	0e	0c
LSD (P=.05)									16.1	6.0	16.4	15.8	6.9
Standard Deviation									11.4	4.2	11.6	11.1	4.8
CV									18.17	24.44	21.43	17.09	19.71
Replicate F									1.723	9.715	2.760	1.515	4.122
Replicate Prob(F)									0.1739	0.0001	0.0515	0.2218	0.0108
Treatment F									9.901	5.322	12.133	11.194	7.016
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Evaluation of Alert with Surfactants

Trial ID:C12-30 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-30 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/22/2012 CONTROL % 14 DAT 0	RICE 5/22/2012 INJURY % 14 DAT 0	RICE 6/7/2012 INJURY % 30 DAT 0
									6	7	8
1	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	88ab	1cd	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
2	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	90a	0d	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
3	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	86ab	1cd	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
4	Alert	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	86ab	0d	0a
	No surfactant										
5	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	73bc	0d	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
6	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	88ab	3bcd	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
7	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	78abc	1cd	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
8	Alert	3	LBA/GAL	0.4	lb ai/a	17	fl oz/a	EPOST	61c	0d	0a
	No surfactant										
9	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	86ab	0d	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
10	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	86ab	0d	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
11	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	93a	1cd	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
12	Alert	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	89ab	3bcd	0a
	No surfactant										
13	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	89a	9a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
14	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	94a	6ab	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
15	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	90a	3bcd	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
16	Alert	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	88ab	5abc	0a
	No surfactant										
17	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	88ab	1cd	0a
18	Nontreated								0d	0d	0a
LSD (P=.05)									16.6	4.2	0.0
Standard Deviation									11.8	3.0	0.0
CV									14.6	157.87	0.0
Replicate F									6.998	0.357	0.000
Replicate Prob(F)									0.0005	0.7845	1.0000
Treatment F									13.426	2.790	0.000
Treatment Prob(F)									0.0001	0.0024	1.0000

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League PRE Variety Trial

Experiment number	**C12-31**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	3/29/12
Harvest date	8/14/12
Crop/Variety	CL161
Emergence date	4/10/12
Uniform std. treatment	N/A

Application type	PRE	DPRE	SPIKE
Date applied [mm/dd/yy]	03/30/12	4/9/12	4/13/12
Time [hh:mm-hh:mm]	10:15-10:20A	10:00-10:15A	2:30-2:40P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	72/70	70/75	83/79
Relative humidity [%]	86	75	55
Wind [mph, direction]	0-3/SE	7/NNE	5-10/S
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	moist/N/A	dry/dry	dry/N/A
Crop stage/Height	N/A	N/A	hypo-1lf
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	18/5/15	18/5/15	18/5/15
GPA/PSI	15/42	24/25	15/22
Applied by	JCF	EPW	EPW

Flush Dates	4/11/12, 4/24/12, 5/9/12, 5/16/12,
Permanent Flood	5/23/12

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League PRE Variety Trial

Trial ID:C12-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-31 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									4/16/2012	4/16/2012	4/16/2012	4/16/2012	4/16/2012	5/4/2012
Rating Type									HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT
Rating Unit									cm	cm	cm	cm	cm	cm
Trt-Eval Interval									2 DAT	2 DAT	2 DAT	2 DAT	2 DAT	20 DAT
Number of Decimals									0	0	0	0	0	0
1	Caffey								14a	15a	14ab	14a	14a	23a
	No Herbicide													
2	Caffey								10c	10c	9d	9b	9c	21a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
3	Caffey								13ab	12ab	13abc	14a	13ab	20a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
4	Caffey								13ab	12ab	12abc	14a	13ab	22a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
5	CL XL 745								14a	15a	14a	13a	14a	24a
	No Herbicide													
6	CL XL 745								11bc	13ab	10cd	12ab	11b	21a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
7	CL XL 745								13ab	14ab	13ab	14a	13ab	20a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
8	CL XL 745								12abc	12bc	12bcd	12ab	12b	18a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
LSD (P=.05)									2.8	2.8	2.5	3.0	2.0	4.4
Standard Deviation									1.9	1.9	1.7	2.0	1.4	3.0
CV									15.46	15.02	13.97	15.91	10.9	14.28
Replicate F									0.297	0.611	0.702	0.353	0.410	0.938
Replicate Prob(F)									0.8268	0.6155	0.5617	0.7876	0.7476	0.4398
Treatment F									2.786	3.501	4.051	2.787	5.688	1.351
Treatment Prob(F)									0.0324	0.0120	0.0059	0.0323	0.0009	0.2765

LSU AgCenter SPESS

League PRE Variety Trial

Trial ID:C12-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-31 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12	13
Pest Code									RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									5/4/2012	5/4/2012	5/4/2012	5/4/2012	5/14/2012	5/14/2012	5/14/2012
Rating Type									HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT	HEIGHT	HEIGHT
Rating Unit									cm	cm	cm	cm	cm	cm	cm
Trt-Eval Interval									20 DAT	20 DAT	20 DAT	20 DAT	30 DAT	30 DAT	30 DAT
Number of Decimals									0	0	0	0	0	0	0
1	Caffey								22a	24ab	22a	23a	317ab	326a	329a
	No Herbicide														
2	Caffey								23a	20c	24a	22a	340a	347a	332a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE							
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE							
3	Caffey								23a	22bc	23a	22a	345a	349a	322a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE							
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE							
4	Caffey								23a	21c	24a	22a	343a	337a	327a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE							
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE							
5	CL XL 745								23a	25a	23a	23a	305abc	324a	319a
	No Herbicide														
6	CL XL 745								21a	23abc	22a	22a	316abc	317a	319a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE							
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE							
7	CL XL 745								20a	22bc	22a	21a	275c	224a	275a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE							
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE							
8	CL XL 745								21a	21bc	20a	20a	296bc	296a	292a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE							
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE							
LSD (P=.05)									3.4	2.6	2.9	2.1	41.3	92.6	41.1
Standard Deviation									2.3	1.8	1.9	1.4	28.1	62.9	27.9
CV									10.61	8.09	8.75	6.62	8.86	19.99	8.89
Replicate F									1.081	0.222	3.837	0.333	0.786	0.031	2.049
Replicate Prob(F)									0.3788	0.8797	0.0246	0.8018	0.5152	0.9923	0.1378
Treatment F									1.208	3.000	1.986	2.307	3.126	1.656	2.076
Treatment Prob(F)									0.3414	0.0239	0.1058	0.0653	0.0201	0.1748	0.0924

LSU AgCenter SPESS

League PRE Variety Trial

Trial ID:C12-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-31 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	14	15	16	17	18	19
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								5/14/2012	5/14/2012	5/14/2012	5/14/2012	5/14/2012	8/6/2012
	Rating Type								HEIGHT	AVG HT	STEM #	STEM #	AVG STEM	HEIGHT
	Rating Unit								cm	cm	#	#	#	cm
	Trt-Eval Interval								30 DAT	30 DAT	30 DAT	30 DAT	30 DAT	114 DAT
	Number of Decimals								0	0	0	0	0	0
1	Caffey								352a	331a	17abc	17a	17a	99b
	No Herbicide													
2	Caffey								350a	342a	19a	17a	18a	97b
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
3	Caffey								333ab	337a	17ab	14b	15a	96b
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
4	Caffey								336a	335a	18ab	17a	18a	96b
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
5	CL XL 745								318abc	316ab	11d	9c	10b	112a
	No Herbicide													
6	CL XL 745								291bc	310ab	11cd	9c	10b	114a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
7	CL XL 745								286c	265c	12bcd	11bc	12b	119a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
8	CL XL 745								288c	293bc	8d	10c	9b	113a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
	LSD (P=.05)								42.0	37.9	5.9	2.7	3.4	6.9
	Standard Deviation								28.6	25.8	4.0	1.9	2.3	4.7
	CV								8.95	8.15	28.67	14.42	17.35	4.42
	Replicate F								2.254	0.667	0.337	0.939	0.501	0.971
	Replicate Prob(F)								0.1118	0.5817	0.7990	0.4396	0.6856	0.4248
	Treatment F								3.749	4.207	3.890	14.292	9.852	16.990
	Treatment Prob(F)								0.0087	0.0048	0.0072	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League PRE Variety Trial

Trial ID:C12-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-31 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 HEIGHT cm 114 DAT 0	RICE 8/6/2012 AVG HT cm 114 DAT 0	RICE 4/16/2012 INJURY % 2 DAT 0	RICE 5/4/2012 INJURY % 20 DAT 0	RICE 5/14/2012 INJURY % 30 DAT 0	RICE 8/14/2012 YIELD Lb/PLOT HARVEST 1
									20	21	22	23	24	25
1	Caffey								99b	99b	0d	0d	0e	13.5b
	No Herbicide													
2	Caffey								96b	97b	29a	21ab	16cd	13.0b
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
3	Caffey								96b	96b	10bc	13c	19abc	13.1b
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
4	Caffey								96b	96b	5cd	18b	13d	12.0b
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
5	CL XL 745								115a	113a	0d	0d	0e	19.8a
	No Herbicide													
6	CL XL 745								112a	113a	24a	24a	18bc	20.6a
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	PRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
7	CL XL 745								114a	116a	11b	21ab	21ab	19.2a
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	DPRE						
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE						
8	CL XL 745								113a	113a	10bc	24a	23a	20.0a
	League	75%AW/W		0.4lb	ai/a	6.4oz	ai/a	SPIKE						
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE						
LSD (P=.05)									4.9	5.2	5.4	4.7	4.1	1.56
Standard Deviation									3.3	3.6	3.6	3.2	2.8	1.06
CV									3.16	3.39	32.85	21.21	20.71	6.46
Replicate F									3.618	2.287	0.686	0.412	0.624	2.357
Replicate Prob(F)									0.0300	0.1081	0.5704	0.7462	0.6071	0.1008
Treatment F									29.298	26.737	32.597	39.176	40.211	51.099
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League PRE Variety Trial

Trial ID:C12-31 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-31 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/14/2012 MOISTURE % HARVEST 1	RICE 8/14/2012 YIELD Lb/A HARVEST 0
	Pest Code								RICE	RICE
	Rating Date								8/14/2012	8/14/2012
	Rating Type								MOISTURE	YIELD
	Rating Unit								%	Lb/A
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								1	0
									26	27
1	Caffey								12.0a	7869a
	No Herbicide									
2	Caffey								13.6a	7440a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
3	Caffey								12.0a	7647a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE		
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE		
4	Caffey								11.8a	7032a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE		
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE		
5	CL XL 745								12.6a	11462a
	No Herbicide									
6	CL XL 745								13.0a	39903a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	PRE		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
7	CL XL 745								14.3a	10917a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	DPRE		
	Agri-Dex	100%		1%	v/v	1%	v/v	DPRE		
8	CL XL 745								13.9a	11435a
	League	75%AW/W		0.4	lb ai/a	6.4	oz ai/a	SPIKE		
	Agri-Dex	100%		1%	v/v	1%	v/v	SPIKE		
	LSD (P=.05)								2.30	29206.6
	Standard Deviation								1.56	19857.8
	CV								12.14	153.19
	Replicate F								2.479	1.062
	Replicate Prob(F)								0.0892	0.3862
	Treatment F								1.539	1.238
	Treatment Prob(F)								0.2085	0.3267

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Command, Obey, and Broadhead Program for Rice

Experiment number	**C12-33**		
Location	RRS-Crowley, LA		
Experimental design	RCB		
Number of reps	4		
Plot size	5'x17'		
Row width/# per plot	7.5"/8		
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)		
% OM	1.4		
pH	6.4		
CEC	19.1		
Planting date	4/23/12		
Harvest date	N/A		
Crop/Variety	CL161		
Emergence date	5/4/12		
Uniform std. treatment	N/A		
Application type	PRE	VEPOST	MPOST
Date applied [mm/dd/yy]	04/24/12	05/07/12	05/21/12
Time [hh:mm-hh:mm]	8:15-8:30A	8:50-900A	10:00-10:11A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	60/70	84.5/79	76/75
Relative humidity [%]	75	94	71
Wind [mph, direction]	5/S	2/ESE	1-3/NW
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	moist/moist	dry/dry
Crop stage/Height	N/A	3-4"/1lf	3-4lf/4-5"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/24	15/24	15/24
Applied by	NDF	NDF	JCF
Weed Species (population)	---------- (height/#leaves) ----------		
ORYSA(25-50m^{-2})		3-6"/1-2lf	3-5"/2-3lf
ECHCG(10-20m^{-2})		3-6"/1-2lf	3-5"/2-3lf
AESIN(1-3m^{-2})		1-2"/1-3lf	2-4"/3-5lf
SEBEX(3-5m^{-2})		1-2"/1-3lf	3-5"/5-7lf
ALRPH(1-3m^{-2})		3-5"/5-10lf	5-7"/7-12lf
Flush Dates	4/26, 5/2, 5/15		
Permanent Flood	5/30		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	ORYSA
Rating Date									5/30/2012	6/7/2012	6/18/2012	7/3/2012	5/30/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									7 DAT	14 DAT	25 DAT	40 DAT	7 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	96a	97a	0c
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	95a	95a	40ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	96a	98a	35ab
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95a	97a	48a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	91ab	95a	40ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	91ab	97a	36ab
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST	92b	98a	89b	80b	30b
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	96a	98a	50a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	MPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	95a	95a	36ab

Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	VEPOST					
Agri-Dex	100%	1% v/v	1% v/v	VEPOST					
Command	3LBA/GAL	0.3lb ai/a	12.8fl oz/a	MPOST					
Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	MPOST					
Agri-Dex	100%	1% v/v	1% v/v	MPOST					

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	ORYSA
Rating Date									5/30/2012	6/7/2012	6/18/2012	7/3/2012	5/30/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									7 DAT	14 DAT	25 DAT	40 DAT	7 DAT
Number of Decimals									0	0	0	0	0
10	Nontreated								0c	0b	0c	0c	0c
LSD (P=.05)									2.9	0.0	5.4	4.6	15.2
Standard Deviation									2.0	0.0	3.7	3.2	10.4
CV									2.29	0.0	4.44	3.7	33.17
Replicate F									0.510	0.000	0.589	2.032	2.947
Replicate Prob(F)									0.6787	1.0000	0.6275	0.1331	0.0507
Treatment F									942.509	0.000	252.612	372.132	11.346
Treatment Prob(F)									0.0001	1.0000	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ORYSA 6/18/2012 CONTROL % 25 DAT 0	ORYSA 7/3/2012 CONTROL % 40 DAT 0	SEBEX 5/30/2012 CONTROL % 7 DAT 0	SEBEX 6/7/2012 CONTROL % 14 DAT 0	SEBEX 6/18/2012 CONTROL % 25 DAT 0
									6	7	8	9	10
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94ab	86ab	89a	98a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	84ab	33bc	50c	73c
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	91a	95a	97a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	90ab	95a	98a	98a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91abc	85ab	35b	51c	81b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88bc	88ab	96a	97a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST	86c	81b	20c	70b	74c
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90abc	91a	98a	98a	98a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	MPOST					
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89abc	84ab	23bc	45c	80b

Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	VEPOST					
Agri-Dex	100%	1% v/v	1% v/v	VEPOST					
Command	3LBA/GAL	0.3lb ai/a	12.8fl oz/a	MPOST					
Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	MPOST					
Agri-Dex	100%	1% v/v	1% v/v	MPOST					

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								ORYSA	ORYSA	SEBEX	SEBEX	SEBEX
Rating Date								6/18/2012	7/3/2012	5/30/2012	6/7/2012	6/18/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								25 DAT	40 DAT	7 DAT	14 DAT	25 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
10	Nontreated								0d	0c	0d	0d	0d
LSD (P=.05)									7.0	9.6	13.7	11.6	5.3
Standard Deviation									4.9	6.6	9.5	8.0	3.6
CV									5.94	8.5	16.27	11.35	4.55
Replicate F									0.206	0.379	0.100	0.584	0.190
Replicate Prob(F)									0.8911	0.7689	0.9594	0.6306	0.9022
Treatment F									141.050	69.354	69.031	70.158	274.352
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 7/3/2012 CONTROL % 40 DAT 0	ALRPH 5/30/2012 CONTROL % 7 DAT 0	AESIN 6/7/2012 CONTROL % 14 DAT 0	RICE 5/30/2012 INJURY % 7 DAT 0	RICE 6/7/2012 INJURY % 14 DAT 0	RICE 6/18/2012 INJURY % 25 DAT 0
									11	12	13	14	15	16
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	98a	0a	0a	0a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79bc	93a	92a	0a	0a	0a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89a	94a	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	95a	96a	0a	0a	0a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71c	94a	98a	0a	0a	0a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	98a	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST	90ab	55b	98a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	96a	94a	0a	0a	0a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	VEPOST						
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	MPOST						
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	MPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68c	94a	98a	0a	0a	0a

Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	VEPOST						
Agri-Dex	100%	1% v/v	1% v/v	VEPOST						
Command	3LBA/GAL	0.3lb ai/a	12.8fl oz/a	MPOST						
Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	MPOST						
Agri-Dex	100%	1% v/v	1% v/v	MPOST						

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
	Pest Code								SEBEX	ALRPH	AESIN	RICE	RICE	RICE
	Rating Date								7/3/2012	5/30/2012	6/7/2012	5/30/2012	6/7/2012	6/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								40 DAT	7 DAT	14 DAT	7 DAT	14 DAT	25 DAT
	Number of Decimals								0	0	0	0	0	0
10	Nontreated								0d	0c	0b	0a	0a	0a
	LSD (P=.05)								12.3	10.0	7.0	0.0	0.0	0.0
	Standard Deviation								8.5	6.9	4.8	0.0	0.0	0.0
	CV								10.68	8.59	5.56	0.0	0.0	0.0
	Replicate F								0.325	0.474	1.138	0.000	0.000	0.000
	Replicate Prob(F)								0.8076	0.7032	0.3515	1.0000	1.0000	1.0000
	Treatment F								50.882	79.561	160.681	0.000	0.000	0.000
	Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/3/2012 INJURY % 40 DAT 0	RICE 7/3/2012 HEIGHT cm HARVEST 0	RICE 7/3/2012 HEIGHT cm HARVEST 0	RICE 7/3/2012 AVG HT cm HARVEST 0
	Pest Code											
	Rating Date								7/3/2012	7/3/2012	7/3/2012	7/3/2012
	Rating Type								INJURY	HEIGHT	HEIGHT	AVG HT
	Rating Unit								%	cm	cm	cm
	Trt-Eval Interval								40 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0
									17	18	19	20
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	107ab	108ab	107ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST				
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	107ab	109ab	108ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	110a	110ab	110a
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Obey	2.4	LB/GAL	0.75	lb ai/a	40	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	108ab	111a	110ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST				
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST				
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	102b	105ab	103ab
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Beyond	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	106ab	107ab	107ab
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST				
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	VEPOST	0a	104ab	102b	103b
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	108ab	108ab	108ab
	Newpath	2	LB/GAL	0.094	lb ai/a	6	fl oz/a	VEPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	VEPOST				
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	MPOST				
	Broadhead	70%W/W		0.39	lb ai/a	6.24	oz ai/a	MPOST				
	Agri-Dex	100%		1	% v/v	1	% v/v	MPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	107ab	109ab	108ab

Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	VEPOST				
Agri-Dex	100%	1% v/v	1% v/v	VEPOST				
Command	3LBA/GAL	0.3lb ai/a	12.8fl oz/a	MPOST				
Newpath	2LB/GAL	0.0625lb ai/a	4fl oz/a	MPOST				
Agri-Dex	100%	1% v/v	1% v/v	MPOST				

LSU AgCenter SPESS

Command/Obey/Broadhead Program for Rice

Trial ID:C12-33 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-33 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								7/3/2012	7/3/2012	7/3/2012	7/3/2012
Rating Type								INJURY	HEIGHT	HEIGHT	AVG HT
Rating Unit								%	cm	cm	cm
Trt-Eval Interval								40 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
10	Nontreated								0a	62c	61c	62c
LSD (P=.05)									0.0	7.1	8.0	7.0
Standard Deviation									0.0	4.9	5.5	4.8
CV									0.0	4.83	5.35	4.7
Replicate F									0.000	0.358	0.544	0.494
Replicate Prob(F)									1.0000	0.7836	0.6561	0.6894
Treatment F									0.000	32.929	29.744	36.538
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001

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

Experiment number	:	**C12-34**	
Location	:	RRS-Crowley, LA	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)	
% OM	:	1.4	
pH	:	6.4	
CEC	:	19.1	
Planting date	:	4/12/12	
Harvest date	:	N/A	
Crop/Variety	:	CL161	
Emergence date	:	4/25/12	
Uniform std. treatment	:	N/A	
Application type	:	PRE	1-2LF	3-4LF
Date applied [mm/dd/yy]	:	4/12/12	04/30/12	05/21/12
Time [hh:mm-hh:mm]	:	8:45-8:50A	12:22-12:29P	8:55-9:05A
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	63/76	84/78	76/75
Relative humidity [%]	:	85	56	71
Wind [mph, direction]	:	6/E	2-7/SSE	1-3/NW
Weather [sunny, etc]	:	sunny	pt. cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	moist/dry	dry/dry
Crop stage/Height	:	N/A	2-3lf/2-4"	4-6lf/4-5"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15	18/5/15
GPA/PSI	:	15/24	15/22	15/24
Applied by	:	EPW	EPW	JCF
Weed Species (population)	:	---------- (height/#leaves) ----------		
CNPPA(3-5m^{-2})	:		1-3"/cot-2lf	5-7"/7-10lf
BRAPP(40-60m^{-2})	:		0.5-2"/1-3lf	2-3"/3-5lf
ECHCG(10-15m^{-2})	:		0.5-2"/1-3lf	2-3"/3-5lf
SEBEX(6-10m^{-2})	:		0.5-2"/cot-2lf	5-7"/7-12lf
ALRPH(2-6m^{-2})……..:	:		1-6"/10-40lf	7-12"/12-15lf
CYPIR(150-175m^{-2})	:		0.5-1"/1-3lf	2-3"/3-6lf
AESIN(1-5m^{-2})	:		1-3"/cot-3lf	3-5"/7-10lf
Flush Dates	:	4/24, 5/9, 5/16		
Permanent Flood	:	5/23		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:C12-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								CNPPA	CNPPA	BRAPP	BRAPP	BRAPP
	Rating Date								6/7/2012	6/18/2012	6/7/2012	6/18/2012	7/4/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								17 DAT	28 DAT	17 DAT	28 DAT	44 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40c	91ab	98a	94abc	95a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73b	95a	98a	90d	95a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	0e	0e	98a	93bcd	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	90a	92ab	98a	93bcd	91ab
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	40c	87bc	98a	95ab	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	70b	86bc	98a	97a	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	20d	84cd	98a	91cd	88b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25d	78d	98a	95ab	88b
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
9	Nontreated								0e	0e	0b	0e	0c
	LSD (P=.05)								15.0	7.0	0.0	3.4	7.0
	Standard Deviation								10.3	4.8	0.0	2.3	4.8
	CV								25.8	7.05	0.0	2.78	5.81
	Replicate F								0.962	2.005	0.000	1.176	1.000
	Replicate Prob(F)								0.4266	0.1402	1.0000	0.3396	0.4098
	Treatment F								39.487	263.052	0.000	730.242	168.303
	Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:C12-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
	Rating Date								6/7/2012	6/18/2012	7/4/2012	6/7/2012	6/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								17 DAT	28 DAT	44 DAT	17 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91cd	95a	96a	97a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89d	95a	98a	98a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	93bc	95a	53c	76b
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	93bc	95a	77b	61c
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	95ab	95a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	97a	95a	91ab	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94abc	88b	98a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95ab	91ab	98a	98a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
9	Nontreated								0b	0e	0c	0d	0d
	LSD (P=.05)								0.0	2.8	7.0	16.4	10.6
	Standard Deviation								0.0	1.9	4.8	11.3	7.3
	CV								0.0	2.33	5.77	14.31	9.02
	Replicate F								0.000	2.314	0.593	0.569	1.128
	Replicate Prob(F)								1.0000	0.1013	0.6257	0.6408	0.3574
	Treatment F								0.000	1041.216	170.216	34.779	82.299
	Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:C12-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								SEBEX	CYPIR	CYPIR	ALRPH	ALRPH
	Rating Date								7/4/2012	6/7/2012	6/18/2012	6/7/2012	6/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								44 DAT	17 DAT	28 DAT	17 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	78b	29b	91a	28c
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	0d	0c	90a	25c
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	55b	50c	0c	0e	33c
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	30c	71b	31b	0e	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	95a	97a	90a	44d	0d
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	95a	90a	94a	80ab	80a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	95a	93a	58cd	50b
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	94a	91a	65bc	0d
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
9	Nontreated								0d	0d	0c	0e	0d
	LSD (P=.05)								7.8	10.5	6.5	15.5	11.9
	Standard Deviation								5.3	7.2	4.5	10.6	8.2
	CV								7.34	11.28	9.39	22.38	34.12
	Replicate F								0.484	0.205	0.337	2.272	0.279
	Replicate Prob(F)								0.6968	0.8918	0.7990	0.1059	0.8402
	Treatment F								181.500	117.971	383.543	52.859	46.672
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:C12-34 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 6/18/2012 CONTROL % 28 DAT 16	AESIN 7/4/2012 CONTROL % 44 DAT 17	RICE 6/7/2012 INJURY % 17 DAT 18	RICE 6/18/2012 INJURY % 28 DAT 19	RICE 7/4/2012 INJURY % 44 DAT 20
	Pest Code												
	Rating Date								6/18/2012	7/4/2012	6/7/2012	6/18/2012	7/4/2012
	Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								28 DAT	44 DAT	17 DAT	28 DAT	44 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	95a	0b	0a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	0b	0a	25a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	61b	88b	0b	0a	13a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	41c	83b	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	95a	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	98a	95a	0b	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	3a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94a	0b	0a	0a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
9	Nontreated								0d	0c	0b	0a	0a
	LSD (P=.05)								8.6	6.2	1.4	0.0	19.2
	Standard Deviation								5.9	4.2	1.0	0.0	13.2
	CV								7.69	5.18	346.41	0.0	316.23
	Replicate F								1.506	1.577	1.000	0.000	0.400
	Replicate Prob(F)								0.2384	0.2209	0.4098	1.0000	0.7542
	Treatment F								144.363	214.269	3.000	0.000	1.800
	Treatment Prob(F)								0.0001	0.0001	0.0176	1.0000	0.1267

LSU AgCenter
School of Plant, Environmental and Soil Sciences
League as a PRE in Rice Program

Experiment number	:	**C12-35**
Location	:	RRS-Crowley, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	:	1.4
pH	:	6.4
CEC	:	19.1
Planting date	:	4/11/12
Harvest date	:	
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A
Application type	:	PFLD
Date applied [mm/dd/yy]	:	06/04/12
Time [hh:mm-hh:mm]	:	8:00-8:15A
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	85/83
Relative humidity [%]	:	90
Wind [mph, direction]	:	1-3/SE
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	wet/dry
Crop stage/Height	:	4-5till/20-25"
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15
GPA/PSI	:	15/24
Applied by	:	JCF
Weed Species (population)	:	(height/#leaves)
SEBEX(1-3m^{-2})	:	1-3"/cot-5lf
BRAPP(25-50m^{-2})	:	1-4"/1lf-2till
CYPES(1-5m^{-2})……..:	:	3-10"/3-12lf
CYPIR(4-6m^{-2})	:	1-6"/3-9lf
CNPPA(1-3m^{-2})	:	1-3"/2-4lf
ALRPH(5-10m^{-2})	:	2-6"/5-20lf
AESIN(1-5m^{-2})	:	1-3"/cot-3lf
ECHCG(10-20m^{-2})	:	1-4"/1lf-2till
Flush Dates	:	4/11/12, 4/24/12, 5/9/12, 5/16/12,
Permanent Flood	:	5/23/12

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date									5/14/2012	5/30/2012	6/5/2012	6/20/2012	7/5/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									5 DAT	21 DAT	27 DAT	42 DAT	57 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0c	0d	0d	0d
2	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	97a	98a	98a	93a	92abc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
3	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	97a	98a	95a	93a	91abc
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
4	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	95a	98a	97a	95a	93ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
5	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	97a	96ab	98a	97a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
6	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	96a	98a	97a	97a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	97a	94a	97a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
8	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE	83c	93b	14c	36c	85c
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
9	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	DPRE	88b	96ab	85b	83b	86bc
	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
10	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	96a	98a	95a	95a	93ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95a	95a	97a
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	1-2 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
LSD (P=.05)									4.8	4.1	5.5	6.1	7.5
Standard Deviation									3.3	2.9	3.8	4.2	5.2
CV									3.89	3.23	4.8	5.33	6.13

Replicate F	1.718	3.066	0.381	2.083	0.935
Replicate Prob(F)	0.1844	0.0430	0.7675	0.1235	0.4359
Treatment F	298.745	422.728	360.814	222.820	119.836
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	BRAPP 5/14/2012 CONTROL % 5 DAT 0	BRAPP 5/30/2012 CONTROL % 21 DAT 0	BRAPP 6/5/2012 CONTROL % 27 DAT 0	BRAPP 6/20/2012 CONTROL % 42 DAT 0	BRAPP 7/5/2012 CONTROL % 57 DAT 0
									6	7	8	9	10
1	Nontreated								0d	0e	0d	0d	0d
2	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	91a	97a	98a	95a	90ab
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
3	League	75%AW/W		0.3	lb ai/a	6.4	oz/a	PRE	93a	95a	94ab	93a	94ab
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
4	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	91a	91ab	96ab	89ab	85b
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
5	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	96a	96a	97a	97a	97a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
6	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	91a	83c	96ab	95a	92ab
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	PFLD					
7	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	93a	97a	96a	97a	96ab
	Permit	75%AW/W		0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
8	Bolero	8LBA/GAL		3	lb ai/a	48	fl oz/a	DPRE	46c	0e	0d	8d	10d
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
9	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	DPRE	81b	71d	89c	50c	65c
	Bolero	8LBA/GAL		3	lb ai/a	48	fl oz/a	DPRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
10	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	91a	86bc	92bc	85b	73c
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
11	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	93a	93ab	92bc	90ab	89ab
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	1-2 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
LSD (P=.05)									5.8	8.4	4.2	7.9	11.0
Standard Deviation									4.0	5.8	2.9	5.4	7.6
CV									5.09	7.91	3.73	7.51	10.62

Replicate F	2.333	0.217	1.804	1.070	0.437
Replicate Prob(F)	0.0940	0.8835	0.1677	0.3764	0.7282
Treatment F	217.806	163.151	706.587	179.485	82.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 5/14/2012 CONTROL % 5 DAT 0	SEBEX 5/30/2012 CONTROL % 21 DAT 0	SEBEX 6/5/2012 CONTROL % 27 DAT 0	SEBEX 7/5/2012 CONTROL % 57 DAT 0	AESIN 5/14/2012 CONTROL % 5 DAT 0
									11	12	13	14	15
1	Nontreated								0e	0c	0c	0d	0f
2	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	93ab	98a	98a	98a	97a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
3	League	75%AW/W		0.3lb	ai/a	6.4oz/a		PRE	93ab	98a	98a	98a	93abc
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
4	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	91ab	98a	98a	98a	94abc
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
5	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	95a	98a	98a	98a	95ab
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
6	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	89b	98a	98a	98a	93abc
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		PFLD					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD					
7	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE	89b	98a	98a	98a	91bc
	Permit	75%AW/W		0.047lb	ai/a	1oz/a		3-4 LEAF					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
8	Bolero	8LBA/GAL		3lb	ai/a	48fl oz/a		DPRE	40d	85b	65b	65c	60e
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
9	League	75%AW/W		0.15lb	ai/a	3.2oz/a		DPRE	80c	83b	92a	88b	83d
	Bolero	8LBA/GAL		3lb	ai/a	48fl oz/a		DPRE					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
10	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	89b	96a	97a	93ab	90c
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
11	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE	91ab	98a	98a	98a	95abc
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		1-2 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
LSD (P=.05)									5.3	8.5	8.6	8.5	5.2
Standard Deviation									3.7	5.9	5.9	5.9	3.6
CV									4.75	6.81	6.96	6.95	4.48

Replicate F	0.636	1.137	1.095	0.557	0.635
Replicate Prob(F)	0.5980	0.3500	0.3663	0.6476	0.5986
Treatment F	265.565	98.500	101.898	102.289	251.590
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 5/30/2012 CONTROL % 21 DAT 0	AESIN 6/5/2012 CONTROL % 27 DAT 0	AESIN 6/20/2012 CONTROL % 42 DAT 0	AESIN 7/5/2012 CONTROL % 57 DAT 0	CYPIR 5/14/2012 CONTROL % 5 DAT 0
									16	17	18	19	20
1	Nontreated								0c	0c	0c	0b	0c
2	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	98a	98a	98a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
3	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	98a	98a	98a	98a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
4	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	98a	98a	98a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
5	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	98a	98a	98a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
6	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	98a	98a	98a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	96a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
8	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE	89b	98a	95b	94a	93b
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
9	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	DPRE	96a	95b	98a	94a	97a
	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
10	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	98a	98a	98a	97a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	1-2 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
LSD (P=.05)									6.1	1.7	1.6	4.5	2.4
Standard Deviation									4.2	1.2	1.1	3.1	1.7
CV									4.79	1.3	1.28	3.53	1.92

Replicate F	0.730	0.863	1.000	0.507	0.686
Replicate Prob(F)	0.5423	0.4712	0.4064	0.6803	0.5679
Treatment F	193.789	2602.321	2682.853	353.580	1192.515
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 5/30/2012 CONTROL % 21 DAT 0	CYPES 5/14/2012 CONTROL % 5 DAT 0	CYPES 6/5/2012 CONTROL % 27 DAT 0	CYPES 6/20/2012 CONTROL % 42 DAT 0	CYPES 7/5/2012 CONTROL % 57 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
1	Nontreated								0d	0c	0d	0f	0b
2	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	92a	89a	97ab	92bcd	94a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
3	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	93a	93a	97ab	90d	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
4	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	86a	98a	94a-d	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
5	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	94a	98a	95abc	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
6	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	98a	91a	98a	97a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89a	98a	97a	98a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF					
8	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE	40c	50b	80c	84e	98a
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
9	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	DPRE	82b	85a	92b	91cd	98a
	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
10	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	92a	85a	97ab	94a-d	94a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89a	98a	97ab	98a
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	1-2 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	LSD (P=.05)								8.7	11.0	5.5	4.8	5.3
	Standard Deviation								6.0	7.6	3.8	3.3	3.6
	CV								7.44	9.82	4.41	3.9	4.12

Replicate F	1.047	0.342	0.633	0.376	2.222
Replicate Prob(F)	0.3861	0.7952	0.5993	0.7711	0.1060
Treatment F	111.305	55.604	234.024	295.529	259.645
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
Pest Code									ALRPH	ALRPH	ALRPH	CNPPA	CNPPA
Rating Date									5/14/2012	5/30/2012	6/5/2012	5/14/2012	6/5/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									5 DAT	21 DAT	27 DAT	5 DAT	27 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0e	0c	0c	0c	0c
2	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	25cd	0c	75ab	93a	98a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
3	League	75%AW/W		0.3	lb ai/a	6.4	oz/a	PRE	30a-d	0c	73ab	94a	98a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
4	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	36a	93a	81a	90a	98a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
5	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	31abc	0c	73ab	95a	98a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
6	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	23d	0c	76ab	91a	98a
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	PFLD					
7	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	28bcd	0c	68b	91a	98a
	Permit	75%AW/W		0.047	lb ai/a	1	oz/a	3-4 LEAF					
	Stam M4	4LBA/GAL		4	lb ai/a	4	qt/a	3-4 LEAF					
8	Bolero	8LBA/GAL		3	lb ai/a	48	fl oz/a	DPRE	25cd	85a	79ab	43b	98a
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
9	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	DPRE	34ab	93a	76ab	91a	98a
	Bolero	8LBA/GAL		3	lb ai/a	48	fl oz/a	DPRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
10	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	PRE	35ab	50b	80a	90a	96b
	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
11	Command	3LBA/GAL		0.3	lb ai/a	12.8	fl oz/a	PRE	30a-d	86a	76ab	90a	98a
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	1-2 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
	League	75%AW/W		0.15	lb ai/a	3.2	oz/a	3-4 LEAF					
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF					
	Dyne-A-Pak	100%		1	% v/v	1	% v/v	3-4 LEAF					
LSD (P=.05)									8.6	10.2	11.7	9.0	1.7
Standard Deviation									5.9	7.1	8.1	6.3	1.2
CV									22.01	19.19	11.74	7.95	1.36

Replicate F	2.387	1.050	1.102	0.677	1.000
Replicate Prob(F)	0.0887	0.3849	0.3635	0.5727	0.4064
Treatment F	11.250	153.406	32.846	91.933	2392.200
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/14/2012 INJURY % 5 DAT 0 31	RICE 5/30/2012 INJURY % 21 DAT 0 32	RICE 6/5/2012 INJURY % 27 DAT 0 33	RICE 6/20/2012 INJURY % 42 DAT 0 34	RICE 7/5/2012 INJURY % 57 DAT 0 35	RICE 8/6/2012 HEIGHT cm HARVEST 0 36
1	Nontreated								0b	0a	0a	0a	0a	98a
2	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	14a	0a	0a	0a	0a	111a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF						
3	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	11a	0a	0a	0a	0a	109a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF						
4	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	5ab	0a	0a	0a	0a	362a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF						
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
5	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	8ab	0a	0a	0a	0a	107a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF						
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
6	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	11a	0a	0a	0a	0a	112a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6ab	0a	0a	0a	0a	114a
	Permit	75%	AW/W	0.047	lb ai/a	1	oz/a	3-4 LEAF						
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF						
8	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE	0b	0a	0a	0a	0a	110a
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
9	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	DPRE	0b	0a	0a	0a	0a	114a
	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE						
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
10	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	11a	0a	0a	0a	0a	113a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	9ab	0a	0a	0a	0a	112a
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	1-2 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF						
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF						
LSD (P=.05)									8.8	0.0	0.0	0.0	0.0	216.5
Standard Deviation									6.1	0.0	0.0	0.0	0.0	149.9
CV									89.59	0.0	0.0	0.0	0.0	112.87

Replicate F	0.609	0.000	0.000	0.000	0.000	0.931
Replicate Prob(F)	0.6143	1.0000	1.0000	1.0000	1.0000	0.4376
Treatment F	2.726	0.000	0.000	0.000	0.000	1.032
Treatment Prob(F)	0.0164	1.0000	1.0000	1.0000	1.0000	0.4418

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/7/2012 LENGTH ft HARVEST 1	RICE 8/7/2012 WEIGHT g/plot HARVEST 0	RICE 8/7/2012 MOISTURE % HARVEST 0
									37	38	39	40	41
1	Nontreated								99c	99a	13.9a	156c	23a
2	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	114a	112a	13.9a	3052ab	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
3	League	75%AW/W		0.3lb	ai/a	6.4oz/a		PRE	113ab	111a	13.9a	3247a	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
4	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	111ab	237a	13.9a	3047ab	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
5	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	107ab	107a	13.9a	3122a	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
6	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	112ab	112a	13.9a	3643a	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		PFLD					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD					
7	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE	114ab	114a	13.9a	2918ab	23a
	Permit	75%AW/W		0.047lb	ai/a	1oz/a		3-4 LEAF					
	Stam M4	4LBA/GAL		4lb	ai/a	4qt/a		3-4 LEAF					
8	Bolero	8LBA/GAL		3lb	ai/a	48fl oz/a		DPRE	107b	108a	13.9a	2194b	22a
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
9	League	75%AW/W		0.15lb	ai/a	3.2oz/a		DPRE	113ab	113a	13.9a	2803ab	23a
	Bolero	8LBA/GAL		3lb	ai/a	48fl oz/a		DPRE					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
10	League	75%AW/W		0.15lb	ai/a	3.2oz/a		PRE	112ab	113a	13.9a	3200a	23a
	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
11	Command	3LBA/GAL		0.3lb	ai/a	12.8fl oz/a		PRE	110ab	111a	13.9a	3056ab	23a
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		1-2 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
	League	75%AW/W		0.15lb	ai/a	3.2oz/a		3-4 LEAF					
	Regiment	80%		0.02lb	ai/a	0.4oz/a		3-4 LEAF					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF					
LSD (P=.05)									7.1	108.0	0.00	926.8	0.6
Standard Deviation									4.9	74.8	0.00	641.8	0.4
CV									4.47	61.59	0.0	23.2	1.69

Replicate F	4.467	0.837	0.000	1.597	0.097
Replicate Prob(F)	0.0104	0.4844	1.0000	0.2107	0.9611
Treatment F	3.300	1.053	0.000	8.470	1.000
Treatment Prob(F)	0.0054	0.4260	1.0000	0.0001	0.4654

LSU AgCenter SPESS

League as a PRE in Rice Program

Trial ID:C12-35 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-35 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 YIELD LB HARVEST 0	RICE 8/7/2012 YIELD KG HARVEST 0
	Pest Code									
	Rating Date								8/7/2012	8/7/2012
	Rating Type								YIELD	YIELD
	Rating Unit								LB	KG
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	Nontreated								315c	350c
2	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	6229ab	6902ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF		
3	League	75%	AW/W	0.3	lb ai/a	6.4	oz/a	PRE	6617a	7333a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF		
4	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	6208ab	6879ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF		
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
5	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	6347ab	7033ab
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF		
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
6	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	7420a	8222a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	PFLD		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	PFLD		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5945ab	6588ab
	Permit	75%	AW/W	0.047	lb ai/a	1	oz/a	3-4 LEAF		
	Stam M4	4	LBA/GAL	4	lb ai/a	4	qt/a	3-4 LEAF		
8	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE	4518b	5006b
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
9	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	DPRE	5713ab	6330ab
	Bolero	8	LBA/GAL	3	lb ai/a	48	fl oz/a	DPRE		
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
10	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	PRE	6521a	7226a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	6229ab	6903ab
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	1-2 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
	League	75%	AW/W	0.15	lb ai/a	3.2	oz/a	3-4 LEAF		
	Regiment	80%		0.02	lb ai/a	0.4	oz/a	3-4 LEAF		
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	3-4 LEAF		
	LSD (P=.05)								1899.8	2105.2
	Standard Deviation								1315.7	1458.0
	CV								23.32	23.32

Replicate F	1.597	1.597
Replicate Prob(F)	0.2107	0.2107
Treatment F	8.347	8.347
Treatment Prob(F)	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Experiment number	:	**C12-36**
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	:	4/11/12
Harvest date	:	8/7/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:	EPOST	LPOST
Date applied [mm/dd/yy]	:	04/30/12	05/14/12
Time [hh:mm-hh:mm]	:	12:10-12:25P	1:50-2:00P
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	84/78	82/72
Relative humidity [%]	:	56	41
Wind [mph, direction]	:	2-7/SSE	5/NNE
Weather [sunny, etc]	:	pt. cloudy	sunny
Soil/Leaf surface moist	:	moist/dry	wet/dry
Crop stage/Height	:	2-3lf/2-4"	3-4lf/3-5"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/22	15/24
Applied by	:	EPW	JCF

Weed Species (population)	:	---------- (height/#leaves) ----------	
BRAPP(100-150m^{-2})	:	0.5-3"/1-4lf	1-3"/2-3lf
ECHCG(10-20m^{-2})	:	0.5-2"/1-2lf	1-3"/2-3lf
SEBEX(2-5m^{-2})……:……	:	1-3"/1-2lf	1-3"/2-3lf
CYPES(4-6m^{-2})	:	2-6"/3-9lf	1-3"/3-6lf
CYPIR(4-6m^{-2})	:	1-3"/1-3lf	

Flush Dates	:	4/12/12, 4/24/12, 5/9/12, 5/16/12,
Permanent Flood	:	5/23/12

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date								6/1/2012	6/5/2012	6/20/2012	7/5/2012	6/1/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	21 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	96ab	93bc	93abc	94a	98a
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
2	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	95a	98a	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
3	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	92c	93abc	94a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
4	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	96abc	94ab	96a	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
5	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	97ab	93abc	96a	98a
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
6	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97ab	96abc	93abc	96a	98a
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	97a	91bcd	94a	98a
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97ab	98a	90cd	93a	97b
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	LPOST					
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97ab	98a	94ab	98a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1	% v/v	1	% v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					

Agri-Dex	100%	1% v/v	1% v/v	LPOST					

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
	Rating Date								6/1/2012	6/5/2012	6/20/2012	7/5/2012	6/1/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	21 DAT	35 DAT	50 DAT	16 DAT
	Number of Decimals								0	0	0	0	0
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	96b	95abc	89d	97a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	LPOST					
11	Nontreated								0c	0d	0e	0b	0c
	LSD (P=.05)								2.2	4.4	3.2	6.6	0.8
	Standard Deviation								1.5	3.1	2.2	4.6	0.5
	CV								1.71	3.51	2.65	5.26	0.59
	Replicate F								1.918	0.948	6.611	0.286	1.000
	Replicate Prob(F)								0.1479	0.4297	0.0015	0.8352	0.4064
	Treatment F								1501.748	358.612	630.908	159.572	12769.135
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								BRAPP	BRAPP	BRAPP	AESIN	AESIN
Rating Date								6/5/2012	6/20/2012	7/5/2012	6/1/2012	7/5/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								21 DAT	35 DAT	50 DAT	16 DAT	50 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97b	97a	98a	98a	94b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
2	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	98a	98a	96b	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
3	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	97a	98a	98a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
4	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
5	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	97a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
6	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	97a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	98a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98ab	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					

Agri-Dex	100%	1% v/v	1% v/v	LPOST					

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								BRAPP	BRAPP	BRAPP	AESIN	AESIN
	Rating Date								6/5/2012	6/20/2012	7/5/2012	6/1/2012	7/5/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								21 DAT	35 DAT	50 DAT	16 DAT	50 DAT
	Number of Decimals								0	0	0	0	0
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	97a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	LPOST					
11	Nontreated								0c	0b	0b	0c	0c
	LSD (P=.05)								0.8	1.6	0.0	1.7	3.9
	Standard Deviation								0.6	1.1	0.0	1.2	2.7
	CV								0.66	1.24	0.0	1.36	3.06
	Replicate F								1.786	0.625	0.000	1.000	1.000
	Replicate Prob(F)								0.1711	0.6044	1.0000	0.4064	0.4064
	Treatment F								10227.805	2880.349	0.000	2392.200	470.916
	Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	CYPES
Rating Date								6/1/2012	6/5/2012	6/20/2012	7/5/2012	6/1/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	21 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0c	0d	0d	61c	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
2	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	87b	80c	66c	83b	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
3	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	92ab	90b	79b	80b	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
4	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	92ab	94ab	80b	86b	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
5	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97a	98a	98a	96a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
6	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	97a	98a	96a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	96a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	95a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					

Agri-Dex	100%	1% v/v	1% v/v	LPOST					

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	CYPES
Rating Date								6/1/2012	6/5/2012	6/20/2012	7/5/2012	6/1/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								16 DAT	21 DAT	35 DAT	50 DAT	16 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	97a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	LPOST					
11	Nontreated								0c	0d	0d	0d	0b
LSD (P=.05)									6.7	6.0	11.5	8.3	0.4
Standard Deviation									4.6	4.2	8.0	5.7	0.3
CV									5.95	5.4	10.83	7.1	0.28
Replicate F									1.762	0.837	2.657	1.096	5.714
Replicate Prob(F)									0.1756	0.4843	0.0663	0.3659	0.0032
Treatment F									278.539	342.235	90.502	102.927	54769.005
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date									6/5/2012	6/20/2012	7/5/2012	6/1/2012	6/20/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									21 DAT	35 DAT	50 DAT	16 DAT	35 DAT
Number of Decimals									0	0	0	0	0
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	96b	94b	98a	97b
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	97a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST					

Agri-Dex	100%	1% v/v	1% v/v	LPOST					

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date								6/5/2012	6/20/2012	7/5/2012	6/1/2012	6/20/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								21 DAT	35 DAT	50 DAT	16 DAT	35 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	98a	98a	98a	98a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST					
11	Nontreated								0b	0c	0c	0b	0c
LSD (P=.05)									0.4	1.0	3.9	0.0	0.8
Standard Deviation									0.3	0.7	2.7	0.0	0.5
CV									0.33	0.76	3.06	0.0	0.59
Replicate F									1.379	0.000	1.000	0.000	1.000
Replicate Prob(F)									0.2681	1.0000	0.4064	1.0000	0.4064
Treatment F									39660.314	7717.566	470.916	0.000	12769.135
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25	26
Pest Code									CYPIR	ALRPH	ALRPH	RICE	RICE	RICE
Rating Date									7/5/2012	6/5/2012	6/20/2012	6/1/2012	6/5/2012	6/20/2012
Rating Type									CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									50 DAT	21 DAT	35 DAT	16 DAT	21 DAT	35 DAT
Number of Decimals									0	0	0	0	0	0
1	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	74a	35a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
2	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	75a	31a	0a	0a	0a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
3	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	76a	34a	0a	0a	0a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
4	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	75a	38a	0a	0a	0a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
5	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	76a	39a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
6	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	74a	40a	0a	1a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	79a	36a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	75a	36a	0a	0a	0a
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	81a	40a	0a	0a	0a
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST						

Agri-Dex	100%	1% v/v	1% v/v	LPOST						

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25	26
Pest Code									CYPIR	ALRPH	ALRPH	RICE	RICE	RICE
Rating Date									7/5/2012	6/5/2012	6/20/2012	6/1/2012	6/5/2012	6/20/2012
Rating Type									CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									50 DAT	21 DAT	35 DAT	16 DAT	21 DAT	35 DAT
Number of Decimals									0	0	0	0	0	0
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	98a	83a	34a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	EPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	EPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	LPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	LPOST						
11	Nontreated								0b	0b	0b	0a	0a	0a
LSD (P=.05)									0.0	10.3	9.8	0.0	1.1	0.0
Standard Deviation									0.0	7.1	6.8	0.0	0.8	0.0
CV									0.0	10.23	20.65	0.0	663.33	0.0
Replicate F									0.000	1.341	1.783	0.000	1.000	0.000
Replicate Prob(F)									1.0000	0.2795	0.1717	1.0000	0.4064	1.0000
Treatment F									0.000	42.694	10.962	0.000	1.000	0.000
Treatment Prob(F)									1.0000	0.0001	0.0001	1.0000	0.4654	1.0000

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Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/5/2012 INJURY % 50 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/7/2012 LENGTH ft HARVEST 1	RICE 8/7/2012 WEIGHT g/plot HARVEST 0
									27	28	29	30	31	32
1	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	112a	112a	112a	15.3a	2014d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
2	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	111a	110a	110a	15.3a	3609ab
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
3	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	110a	111a	110a	15.3a	2933bc
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
4	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	106a	109a	108a	15.3a	3293ab
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
5	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	109a	108a	108a	15.3a	3837a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
6	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	109a	108a	109a	15.3a	3521ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	109a	109a	109a	15.3a	3353ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	109a	111a	110a	15.3a	3642ab
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0176	lb ai/a	0.375	oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST						
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	110a	112a	111a	15.3a	2946bc
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	EPOST						
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75%AW/W		0.0234	lb ai/a	0.5	oz/a	LPOST						

Agri-Dex	100%	1% v/v	1% v/v	LPOST						

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Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
Rating Date								7/5/2012	8/6/2012	8/6/2012	8/6/2012	8/7/2012	8/7/2012
Rating Type								INJURY	HEIGHT	HEIGHT	AVG HT	LENGTH	WEIGHT
Rating Unit								%	cm	cm	cm	ft	g/plot
Trt-Eval Interval								50 DAT	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	1	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	27	28	29	30	31	32
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	109a	112a	110a	15.3a	2406cd
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	EPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	EPOST						
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz/a	LPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	LPOST						
11	Nontreated								0a	89b	90b	89b	15.3a	738e
LSD (P=.05)									0.0	7.1	8.6	7.5	0.00	785.5
Standard Deviation									0.0	4.9	5.9	5.2	0.00	542.4
CV									0.0	4.57	5.5	4.81	0.0	18.48
Replicate F									0.000	4.397	2.654	3.580	0.000	10.412
Replicate Prob(F)									1.0000	0.0112	0.0665	0.0252	1.0000	0.0001
Treatment F									0.000	6.886	4.600	5.984	0.000	11.377
Treatment Prob(F)									1.0000	0.0001	0.0005	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
1	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	3811d	4271d
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
2	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	6831ab	7656ab
	Permit Plus	75%	AW/W	0.0176	lb ai/a	0.375	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
3	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	5551bc	6221bc
	Permit Plus	75%	AW/W	0.0234	lb ai/a	0.5	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	6233ab	6986ab
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
5	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	7261a	8139a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.0176	lb ai/a	0.375	oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
6	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	6664ab	7469ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.0234	lb ai/a	0.5	oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
7	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	6346ab	7113ab
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
8	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	6892ab	7725ab
	Permit Plus	75%	AW/W	0.0176	lb ai/a	0.375	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.0176	lb ai/a	0.375	oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
9	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	5575bc	6249bc
	Permit Plus	75%	AW/W	0.0234	lb ai/a	0.5	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.0234	lb ai/a	0.5	oz/a	LPOST			

Agri-Dex	100%	1% v/v	1% v/v	LPOST			

LSU AgCenter SPESS

Evaluation of Permit Plus Rates and Timings in Clearfield Rice

Trial ID:C12-36 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-36 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 MOISTURE % HARVEST 1 33	RICE 8/7/2012 YIELD LB HARVEST 0 34	RICE 8/7/2012 YIELD KG/HA HARVEST 0 35
10	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	21.3a	4553cd	5103cd
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	LPOST			
	Agri-Dex	100%		1%	v/v	1%	v/v	LPOST			
11	Nontreated								21.3a	1398e	1566e
LSD (P=.05)									0.00	1486.6	1666.3
Standard Deviation									0.00	1026.6	1150.6
CV									0.0	18.48	18.48
Replicate F									0.000	10.412	10.412
Replicate Prob(F)									1.0000	0.0001	0.0001
Treatment F									0.000	11.377	11.377
Treatment Prob(F)									1.0000	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
League with RiceBeaux Combination Study

Experiment number	:	**C12-38**	
Location	:	RRS-Crowley, LA	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Crowley silt loam (3% sand, 69% silt, 28% clay)	
% OM	:	1.4	
pH	:	6.4	
CEC	:	19.1	
Planting date	:	4/11/12	
Harvest date	:	8/13/12	
Crop/Variety	:	CL161	
Emergence date	:	4/23/12	
Uniform std. treatment	:	N/A	
Application type	:	EPOST	Overspray Ricestar
Date applied [mm/dd/yy]	:	05/08/12	05/22/12
Time [hh:mm-hh:mm]	:	1:30-1:45P	
Incorporation equip./Depth	:	N/A	
Air/Soil temperature [F]	:	85/83	81
Relative humidity [%]	:	54	68
Wind [mph, direction]	:	5-7/E	5/NNW
Weather [sunny, etc]	:	pt. cloudy	sunny
Soil/Leaf surface moist	:	wet/dry	
Crop stage/Height	:	2-4lf/2-6"	
Sprayer type/MPH	:	CO_2BkPk/3	
Nozzle type/Size*	:	AMFF/110015	
Boom ht/# Noz/Spacing	:	18/5/15	
GPA/PSI	:	15/24	
Applied by	:	JCF	NDF
Weed Species (population)	:-	(height/#leaves) -	
BRAPP(100-120m^{-2})	:	1-4"/1-4lf	
ECHCG(25-50m^{-2})	:	1-4"/1-4lf	
ALRPH(8-15m^{-2})	:	1-8"/5-30lf	
CYPES(5-10m^{-2})	:	2-6"/3-9lf	
CYPIR(150-200m^{-2})	:	0.5-2"/3-6lf	
AESIN(5-8m^{-2})	:	1-3"/cot-4lf	
SEBEX(2-4m^{-2})	:	1-8"/cot-8lf	
Flush Dates	:	4/11/12, 4/24/12, 5/9/12, 5/16/12,	
Permanent Flood	:	5/23/12	

*AMFF – Air mix flat fan nozzles

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League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ALRPH	ALRPH	CYPIR	CYPIR	ECHCG
	Rating Date								5/21/2012	5/30/2012	5/30/2012	6/5/2012	5/21/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%			%	%
	Trt-Eval Interval								13 DAT	22 DAT	22 DAT	28 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0d	0c	0b	0b	0d
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	39c	63b	95a	95a	56b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	43abc	69ab	95a	95a	88a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	53ab	70ab	95a	95a	88a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	51ab	80a	95a	95a	75a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	54a	75ab	95a	95a	88a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	41bc	81a	95a	95a	31c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	45abc	79a	95a	95a	81a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	44abc	80a	95a	95a	83a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								11.9	13.0	0.0	0.0	14.8
	Standard Deviation								8.2	8.9	0.0	0.0	10.1
	CV								19.95	13.4	0.0	0.0	15.43
	Replicate F								0.205	2.501	0.000	0.000	1.161
	Replicate Prob(F)								0.8923	0.0836	1.0000	1.0000	0.3451
	Treatment F								15.811	33.388	0.000	0.000	37.495
	Treatment Prob(F)								0.0001	0.0001	1.0000	1.0000	0.0001

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League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date									5/30/2012	6/5/2012	6/18/2012	7/4/2012	5/21/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit										%	%	%	%
Trt-Eval Interval									22 DAT	28 DAT	41 DAT	57 DAT	13 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0c	0d	0f
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	90a	59b	20c	40d
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	91a	85a	30abc	78a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	91a	88a	40a	73abc
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	91a	89a	25bc	64c
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	94a	90a	38ab	75ab
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	91a	50b	0d	23e
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	91a	91a	43a	66bc
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	90a	92a	38ab	65bc
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									0.0	6.7	12.9	12.8	10.8
Standard Deviation									0.0	4.6	8.8	8.8	7.4
CV									0.0	5.67	12.39	33.99	13.78
Replicate F									0.000	0.877	1.975	2.054	1.849
Replicate Prob(F)									1.0000	0.4670	0.1446	0.1331	0.1652
Treatment F									0.000	175.422	48.516	13.865	53.182
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001	0.0001

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League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								BRAPP	BRAPP	BRAPP	BRAPP	CYPES
	Rating Date								5/30/2012	6/5/2012	6/18/2012	7/4/2012	5/21/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit									%	%	%	%
	Trt-Eval Interval								22 DAT	28 DAT	41 DAT	57 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0b	0b	0c	0b	0d
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	65b	95a	49c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	92a	95a	88ab
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	95a	95a	88ab
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	92a	95a	48c
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	94a	95a	86b
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	60b	95a	90ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	95a	95a	95ab
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	94a	95a	97a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								0.0	0.0	11.1	0.0	10.1
	Standard Deviation								0.0	0.0	7.6	0.0	6.9
	CV								0.0	0.0	9.96	0.0	9.73
	Replicate F								0.000	0.000	0.167	0.000	0.481
	Replicate Prob(F)								1.0000	1.0000	0.9179	1.0000	0.6987
	Treatment F								0.000	0.000	69.293	0.000	88.581
	Treatment Prob(F)								1.0000	1.0000	0.0001	1.0000	0.0001

LSU AgCenter SPESS

League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
Pest Code									CYPES	CYPES	CYPES	CYPES	SEBEX
Rating Date									5/30/2012	6/5/2012	6/18/2012	7/4/2012	5/21/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit										%	%	%	%
Trt-Eval Interval									22 DAT	28 DAT	41 DAT	57 DAT	13 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0b	0c	0b	0d
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	95b	95a	93c
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97ab	95a	97ab
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97ab	95a	98a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97ab	95a	96b
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	95ab	95a	97ab
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	97a	95a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	97ab	95a	97ab
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	97a	95a	98a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									0.0	0.0	2.3	0.0	2.1
Standard Deviation									0.0	0.0	1.6	0.0	1.5
CV									0.0	0.0	1.82	0.0	1.71
Replicate F									0.000	0.000	9.259	0.000	3.370
Replicate Prob(F)									1.0000	1.0000	0.0003	1.0000	0.0350
Treatment F									0.000	0.000	1704.514	0.000	1932.264
Treatment Prob(F)									1.0000	1.0000	0.0001	1.0000	0.0001

LSU AgCenter SPESS

League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
	Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	AESIN
	Rating Date								5/30/2012	6/5/2012	6/18/2012	7/4/2012	5/21/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit									%	%	%	%
	Trt-Eval Interval								22 DAT	28 DAT	41 DAT	57 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
1	Nontreated								0c	0c	0c	0b	0c
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	90b	96b	95a	91b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	94ab	98a	95a	97a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	94ab	97a	95a	96a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	98a	95a	97a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	98a	95a	98a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	98a	95a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	94ab	98a	95a	98a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	94b	94ab	98a	95a	98a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								1.2	4.3	1.0	0.0	3.0
	Standard Deviation								0.8	2.9	0.7	0.0	2.1
	CV								0.99	3.54	0.8	0.0	2.42
	Replicate F								1.000	0.640	1.391	0.000	2.187
	Replicate Prob(F)								0.4098	0.5967	0.2696	1.0000	0.1158
	Treatment F								5758.001	451.080	8844.711	0.000	961.363
	Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30	31
	Pest Code								AESIN	AESIN	AESIN	AESIN	RICE	RICE
	Rating Date								5/30/2012	6/5/2012	6/18/2012	7/4/2012	5/21/2012	5/30/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
	Rating Unit									%	%	%	%	
	Trt-Eval Interval								22 DAT	28 DAT	41 DAT	57 DAT	13 DAT	22 DAT
	Number of Decimals								0	0	0	0	0	0
1	Nontreated								0b	0b	0b	0b	0d	0b
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97a	95a	15c	5a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	98a	95a	23abc	5a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97a	95a	26ab	5a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97a	95a	26ab	5a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST						
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	95a	95a	97a	95a	30a	5a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	98a	95a	15c	5a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	98a	95a	26ab	5a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	95a	95a	97a	95a	20bc	6a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
	LSD (P=.05)								0.0	0.0	1.8	0.0	9.2	2.2
	Standard Deviation								0.0	0.0	1.2	0.0	6.3	1.5
	CV								0.0	0.0	1.41	0.0	31.35	33.2
	Replicate F								0.000	0.000	0.620	0.000	0.621	1.900
	Replicate Prob(F)								1.0000	1.0000	0.6091	1.0000	0.6082	0.1566
	Treatment F								0.000	0.000	2848.118	0.000	8.443	5.400
	Treatment Prob(F)								1.0000	1.0000	0.0001	1.0000	0.0001	0.0006

LSU AgCenter SPESS

League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/5/2012 INJURY % 28 DAT 0	RICE 6/18/2012 INJURY % 41 DAT 0	RICE 7/4/2012 INJURY % 57 DAT 0	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 HEIGHT cm HARVEST 0	RICE 8/13/2012 AVG HT cm HARVEST 0
									32	33	34	35	36	37
1	Nontreated								0a	0a	0a	101ab	99a	100a
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	0a	0a	0a	96bc	96a	96a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	0a	0a	0a	96bc	97a	96a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	0a	0a	0a	96bc	83a	89a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	0a	0a	0a	93c	94a	93a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST						
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	0a	0a	0a	99abc	98a	98a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	0a	0a	0a	94c	94a	94a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	0a	0a	0a	103a	100a	101a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	0a	0a	0a	104a	101a	102a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
LSD (P=.05)									0.0	0.0	0.0	6.3	14.4	9.3
Standard Deviation									0.0	0.0	0.0	4.3	9.9	6.4
CV									0.0	0.0	0.0	4.45	10.33	6.61
Replicate F									0.000	0.000	0.000	4.201	1.681	1.632
Replicate Prob(F)									1.0000	1.0000	1.0000	0.0160	0.1977	0.2083
Treatment F									0.000	0.000	0.000	3.196	1.216	1.726
Treatment Prob(F)									1.0000	1.0000	1.0000	0.0129	0.3317	0.1434

LSU AgCenter SPESS

League with RiceBeaux combination study

Trial ID:C12-38 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-38 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/13/2012 WEIGHT g/plot HARVEST 0	RICE 8/13/2012 MOISTURE % HARVEST 1	RICE 8/13/2012 YIELD lb/ac HARVEST 0	RICE 8/13/2012 YIELD KG/HA HARVEST 0
									38	39	40	41
1	Nontreated								1044a	21.2a	2329a	2610a
2	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	1779a	21.8a	3939a	4415a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST				
3	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	2027a	21.5a	4500a	5044a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST				
4	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	2225a	21.9a	4918a	5512a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST				
5	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	1960a	21.7a	4342a	4867a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST				
6	League	75%	AW/W	0.188	lb ai/a	4	oz/a	EPOST	1998a	20.9a	4474a	5014a
	RiceBeaux	3	LB/GAL	3	qt/a	3	qt/a	EPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST				
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	1743a	21.3a	3883a	4353a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST				
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	2194a	21.6a	4873a	5461a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST				
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	1909a	21.7a	4231a	4743a
	RiceBeaux	3	LB/GAL	2	qt/a	2	qt/a	EPOST				
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST				
LSD (P=.05)									681.8	1.18	1511.7	1694.4
Standard Deviation									466.0	0.81	1033.3	1158.2
CV									24.85	3.75	24.81	24.81
Replicate F									0.828	0.022	0.841	0.841
Replicate Prob(F)									0.4920	0.9954	0.4853	0.4853
Treatment F									2.273	0.662	2.254	2.254
Treatment Prob(F)									0.0590	0.7188	0.0609	0.0609

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Evaluation of Command with Surfactants at EPOST

Experiment number..... : **C12-39**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1
Planting date ..... : 4/12/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 4/25/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/08/12
Time [hh:mm-hh:mm]..... : 11:09-11:40A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 77/80
Relative humidity [%] ..... : 80
Wind [mph, direction] ..... : 2-5/E
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 2-4/2-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---- (height/#leaves) ----
BRAPP(150-200m^{-2}) ..... : 1-4"/1-4lf
ECHCG(50-80m^{-2}) ..... : 1-4"/1-4lf
CYPIR(150-200m^{-2}) ..... : 0.5-2"/3-6lf
SEBEX(2-5"m^{-2}) ..... : 1-8"/2-8lf

Flush Dates..... : 4/24, 5/9, 5/16
Permanent Flood ..... : 5/23

*AMFF – Air mix flat fan nozzles

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Evaluation of Command with Surfactants at EPOST

Trial ID:C12-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-39 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								BRAPP	BRAPP	ECHCG	ECHCG	SEBEX
	Rating Date								5/22/2012	6/7/2012	5/22/2012	6/7/2012	5/22/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								14 DAT	30 DAT	14 DAT	30 DAT	14 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	38ab	19ab	34ab	31abc	81bc
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	44a	19ab	48a	34ab	79c
	MSO	100%		1%	v/v	1%	v/v	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	26b	18b	26b	31abc	85abc
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	41a	23a	44a	35a	80bc
	No surfactant												
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	43a	20ab	44a	28bc	91a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	40a	21ab	43a	29abc	86ab
	MSO	100%		1%	v/v	1%	v/v	EPOST					
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	40a	19ab	43a	31abc	89a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	34ab	18b	38ab	31abc	85abc
	No surfactant												
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	41a	20ab	41a	33ab	91a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	41a	20ab	44a	30abc	85abc
	MSO	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	46a	19ab	48a	30abc	90a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST					
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	41a	20ab	40ab	25c	90a
	No surfactant												
13	Nontreated								0c	0c	0c	0d	0d
	LSD (P=.05)								13.4	4.0	14.7	7.0	6.6
	Standard Deviation								9.4	2.8	10.3	4.9	4.6
	CV								25.76	15.58	27.25	17.3	5.77
	Replicate F								2.490	7.898	2.175	14.668	0.884
	Replicate Prob(F)								0.0759	0.0004	0.1079	0.0001	0.4584
	Treatment F								6.565	15.857	6.109	13.183	111.679
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Evaluation of Command with Surfactants at EPOST

Trial ID:C12-39 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-39 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 5/22/2012 CONTROL % 14 DAT 6	RICE 5/22/2012 INJURY % 14 DAT 7	RICE 6/7/2012 INJURY % 30 DAT 8
	Pest Code										
	Rating Date								5/22/2012	5/22/2012	6/7/2012
	Rating Type								CONTROL	INJURY	INJURY
	Rating Unit								%	%	%
	Trt-Eval Interval								14 DAT	14 DAT	30 DAT
	Number of Decimals								0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	48abc	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	40cd	0a	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	45bcd	0a	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	EPOST	44bcd	0a	0a
	No surfactant										
5	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	60a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
6	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	34d	0a	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
7	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	55ab	0a	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
8	Command	3	LBA/GAL	0.6	lb ai/a	25.6	fl oz/a	EPOST	51abc	0a	0a
	No surfactant										
9	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	49abc	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
10	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	41cd	0a	0a
	MSO	100%		1%	v/v	1%	v/v	EPOST			
11	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	39cd	0a	0a
	NIS	100%		0.25%	v/v	0.25%	v/v	EPOST			
12	Command	3	LBA/GAL	1.2	lb ai/a	51	fl oz/a	EPOST	40cd	0a	0a
	No surfactant										
13	Nontreated								0e	0a	0a
	LSD (P=.05)								12.8	0.0	0.0
	Standard Deviation								9.0	0.0	0.0
	CV								21.39	0.0	0.0
	Replicate F								7.429	0.000	0.000
	Replicate Prob(F)								0.0005	1.0000	1.0000
	Treatment F								10.435	0.000	0.000
	Treatment Prob(F)								0.0001	1.0000	1.0000

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Malathion plus Permit Plus Application Timing Salvage

Experiment number..... : **C12-42**
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 ..... : 4/11/12
Harvest date..... : 8/7/12
Crop/Variety ..... : CL161
Emergence date..... : 4/23/12
Uniform std. treatment ..... : N/A

Application type..... : Salvage/3DA
Date applied [mm/dd/yy] ..... : 07/16/12
Time [hh:mm-hh:mm]..... : 8:50-8:55A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 81/82
Relative humidity [%] ..... : 87
Wind [mph, direction] ..... : 1-3/SE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : Heading/55-65"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Flush Dates..... : 4/24, 5/9, 5/16
Permanent Flood ..... : 5/23

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/25/2012 HEIGHT cm 41 DAT 0	RICE 7/25/2012 HEIGHT cm 41 DAT 0	RICE 7/25/2012 HEIGHT cm 41 DAT 0	RICE 7/25/2012 HEIGHT cm 41 DAT 0	RICE 7/25/2012 AVG HT cm 41 DAT 0
									1	2	3	4	5
1	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	108a	109a	108a	108a	108a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D BEFORE												
2	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	111a	109a	109a	110a	110a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D BEFORE												
3	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	110a	108a	108a	111a	109a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	Tankmix												
4	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	110a	110a	112a	111a	111a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D AFTER												
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	110a	105a	107a	107a	107a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D AFTER												
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	107a	108a	109a	109a	108a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	3 D BEFORE												
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	109a	111a	109a	111a	110a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	1 D BEFORE												
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	110a	108a	109a	109a	109a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	Tankmix												
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	113a	113a	109a	110a	111a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	1 D AFTER												
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	110a	108a	109a	109a	109a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	3 D AFTER												
11	No Permit								108a	110a	107a	110a	109a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D BEFORE												
12	No Permit								108a	108a	108a	108a	108a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D BEFORE												

13No Permit Malathion 57 EC Tankmix	8LBA/GAL	1.25lb ai/a	20fl oz/a	SALVAGE	112a	107a	111a	111a	110a

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									7/25/2012	7/25/2012	7/25/2012	7/25/2012	7/25/2012
Rating Type									HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HT
Rating Unit									cm	cm	cm	cm	cm
Trt-Eval Interval									41 DAT	41 DAT	41 DAT	41 DAT	41 DAT
Number of Decimals									0	0	0	0	0
14	No Permit Malathion 57 EC 1 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	110a	108a	106a	107a	108a
15	No Permit Malathion 57 EC 3 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	112a	107a	109a	109a	109a
16	No Permit No Malathion 3 D BEFORE								110a	110a	110a	111a	110a
17	No Permit No Malathion 1 D BEFORE								111a	109a	108a	109a	109a
18	No Permit No Malathion Tankmix								112a	110a	109a	110a	110a
19	No Permit No Malathion 1 D AFTER								110a	110a	108a	110a	109a
20	No Permit No Malathion 3 D AFTER								109a	110a	110a	111a	110a
LSD (P=.05)									4.9	4.2	5.2	4.8	3.4
Standard Deviation									3.5	3.0	3.6	3.4	2.4
CV									3.18	2.75	3.36	3.13	2.23
Replicate F									4.099	3.506	1.901	3.589	4.420
Replicate Prob(F)									0.0105	0.0210	0.1397	0.0190	0.0073
Treatment F									0.719	1.217	0.557	0.547	0.708
Treatment Prob(F)									0.7846	0.2769	0.9205	0.9265	0.7950

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/25/2012 INJURY % 41 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/7/2012 LENGTH ft HARVEST 1
									6	7	8	9	10
1	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	3a	107a	104a	105a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D BEFORE												
2	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	0a	107a	106a	107a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D BEFORE												
3	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	0a	106a	106a	106a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	Tankmix												
4	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	1a	108a	111a	109a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D AFTER												
5	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	4a	106a	109a	107a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D AFTER												
6	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	0a	107a	103a	105a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	3 D BEFORE												
7	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	3a	105a	107a	106a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	1 D BEFORE												
8	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	0a	103a	102a	102a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	Tankmix												
9	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	0a	106a	106a	106a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	1 D AFTER												
10	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz/a	SALVAGE	1a	111a	108a	109a	14.1a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE					
	No Malathion												
	3 D AFTER												
11	No Permit								0a	108a	106a	107a	14.1a
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	3 D BEFORE												
12	No Permit								0a	103a	104a	103a	14.1a
	Malathion 57 EC	8LBA/GAL		1.25	lb ai/a	20	fl oz/a	SALVAGE					
	1 D BEFORE												

13No Permit Malathion 57 EC Tankmix	8LBA/GAL	1.25lb ai/a	20fl oz/a	SALVAGE	0a	108a	109a	108a	14.1a

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/25/2012 INJURY % 41 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/7/2012 LENGTH ft HARVEST 1
									6	7	8	9	10
14	No Permit Malathion 57 EC 1 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	1a	106a	106a	106a	14.1a
15	No Permit Malathion 57 EC 3 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	0a	107a	110a	108a	14.1a
16	No Permit No Malathion 3 D BEFORE								0a	107a	105a	106a	14.1a
17	No Permit No Malathion 1 D BEFORE								1a	106a	106a	106a	14.1a
18	No Permit No Malathion Tankmix								0a	109a	109a	109a	14.1a
19	No Permit No Malathion 1 D AFTER								0a	107a	110a	108a	14.1a
20	No Permit No Malathion 3 D AFTER								1a	108a	110a	109a	14.1a
LSD (P=.05)									2.4	5.0	5.6	4.5	0.00
Standard Deviation									1.7	3.5	3.9	3.2	0.00
CV									221.64	3.28	3.7	2.96	0.0
Replicate F									0.603	0.889	0.904	0.548	0.000
Replicate Prob(F)									0.6156	0.4524	0.4450	0.6517	1.0000
Treatment F									1.762	1.093	1.710	1.498	0.000
Treatment Prob(F)									0.0517	0.3817	0.0615	0.1217	1.0000

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 WEIGHT g/plot HARVEST 0	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB/A HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
	Pest Code											
	Rating Date											
	Rating Type											
	Rating Unit											
	Trt-Eval Interval											
	Number of Decimals											
1	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2428a	22.1a	4950a	5549a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	3 D BEFORE											
2	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2967a	20.8a	6133a	6874a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	1 D BEFORE											
3	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2407a	21.1a	4951a	5549a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	Tankmix											
4	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2880a	21.8a	5865a	6574a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	1 D AFTER											
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2210a	22.5a	4475a	5016a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	3 D AFTER											
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2417a	22.9a	4889a	5479a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	No Malathion											
	3 D BEFORE											
7	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2266a	21.4a	4647a	5208a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	No Malathion											
	1 D BEFORE											
8	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2584a	21.2a	5314a	5956a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	No Malathion											
	Tankmix											
9	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2802a	21.6a	5732a	6425a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	No Malathion											
	1 D AFTER											
10	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	SALVAGE	2387a	22.1a	4871a	5459a
	Agri-Dex	100%		1%	v/v	1%	v/v	SALVAGE				
	No Malathion											
	3 D AFTER											
11	No Permit								2667a	22.2a	5436a	6093a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	3 D BEFORE											
12	No Permit								2373a	21.3a	4901a	5493a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE				
	1 D BEFORE											

13No Permit Malathion 57 EC Tankmix	8LBA/GAL	1.25lb ai/a	20fl oz/a	SALVAGE	2644a	21.2a	5416a	6070a

LSU AgCenter SPESS

Malathion + Permit Plus Application Timing Salvage

Trial ID:C12-42 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-42 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 WEIGHT g/plot HARVEST 0	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB/A HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
	Pest Code											
	Rating Date								8/7/2012	8/7/2012	8/7/2012	8/7/2012
	Rating Type								WEIGHT	MOISTURE	YIELD	YIELD
	Rating Unit								g/plot	%	LB/A	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	1	0	0
									11	12	13	14
14	No Permit Malathion 57 EC 1 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	2751a	23.1a	5542a	6211a
15	No Permit Malathion 57 EC 3 D AFTER		8LBA/GAL	1.25	lb ai/a	20	fl oz/a	SALVAGE	2795a	20.9a	5768a	6465a
16	No Permit No Malathion 3 D BEFORE								3685a	22.6a	7391a	8284a
17	No Permit No Malathion 1 D BEFORE								2966a	19.6a	6223a	6975a
18	No Permit No Malathion Tankmix								2498a	20.9a	5181a	5807a
19	No Permit No Malathion 1 D AFTER								2642a	21.8a	5404a	6057a
20	No Permit No Malathion 3 D AFTER								2996a	21.1a	6167a	6912a
	LSD (P=.05)								980.4	2.72	2018.1	2262.0
	Standard Deviation								693.2	1.92	1427.0	1599.5
	CV								25.98	8.9	26.12	26.12
	Replicate F								0.466	0.472	0.427	0.427
	Replicate Prob(F)								0.7071	0.7033	0.7344	0.7344
	Treatment F								0.951	0.749	0.914	0.914
	Treatment Prob(F)								0.5283	0.7524	0.5689	0.5689

LSU AgCenter
School of Plant, Environmental and Soil Sciences
EPOST Application of Malathion and Permit Plus

Experiment number	:	**C12-43**
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	:	4/11/12
Harvest date	:	8/7/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A

Application type	:	EPOST	EPOST
Date applied [mm/dd/yy]	:	04/30/12	05/01/12
Time [hh:mm-hh:mm]	:	12:25-12:40P	10:00-10:15A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	84/78	74/78
Relative humidity [%]	:	56	79
Wind [mph, direction]	:	2-7/SSE	5/ESE
Weather [sunny, etc]	:	pt. cloudy	sunny
Soil/Leaf surface moist	:	moist/dry	dry/dry
Crop stage/Height	:	2-3lf/2-4"	2-3lf/4"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	15/5/15	18/5/15
GPA/PSI	:	15/22	15/22
Applied by	:	EPW	NDF

Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles
Comments: Missprayed 201 with treatment 7.

LSU AgCenter SPESS

EPOST Application of Malathion and Permit Plus

Trial ID:C12-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-43 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								6/7/2012	6/7/2012	6/7/2012	6/7/2012	6/7/2012	6/20/2012
	Rating Type								HEIGHT	HEIGHT	HEIGHT	HEIGHT	AVG HT	HEIGHT
	Rating Unit								cm	cm	cm	cm	cm	cm
	Trt-Eval Interval								38 DAT	38 DAT	38 DAT	38 DAT	38 DAT	51 DAT
	Number of Decimals								0	0	0	0	0	0
1	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	66a	66a	68a	67a	67a	82a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
2	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	68a	63a	67a	66a	66a	79a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
3	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	65a	65a	63a	63a	64a	80a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
4	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	65a	66a	65a	66a	66a	88a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	64a	64a	63a	64a	63a	85a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	65a	69a	68a	66a	67a	82a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
7	No Herbicide								65a	65a	65a	66a	65a	82a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
8	No Herbicide								65a	68a	70a	68a	68a	83a
	No Malathion													
	LSD (P=.05)								5.7	5.0	5.5	5.9	3.7	6.2
	Standard Deviation								3.9	3.4	3.8	4.0	2.5	4.2
	CV								5.98	5.15	5.71	6.12	3.87	5.13
	Replicate F								1.848	0.443	0.659	0.807	1.196	1.529
	Replicate Prob(F)								0.1694	0.7245	0.5866	0.5041	0.3355	0.2363
	Treatment F								0.352	1.520	1.896	0.787	1.431	1.765
	Treatment Prob(F)								0.9200	0.2145	0.1213	0.6059	0.2453	0.1480

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LSU AgCenter SPESS

EPOST Application of Malathion and Permit Plus

Trial ID:C12-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-43 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/20/2012 HEIGHT cm 51 DAT 0	RICE 6/20/2012 HEIGHT cm 51 DAT 0	RICE 6/20/2012 HEIGHT cm 51 DAT 0	RICE 6/20/2012 HEIGHT cm 51 DAT 0	RICE 7/3/2012 HEIGHT cm 64 DAT 0	RICE 7/3/2012 HEIGHT cm 64 DAT 0
	Pest Code													
	Rating Date								6/20/2012	6/20/2012	6/20/2012	6/20/2012	7/3/2012	7/3/2012
	Rating Type								HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT	HEIGHT
	Rating Unit								cm	cm	cm	cm	cm	cm
	Trt-Eval Interval								51 DAT	51 DAT	51 DAT	51 DAT	64 DAT	64 DAT
	Number of Decimals								0	0	0	0	0	0
									7	8	9	10	11	12
1	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	82ab	79a	80a	81a	102a	102a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
2	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	86a	84a	81a	82a	100a	103a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
3	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	78b	79a	80a	79a	100a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
4	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	87a	83a	85a	86a	102a	101a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	85a	79a	83a	83a	92a	100a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	83a	79a	81a	81a	101a	100a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
7	No Herbicide								83a	78a	83a	82a	97a	98a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
8	No Herbicide								82ab	81a	79a	81a	104a	102a
	No Malathion													
	LSD (P=.05)								4.9	7.5	5.5	4.0	10.0	4.4
	Standard Deviation								3.3	5.1	3.8	2.7	6.8	3.0
	CV								4.0	6.36	4.63	3.29	6.83	2.98
	Replicate F								3.437	2.164	0.970	4.063	1.871	4.791
	Replicate Prob(F)								0.0355	0.1224	0.4255	0.0201	0.1655	0.0107
	Treatment F								2.885	0.764	1.141	1.927	1.169	1.538
	Treatment Prob(F)								0.0281	0.6230	0.3763	0.1157	0.3612	0.2087

LSU AgCenter SPESS

EPOST Application of Malathion and Permit Plus

Trial ID:C12-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-43 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 7/3/2012 HEIGHT cm 64 DAT 0	RICE 7/3/2012 HEIGHT cm 64 DAT 0	RICE 7/3/2012 AVG HT cm 64 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0
	Pest Code													
	Rating Date								7/3/2012	7/3/2012	7/3/2012	8/6/2012	8/6/2012	8/6/2012
	Rating Type								HEIGHT	HEIGHT	AVG HT	HEIGHT	HEIGHT	AVG HT
	Rating Unit								cm	cm	cm	cm	cm	cm
	Trt-Eval Interval								64 DAT	64 DAT	64 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
									13	14	15	16	17	18
1	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	99a	101a	101a	118a	116a	117a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
2	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	100a	100a	101a	115a	116a	116a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
3	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	100a	100a	99a	113a	114a	113a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
4	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	101a	103a	102a	118a	112a	115a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	100a	102a	98a	116a	116a	116a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	104a	101a	101a	116a	115a	116a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST						
	No Malathion													
7	No Herbicide								98a	97a	98a	114a	114a	114a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST						
8	No Herbicide								103a	101a	102a	114a	112a	113a
	No Malathion													
	LSD (P=.05)								4.4	4.0	4.0	3.7	5.4	3.8
	Standard Deviation								3.0	2.7	2.7	2.5	3.6	2.6
	CV								2.98	2.7	2.73	2.17	3.19	2.22
	Replicate F								2.143	8.172	4.084	12.094	5.583	10.216
	Replicate Prob(F)								0.1252	0.0009	0.0197	0.0001	0.0056	0.0002
	Treatment F								1.694	1.554	1.599	2.412	0.783	1.283
	Treatment Prob(F)								0.1649	0.2040	0.1903	0.0559	0.6085	0.3059

LSU AgCenter SPESS

EPOST Application of Malathion and Permit Plus

Trial ID:C12-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-43 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 5/21/2012 INJURY % 21 DAT 0	RICE 6/7/2012 INJURY % 38 DAT 0	RICE 6/20/2012 INJURY % 51 DAT 0	RICE 8/7/2012 LENGTH ft HARVEST 1	RICE 8/7/2012 WEIGHT g/plot HARVEST 0
									19	20	21	22	23
1	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	8bc	0b	0a	13.3a	2287a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST					
2	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	16a	0b	0a	13.3a	2555a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No Malathion												
3	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	15a	0b	3a	13.3a	2067a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST					
4	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	15a	0b	0a	13.3a	2183a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No Malathion												
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	19a	18a	0a	13.3a	2213a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST					
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	14ab	0b	1a	13.3a	2618a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST					
	No Malathion												
7	No Herbicide								6cd	0b	0a	13.3a	2234a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST					
8	No Herbicide								0d	0b	0a	13.3a	2221a
	No Malathion												
LSD (P=.05)									7.5	1.5	1.9	0.00	652.6
Standard Deviation									5.1	1.0	1.3	0.00	443.7
CV									43.88	46.66	276.03	0.0	19.32
Replicate F									0.121	1.000	1.711	0.000	2.039
Replicate Prob(F)									0.9465	0.4123	0.1953	1.0000	0.1391
Treatment F									6.225	147.000	2.067	0.000	0.733
Treatment Prob(F)									0.0005	0.0001	0.0937	1.0000	0.6466

LSU AgCenter SPESS

EPOST Application of Malathion and Permit Plus

Trial ID:C12-43 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-43 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
1	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	24.5a	4770a	5347a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST			
2	Permit	75%	AW/W	0.031	lb ai/a	0.66	oz/a	EPOST	25.3a	5280a	5918a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	No Malathion										
3	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	24.7a	4302a	4822a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST			
4	Unity	75%		0.00375	lb ai/a	0.08	oz/a	EPOST	25.3a	4511a	5056a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	No Malathion										
5	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	24.3a	4630a	5190a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST			
6	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz/a	EPOST	25.1a	5429a	6085a
	Agri-Dex	100%		1%	v/v	1%	v/v	EPOST			
	No Malathion										
7	No Herbicide								24.7a	4650a	5212a
	Malathion 57 EC	8	LBA/GAL	1.25	lb ai/a	20	fl oz/a	EPOST			
8	No Herbicide								25.3a	4590a	5145a
	No Malathion										
LSD (P=.05)									0.84	1338.3	1500.1
Standard Deviation									0.57	909.9	1019.9
CV									2.29	19.08	19.08
Replicate F									0.823	2.086	2.086
Replicate Prob(F)									0.4957	0.1326	0.1326
Treatment F									1.898	0.722	0.722
Treatment Prob(F)									0.1209	0.6553	0.6553

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Sharpen Rate and Timing Study

Experiment number	:	**C12-46**	
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	:	4/11/12	
Harvest date	:	N/A	
Crop/Variety	:	CL161	
Emergence date	:	4/23	
Uniform std. treatment	:	N/A	
Application type	:	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	:	04/11/12	04/30/12	05/15/12
Time [hh:mm-hh:mm]	:	9:00-9:15A	9:45-9:55A	
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	65/76	80/75	69/77
Relative humidity [%]	:	90	68	70
Wind [mph, direction]	:	6-10/N	2-4,E/SE	3-5,N
Weather [sunny, etc]	:	cloudy	partly cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	moist/dry	wet/wet
Crop stage/Height	:	N/A	2-3lf/2-4"	4-5lf/4-6"
Sprayer type/MPH	:	CO_2BkPk/3	CO2BkPk/3	CO2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15	18/5/15
GPA/PSI	:	15/24	15/22	15/24
Applied by	:	EPW	EPW	NDF
Weed Species (population)	:	----------	(height/#leaves)	----------
SEBEX(20-30m^{-2})	:		1-3"/cot-2lf	8-10"/12-15lf
AESIN(4-6m^{-2})	:		0.5-2"/cot-2lf	
Flush Dates	:	4/24, 5/9, 5/16		
Permanent Flood	:	5/23		

*AMFF – Air mix flat fan nozzles

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Sharpen Rate and Timing

Trial ID:C12-46 Location:RRS-Crowley Trial Year:
Protocol ID:C12-46 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster/Jason A. Bond
Sponsor Contact:

Pest Code								RICE	SEBEX	AESIN	RICE	RICE
Rating Date								6/7/2012	6/7/2012	6/7/2012	8/6/2012	8/6/2012
Rating Type								INJURY	CONTROL	CONTROL	HEIGHT	HEIGHT
Rating Unit								%	%	%	cm	cm
Trt-Eval Interval								22 DAT	22 DAT	22 DAT	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		0a	35c	34c	90bcd	92cde
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Preemergence							PRE					
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		0a	97a	97a	96ab	94a-e
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Early-postemergence							EPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		0a	98a	98a	95ab	94a-e
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Late-postemergence							LPOST					
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		0a	34c	35c	90bcd	91de
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Preemergence							PRE					
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		0a	98a	98a	99a	100a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Early-postemergence							EPOST					
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		0a	98a	98a	92bcd	93a-e
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Late-postemergence							LPOST					
7	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		0a	75b	44b	91bcd	92cde
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Preemergence							PRE					
8	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		0a	98a	98a	99a	99ab
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Early-postemergence							EPOST					
9	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		0a	98a	97a	99a	99ab
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a						
	Late-postemergence							LPOST					
10	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		0a	23d	23d	88cd	88e
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a						
	Preemergence							PRE					
11	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		0a	98a	98a	86d	92b-e
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a						
	Early-postemergence							EPOST					
12	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		0a	98a	98a	89cd	89de
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a						
	Late-postemergence							LPOST					
13	Nontreated								0a	0e	0e	94abc	96a-d
14	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	PRE	0a	98a	98a	98a	99abc
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)									0.0	8.4	7.7	5.9	7.4
Standard Deviation									0.0	5.9	5.4	4.2	5.2
CV									0.0	7.83	7.46	4.46	5.5
Replicate F									0.000	2.586	2.647	3.547	1.186
Replicate Prob(F)									1.0000	0.0669	0.0624	0.0231	0.3275
Treatment F									0.000	147.000	181.252	4.549	2.302

Treatment Prob(F)	1.0000	0.0001	0.0001	0.0001	0.0223

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Sharpen Rate and Timing

Trial ID:C12-46 Location:RRS-Crowley Trial Year:
Protocol ID:C12-46 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster/Jason A. Bond
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6
	Pest Code								RICE
	Rating Date								8/6/2012
	Rating Type								AVG HT
	Rating Unit								cm
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		91cde
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Preemergence							PRE	
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		95abc
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Early-postemergence							EPOST	
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a		95a-d
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Late-postemergence							LPOST	
4	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		91cde
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Preemergence							PRE	
5	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		99a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Early-postemergence							EPOST	
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a		92b-e
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Late-postemergence							LPOST	
7	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		91cde
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Preemergence							PRE	
8	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		99a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Early-postemergence							EPOST	
9	Sharpen	2.85	LBA/GAL	0.067	lb ai/a	3	fl oz/a		99a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a		
	Late-postemergence							LPOST	
10	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		88e
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a		
	Preemergence							PRE	
11	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		89de
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a		
	Early-postemergence							EPOST	
12	Aim	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a		89de
	Agri-Dex	100%		1.0%	v/v	19.2	fl oz/a		
	Late-postemergence							LPOST	
13	Nontreated								95abc
14	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	PRE	98ab
	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	LPOST	
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	LPOST	
	LSD (P=.05)								5.8
	Standard Deviation								4.1
	CV								4.35
	Replicate F								2.701
	Replicate Prob(F)								0.0587
	Treatment F								4.011

Treatment Prob(F)	0.0004

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Sharpen plus Adjuvants Tankmixtures

Experiment number..... : **C12-47**
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 ..... : 4/11/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 4/23/12
Uniform std. treatment ..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 05/09/12
Time [hh:mm-hh:mm]..... : 8:45-9:00A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 70/76
Relative humidity [%] ..... : 96
Wind [mph, direction] ..... : 3-5/N
Weather [sunny, etc]..... : cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 3-4"/4-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... : (height/#leaves) -
CYPES(5-10m^{-2}) ..... : 5-12"/6-12lf
CYPIR(150-200m^{-2}) ..... : 1-1.5"/1-3lf
ALRPH(10-15m^{-2}) ..... : 5-15"/10-15lf
SEBEX(10-20m^{-2}) ..... : 3-5"/3-7lf
AESIN(3-7m^{-2}) ..... : 2-3"/3-5lf
CNPPA(5-10m^{-2})..... : 3-5"/4-6lf

Flush Dates..... : 4/24, 5/9, 5/16
Permanent Flood ..... : 5/23
*AMFF – Air mix flat fan nozzles

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Sharpen plus Adjuvant Tankmixtures

Trial ID:C12-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-47 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster/Jason A. Bond
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								SEBEX	SEBEX	AESIN	AESIN	CNPPA
	Rating Date								5/22/2012	6/7/2012	5/22/2012	6/7/2012	5/22/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								13 DAT	25 DAT	13 DAT	25 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	90d	97b	90c	94b	88d
	No surfactant												
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	95bc	98a	95ab	97ab	93bc
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	96abc	98a	96ab	95ab	95ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	98a	98a	98a	97ab	94abc
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	97ab	98a	95ab	98a	97ab
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST					
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	94c	98a	94b	98a	90cd
	No surfactant												
7	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	98a	97b	98a	97ab	96ab
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST					
8	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	98a	98a	98a	98a	97ab
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
9	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	98a	98a	98a	98a	98a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
10	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	98a	98a	98a	97a	98a
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST					
11	Nontreated								0e	0c	0d	0c	0e
12	Aim	2	LBA/GAL	0.0234	lb ai/a	1.5	fl oz/a	MPOST	90d	97ab	90c	98a	88d
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
	LSD (P=.05)								2.8	1.2	3.5	3.4	5.0
	Standard Deviation								1.9	0.8	2.5	2.3	3.4
	CV								2.21	0.9	2.8	2.63	4.01
	Replicate F								2.423	1.850	2.174	1.019	0.126
	Replicate Prob(F)								0.0833	0.1574	0.1098	0.3966	0.9439
	Treatment F								818.145	4953.661	510.388	572.863	252.012
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Sharpen plus Adjuvant Tankmixtures

Trial ID:C12-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-47 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster/Jason A. Bond
Sponsor Contact:

Pest Code								ALRPH	CYPES	CYPIR	RICE	RICE
Rating Date								5/22/2012	5/22/2012	5/22/2012	5/22/2012	6/7/2012
Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit								%	%	%	%	%
Trt-Eval Interval								13 DAT	13 DAT	13 DAT	13 DAT	25 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	29d	0d	49e	18d	0a
	No surfactant												
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	29d	0d	55cde	20cd	0a
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST					
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	34cd	0d	51de	21bcd	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	33cd	0d	56b-e	25abc	0a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	43bc	16c	61bcd	23a-d	0a
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST					
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	29d	0d	51de	23a-d	0a
	No surfactant												
7	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	30d	20bc	68ab	24abc	0a
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST					
8	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	43bc	23b	64abc	25abc	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
9	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	60a	24b	74a	28a	0a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST					
10	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	51ab	31a	74a	26ab	0a
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST					
11	Nontreated								0e	0d	0g	0e	0a
12	Aim	2	LBA/GAL	0.0234	lb ai/a	1.5	fl oz/a	MPOST	25d	0d	31f	21bcd	0a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)									10.6	5.8	11.3	5.1	0.0
Standard Deviation									7.3	4.0	7.9	3.5	0.0
CV									21.83	42.1	14.87	16.84	0.0
Replicate F									0.241	1.167	4.380	5.583	0.000
Replicate Prob(F)									0.8668	0.3373	0.0106	0.0033	1.0000
Treatment F									16.550	37.281	26.995	16.447	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000

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Sharpen plus Adjuvant Tankmixtures

Trial ID:C12-47 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-47 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster/Jason A. Bond
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13
	Pest Code								RICE	RICE	RICE
	Rating Date								8/6/2012	8/6/2012	8/6/2012
	Rating Type								HEIGHT	HEIGHT	AVG HT
	Rating Unit								cm	cm	cm
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0
1	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	109a	109a	109a
	No surfactant										
2	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	111a	109a	110a
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST			
3	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	110a	107a	108a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST			
4	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	109a	109a	109a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST			
5	Sharpen	2.85	LBA/GAL	0.0223	lb ai/a	1	fl oz/a	MPOST	107a	111a	109a
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST			
6	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	111a	111a	111a
	No surfactant										
7	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	107a	107a	107a
	Induce	100%		0.25%	v/v	4.8	fl oz/a	MPOST			
8	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	111a	114a	112a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST			
9	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	109a	111a	110a
	Soy-Surf MSO	100%		1%	v/v	19.2	fl oz/a	MPOST			
10	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST	109a	109a	109a
	Dyne-A-Pak	100%		1%	v/v	19.2	fl oz/a	MPOST			
11	Nontreated								113a	109a	111a
12	Aim	2	LBA/GAL	0.0234	lb ai/a	1.5	fl oz/a	MPOST	110a	109a	110a
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	MPOST			
	LSD (P=.05)								6.4	5.7	4.9
	Standard Deviation								4.4	4.0	3.4
	CV								4.05	3.62	3.13
	Replicate F								1.919	1.567	2.535
	Replicate Prob(F)								0.1457	0.2158	0.0737
	Treatment F								0.609	0.867	0.696
	Treatment Prob(F)								0.8077	0.5797	0.7329

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Comparison of Rebel EX with Clincher plus Grasp Tankmix

Experiment number..... : **C12-48**
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 ..... : 4/12/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 4/25/12
Uniform std. treatment ..... : N/A

Application type..... : 2-3 LF RICE
Date applied [mm/dd/yy] ..... : 05/08/12
Time [hh:mm-hh:mm]..... : 2:00-2:15P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 77/80
Relative humidity [%] ..... : 57
Wind [mph, direction] ..... : 2-5/SE
Weather [sunny, etc]..... : pt. cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 2-4lf/2-6"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :- (height/#leaves) -
BRAPP(150-200m^{-2}) ..... : 0.5-4"/1-4lf
ECHCG(20-40m^{-2}) ..... : 0.5-3"/2-6lf
CYPES(5-10m^{-2}) ..... : 2-6"/6-9lf
SEBEX(10-15m^{-2}) ..... : 0.5-4"/cot-4lf
AESIN(2-5m^{-2}) ..... : 0.5-4"/cot-4lf
CNPPA(3-7m^{-2})..... : 1-4"/cot-4lf

Flush Dates..... : 4/24, 5/9, 5/16
Permanent Flood ..... : 5/23
*AMFF – Air mix flat fan nozzles

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C12-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-48 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									BRAPP	BRAPP	BRAPP	ECHCG	ECHCG
Rating Date									5/21/2012	6/5/2012	6/20/2012	5/21/2012	6/5/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	28 DAT	43 DAT	13 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	2-3 LF RICE	78b	0a	0a	81b	81abc
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
2	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	81ab	0a	0a	86ab	69c
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
3	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	86a	0a	0a	88ab	83ab
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
4	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE	0c	0a	0a	0c	86a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
5	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	2-3 LF RICE	80ab	0a	0a	90a	78abc
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
6	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	80ab	0a	0a	83ab	84a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
7	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	79ab	0a	0a	88ab	70bc
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
8	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE	0c	0a	0a	0c	70bc
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
9	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	81ab	0a	0a	83ab	79abc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
10	Nontreated								0c	0a	0a	0c	0d
LSD (P=.05)									8.1	0.0	0.0	7.6	12.8
Standard Deviation									5.6	0.0	0.0	5.2	8.9
CV									9.84	0.0	0.0	8.73	12.67
Replicate F									0.162	0.000	0.000	0.643	0.114
Replicate Prob(F)									0.9212	1.0000	1.0000	0.5941	0.9510
Treatment F									197.281	0.000	0.000	250.857	32.709
Treatment Prob(F)									0.0001	1.0000	1.0000	0.0001	0.0001

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Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C12-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-48 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								ECHCG	AESIN	AESIN	AESIN	SEBEX
	Rating Date								6/20/2012	5/21/2012	6/5/2012	6/20/2012	5/21/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								43 DAT	13 DAT	28 DAT	43 DAT	13 DAT
	Number of Decimals								0	0	0	0	0
1	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	2-3 LF RICE	0a	98a	95a	98a	98a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
2	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	0a	97a	93a	98a	98a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
3	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	0a	98a	91a	92b	94b
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
4	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE	0a	97a	95a	98a	98a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
5	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	2-3 LF RICE	0a	98a	94a	98a	98a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
6	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	0a	98a	93a	98a	96ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
7	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	0a	94b	0b	0c	80c
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
8	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE	0a	98a	94a	98a	98a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
9	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	0a	97a	94a	98a	97a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
10	Nontreated								0a	0c	0b	0c	0d
	LSD (P=.05)								0.0	1.8	4.3	1.8	2.4
	Standard Deviation								0.0	1.2	2.9	1.3	1.6
	CV								0.0	1.38	3.93	1.63	1.9
	Replicate F								0.000	0.618	1.645	1.000	1.021
	Replicate Prob(F)								1.0000	0.6092	0.2023	0.4079	0.3988
	Treatment F								0.000	2599.229	721.581	4212.112	1421.097
	Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C12-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-48 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/5/2012 CONTROL % 28 DAT 0	SEBEX 6/20/2012 CONTROL % 43 DAT 0	CYPES 5/21/2012 CONTROL % 13 DAT 0	CYPES 6/5/2012 CONTROL % 28 DAT 0	CNPPA 5/21/2012 CONTROL % 13 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									11	12	13	14	15
1	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	2-3 LF RICE	95a	96a	19bc	78a	96a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
2	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	90b	98a	21bc	76a	93ab
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
3	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	90b	45b	14cd	75a	97a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
4	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE	90b	98a	19bc	78a	97a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
5	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	2-3 LF RICE	91b	95a	48a	78a	97a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
6	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	93ab	98a	18bcd	85a	97a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
7	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	24c	0c	5de	41b	90b
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
8	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE	91b	98a	28b	78a	95a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
9	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	91b	96a	19bc	78a	95a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE					
10	Nontreated								0d	0c	0e	0c	0c
	LSD (P=.05)								3.2	4.0	13.2	11.1	4.9
	Standard Deviation								2.2	2.8	9.1	7.6	3.4
	CV								2.96	3.84	48.22	11.49	3.95
	Replicate F								1.000	1.277	0.329	1.055	1.411
	Replicate Prob(F)								0.4079	0.3020	0.8041	0.3843	0.2612
	Treatment F								926.445	889.160	7.920	46.968	318.530
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Comparison of RebelEX with Clincher + Grasp Tankmix

Trial ID:C12-48 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-48 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA 6/20/2012 CONTROL % 43 DAT 0	RICE 5/21/2012 INJURY % 13 DAT 0	RICE 6/5/2012 INJURY % 28 DAT 0	RICE 6/20/2012 INJURY % 43 DAT 0
	Pest Code								CNPPA	RICE	RICE	RICE
	Rating Date								6/20/2012	5/21/2012	6/5/2012	6/20/2012
	Rating Type								CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%
	Trt-Eval Interval								43 DAT	13 DAT	28 DAT	43 DAT
	Number of Decimals								0	0	0	0
									16	17	18	19
1	RebelEX	2.03	LBA/GAL	0.317	lb ai/a	20	fl oz/a	2-3 LF RICE	88ab	8abc	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
2	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	83abc	10ab	0a	0a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE				
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
3	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	76c	11a	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
4	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	2-3 LF RICE	90a	1de	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
5	RebelEX	2.03	LBA/GAL	0.254	lb ai/a	16	fl oz/a	2-3 LF RICE	78bc	9abc	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
6	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	85abc	6bc	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE				
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
7	Clincher	2.38	LBA/GAL	0.223	lb ai/a	12	fl oz/a	2-3 LF RICE	0d	9abc	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
8	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE	85abc	0e	0a	0a
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
9	Clincher	2.38	LBA/GAL	0.28	lb ai/a	15	fl oz/a	2-3 LF RICE	87abc	5cd	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	2-3 LF RICE				
	Agridex	100%		1%	v/v	1%	v/v	2-3 LF RICE				
10	Nontreated								0d	0e	0a	0a
	LSD (P=.05)								10.9	4.8	0.0	0.0
	Standard Deviation								7.5	3.3	0.0	0.0
	CV								11.22	56.44	0.0	0.0
	Replicate F								0.539	3.695	0.000	0.000
	Replicate Prob(F)								0.6598	0.0239	1.0000	1.0000
	Treatment F								89.639	6.322	0.000	0.000
	Treatment Prob(F)								0.0001	0.0001	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Command Reduced Rates with Newpath and Prowl

Experiment number	:	**C12-49**
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	:	4/12/12
Harvest date	:	N/A
Crop/Variety	:	CL161
Emergence date	:	4/25/12
Uniform std. treatment	:	N/A

Application type	:	PRE	1-2 LF
Date applied [mm/dd/yy]	:	4/12/12	4/30/12
Time [hh:mm-hh:mm]	:	4:00-4:05 pm	8:00-8:06A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	77/78	71/75
Relative humidity [%]	:	80	97
Wind [mph, direction]	:	6-10/E	4-5/SE
Weather [sunny, etc]	:	pt. cloudy	foggy
Soil/Leaf surface moist	:	N/A	dry/dry
Crop stage/Height	:	N/A	1-2lf/1-2"
Sprayer type/MPH	:	CO_2BkPk/3	CO2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/24	15/24
Applied by	:	JCF	JCF

Weed Species (population)	:-----	(height/#leaves) -----
BRAPP(25-75m^{-2})	:	2-3"/2-3lf
ECHCG(25-50m^{-2})	:	2-3"/2-3lf
ALRPH(1-5m^{-2})…….:	:	1-4"/4-5lf
CYPES(2-5m^{-2})	:	2-4"/3-5lf
AESIN(1-3m^{-2})	:	½-1"/2-4lf
SEBEX(1-3m^{-2})	:	½-1"/2-4lf
LEFPA(5-10m^{-2})	:	2-3"/2-3lf

Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles

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Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date									5/22/2012	5/30/2012	6/5/2012	6/20/2012	7/3/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	22 DAT	28 DAT	43 DAT	61 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	97a	95a	95a	95a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	97a	95a	95a	97a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	98a	95a	95a	94a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	95a	95a	95a	95a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
5	Nontreated								0b	0b	0b	0b	0b
LSD (P=.05)									1.5	0.0	0.0	3.1	0.0
Standard Deviation									1.0	0.0	0.0	2.0	0.0
CV									1.26	0.0	0.0	2.62	0.0
Replicate F									0.615	0.000	0.000	1.127	0.000
Replicate Prob(F)									0.6181	1.0000	1.0000	0.3772	1.0000
Treatment F									7820.591	0.000	0.000	1826.469	0.000
Treatment Prob(F)									0.0001	1.0000	1.0000	0.0001	1.0000

LSU AgCenter SPESS

Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									BRAPP	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date									5/22/2012	5/30/2012	6/5/2012	6/20/2012	7/3/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									14 DAT	22 DAT	28 DAT	43 DAT	61 DAT
Number of Decimals									0	0	0	0	0
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	97a	95a	95a	95a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	98a	95a	95a	92a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	97a	95a	95a	96a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	95a	95a	95a	95a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
5	Nontreated								0b	0b	0b	0b	0b
LSD (P=.05)									1.5	0.0	0.0	6.5	0.0
Standard Deviation									1.0	0.0	0.0	4.2	0.0
CV									1.26	0.0	0.0	5.58	0.0
Replicate F									0.615	0.000	0.000	0.477	0.000
Replicate Prob(F)									0.6181	1.0000	1.0000	0.7039	1.0000
Treatment F									7820.591	0.000	0.000	402.475	0.000
Treatment Prob(F)									0.0001	1.0000	1.0000	0.0001	1.0000

LSU AgCenter SPESS

Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
	Pest Code								LEFPA	LEFPA	SEBEX	SEBEX	SEBEX
	Rating Date								5/22/2012	6/20/2012	5/22/2012	5/30/2012	6/20/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								14 DAT	43 DAT	14 DAT	22 DAT	43 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	97a	93a	36a	84a	73a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	98a	96a	36a	84a	45b
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	97a	97a	29ab	44b	0c
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	98a	91a	25b	44b	0c
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
5	Nontreated								0b	0b	0c	0c	0c
LSD (P=.05)									1.5	8.0	10.7	14.6	12.4
Standard Deviation									1.0	5.2	7.0	9.5	8.1
CV									1.26	6.88	27.59	18.56	34.31
Replicate F									0.615	0.331	0.850	0.372	0.744
Replicate Prob(F)									0.6181	0.8035	0.4930	0.7747	0.5464
Treatment F									7820.591	264.937	18.373	54.153	69.538
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 7/3/2012 CONTROL % 61 DAT 0	ALRPH 5/22/2012 CONTROL % 14 DAT 0	ALRPH 5/30/2012 CONTROL % 22 DAT 0	CYPES 5/22/2012 CONTROL % 14 DAT 0	CYPES 5/30/2012 CONTROL % 22 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
									16	17	18	19	20
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	0a	59ab	84a	85a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	0a	69a	84a	89a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	0a	55b	81a	90a	95a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	0a	63ab	80a	89a	95a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
5	Nontreated								0a	0c	0b	0b	0b
	LSD (P=.05)								0.0	13.2	8.0	9.4	0.0
	Standard Deviation								0.0	8.6	5.2	6.1	0.0
	CV								0.0	17.5	7.88	8.61	0.0
	Replicate F								0.000	3.309	0.419	1.311	0.000
	Replicate Prob(F)								1.0000	0.0573	0.7429	0.3163	1.0000
	Treatment F								0.000	42.212	201.465	168.864	0.000
	Treatment Prob(F)								1.0000	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25	26
	Pest Code								AESIN	AESIN	AESIN	RICE	RICE	RICE
	Rating Date								5/30/2012	6/20/2012	7/3/2012	5/22/2012	5/30/2012	6/5/2012
	Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								22 DAT	43 DAT	61 DAT	14 DAT	22 DAT	28 DAT
	Number of Decimals								0	0	0	0	0	0
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	84a	78a	65b	0a	3a	3a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF						
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	83a	85a	81a	0a	0a	0a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF						
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	44b	33b	83a	0a	0a	1a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF						
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF						
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	49b	0c	65b	0a	3a	1a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF						
5	Nontreated								0c	0c	0c	0a	0a	0a
LSD (P=.05)									10.6	14.4	9.2	0.0	5.1	4.0
Standard Deviation									6.9	9.3	6.0	0.0	3.3	2.6
CV									13.29	24.03	10.19	0.0	329.14	262.2
Replicate F									1.154	1.506	2.919	0.000	0.615	1.455
Replicate Prob(F)									0.3673	0.2632	0.0776	1.0000	0.6181	0.2761
Treatment F									99.819	75.964	128.372	0.000	0.692	0.636
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	0.6114	0.6464

LSU AgCenter SPESS

Command Reduced Rates with Newpath and Prowl

Trial ID:C12-49 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-49 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/20/2012 INJURY % 43 DAT 27	RICE 7/3/2012 INJURY % 61 DAT 28	RICE 8/13/2012 HEIGHT cm HARVEST 29	RICE 8/13/2012 HEIGHT cm HARVEST 30	RICE 8/13/2012 AVG HT cm HARVEST 31
	Pest Code								RICE	RICE	RICE	RICE	RICE
	Rating Date								6/20/2012	7/3/2012	8/13/2012	8/13/2012	8/13/2012
	Rating Type								INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
	Rating Unit								%	%	cm	cm	cm
	Trt-Eval Interval								43 DAT	61 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.07	lb ai/a	3	fl oz/a	PRE	0a	0a	98a	102a	100a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
2	Command	3	LBA/GAL	0.14	lb ai/a	6	fl oz/a	PRE	0a	0a	102a	100a	101a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
3	Command	3	LBA/GAL	0.28	lb ai/a	12	fl oz/a	PRE	0a	0a	105a	104a	104a
	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF					
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
4	Newpath	2	LB/GAL	0.0625	lb ai/a	4	fl oz/a	1-2 LF	0a	0a	115a	114a	115a
	Prowl H2O	3.8	LBA/GAL	1	lb ai/a	33.7	fl oz/a	1-2 LF					
5	Nontreated								0a	0a	114a	108a	111a
	LSD (P=.05)								0.0	0.0	17.8	21.3	19.5
	Standard Deviation								0.0	0.0	11.6	13.8	12.6
	CV								0.0	0.0	10.83	13.11	11.9
	Replicate F								0.000	0.000	0.074	0.076	0.055
	Replicate Prob(F)								1.0000	1.0000	0.9727	0.9716	0.9822
	Treatment F								0.000	0.000	1.582	0.660	0.987
	Treatment Prob(F)								1.0000	1.0000	0.2419	0.6311	0.4512

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Comparison of Grasp Xtra with Grasp+ Grandstand Tankmix

Experiment number	:	**C12-50**
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	:	4/11/12
Harvest date	:	8/7/12
Crop/Variety	:	CL161
Emergence date	:	4/23/12
Uniform std. treatment	:	N/A
Application type	:	PRE
Date applied [mm/dd/yy]	:	4/12/12
Time [hh:mm-hh:mm]	:	8:00-8:15A
Incorporation equip./Depth	:	N/A
Air/Soil temperature [F]	:	63/76
Relative humidity [%]	:	85
Wind [mph, direction]	:	6/E
Weather [sunny, etc]	:	sunny
Soil/Leaf surface moist	:	dry/NA
Crop stage/Height	:	Pre
Sprayer type/MPH	:	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15
GPA/PSI	:	15/24
Applied by	:	EPW
Flush Dates	:	4/24, 5/9, 5/16
Permanent Flood	:	5/23

*AMFF – Air mix flat fan nozzles

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
	Rating Date								6/5/2012	6/5/2012	7/4/2012	6/5/2012	6/5/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								21 DAT	21 DAT	50 DAT	21 DAT	21 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	95a	95a	90b
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96ab	95a	95a	90ab
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	95a	95a	94a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	94bc	91b	95a	91ab
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	95a	95a	91ab
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	95a	95a	91ab
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	96ab	95a	95a	91ab
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	93c	93ab	95a	90ab
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	95ab	95a	95a	91ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	95abc	94ab	95a	90ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	95abc	95a	95a	90ab
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0b	0d	0c	0b	0c
	Nontreated												
	LSD (P=.05)								0.0	2.7	3.5	0.0	4.2
	Standard Deviation								0.0	1.9	2.4	0.0	2.9
	CV								0.0	2.15	2.8	0.0	3.49
	Replicate F								0.000	1.626	1.065	0.000	3.590
	Replicate Prob(F)								1.0000	0.2020	0.3774	1.0000	0.0238
	Treatment F								0.000	861.689	506.097	0.000	325.731
	Treatment Prob(F)								1.0000	0.0001	0.0001	1.0000	0.0001

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	BRAPP 7/4/2012 CONTROL % 50 DAT 0	SEBEX 6/5/2012 CONTROL % 21 DAT 0	SEBEX 6/5/2012 CONTROL % 21 DAT 0	SEBEX 7/4/2012 CONTROL % 50 DAT 0	AESIN 6/5/2012 CONTROL % 21 DAT 0
	Pest Code												
	Rating Date								6	7	8	9	10
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80ab	95a	98a	95a	95a
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75abc	95a	98a	94a	95a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	68bc	94a	85b	91a	95a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65c	45b	31c	25b	25c
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79abc	95a	98a	95a	95a
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79abc	95a	96a	94a	95a
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83a	95a	97a	95a	95a
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71abc	25c	20d	33b	33b
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	78abc	95a	97a	95a	95a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	95a	98a	95a	95a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	95a	97a	95a	95a
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0d	0e	0c	0d
	Nontreated												
	LSD (P=.05)								14.7	4.3	8.3	8.1	5.0
	Standard Deviation								10.2	3.0	5.7	5.6	3.4
	CV								14.92	3.89	7.54	7.47	4.52
	Replicate F								1.232	0.831	0.435	1.369	1.000
	Replicate Prob(F)								0.3138	0.4863	0.7295	0.2694	0.4051
	Treatment F								18.973	507.348	161.356	151.870	416.390
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 11	CYPES 12	CYPES 13	CYPIR 14	CYPIR 15
	Pest Code								AESIN	CYPES	CYPES	CYPIR	CYPIR
	Rating Date								7/4/2012	6/5/2012	6/5/2012	6/5/2012	6/5/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								50 DAT	21 DAT	21 DAT	21 DAT	21 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	86ab	55b	84ab	75a
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	80bc	43c	80bc	74ab
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	50d	30d	44d	51c
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83c	0e	0f	0e	15d
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	91a	78a	91a	83a
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	90a	55b	90a	79a
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	81bc	45c	81bc	70ab
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88b	75c	20e	75c	23d
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	80bc	50bc	80bc	75a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	79c	44c	79bc	60bc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	90a	55b	90a	60bc
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0e	0f	0e	0e
	Nontreated												
	LSD (P=.05)								3.1	6.7	9.1	8.2	15.0
	Standard Deviation								2.1	4.7	6.3	5.7	10.4
	CV								2.5	6.96	15.9	8.58	18.76
	Replicate F								0.000	0.160	1.846	1.353	0.933
	Replicate Prob(F)								1.0000	0.9222	0.1581	0.2742	0.4356
	Treatment F								650.833	201.962	54.655	137.490	28.495
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 6/5/2012 CONTROL % 21 DAT 0	CNPPA 6/5/2012 CONTROL % 21 DAT 0	RICE 6/5/2012 INJURY % 21 DAT 0	RICE 6/5/2012 INJURY % 21 DAT 0	RICE 7/4/2012 INJURY % 50 DAT 0
									16	17	18	19	20
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84a	81a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	60c	0a	0a	0a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64b	41e	0a	0a	0a
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	31c	71b	0a	0a	0a
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	83a	80ab	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79a	59c	0a	0a	0a
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63b	48de	0a	0a	0a
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40c	43e	0a	0a	0a
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79a	74ab	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63b	53cd	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80a	60c	0a	0a	0a
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0f	0a	0a	0a
	Nontreated												
LSD (P=.05)									9.3	8.8	0.0	0.0	0.0
Standard Deviation									6.5	6.1	0.0	0.0	0.0
CV									10.41	10.99	0.0	0.0	0.0
Replicate F									1.263	3.619	0.000	0.000	0.000
Replicate Prob(F)									0.3031	0.0231	1.0000	1.0000	1.0000
Treatment F									64.613	52.417	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 AVG HT cm HARVEST 0	RICE 8/7/2012 LENGTH ft HARVEST 1	RICE 8/7/2012 WEIGHT g/plot HARVEST 0
									21	22	23	24	25
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	109a	110a	109a	14.1a	1855c
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	110a	108a	109a	14.1a	2600ab
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108a	110a	109a	14.1a	1735c
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	112a	110a	111a	14.1a	1538c
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	111a	109a	14.1a	2796ab
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	110a	108a	14.1a	2664ab
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	111a	109a	110a	14.1a	1854c
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	112a	109a	110a	14.1a	1841c
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	112a	110a	111a	14.1a	2706ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108a	107a	107a	14.1a	2082bc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	106a	109a	107a	14.1a	2960a
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE					
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	108a	106a	107a	14.1a	681d
	Nontreated												
LSD (P=.05)									6.6	4.6	5.1	0.00	714.6
Standard Deviation									4.5	3.2	3.5	0.00	494.9
CV									4.17	2.9	3.23	0.0	23.46
Replicate F									7.674	2.529	6.046	0.000	1.504
Replicate Prob(F)									0.0005	0.0742	0.0021	1.0000	0.2315
Treatment F									0.961	0.801	0.614	0.000	7.143
Treatment Prob(F)									0.4985	0.6385	0.8037	1.0000	0.0001

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Comparison of Grasp Xtra with Grasp + Grandstand Tankmix

Trial ID:C12-50 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-50 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/7/2012 MOISTURE % HARVEST 1	RICE 8/7/2012 YIELD LB HARVEST 0	RICE 8/7/2012 YIELD KG/HA HARVEST 0
	Pest Code										
	Rating Date								8/7/2012	8/7/2012	8/7/2012
	Rating Type								MOISTURE	YIELD	YIELD
	Rating Unit								%	LB	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST
	Number of Decimals								1	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	3676c	-2112b
	Grasp Xtra	1.75	LBA/GAL	0.273	lb ai/a	20	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	5153ab	-2984cd
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE			
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	3439c	-1971b
	Grasp	2	LBA/GAL	0.039	lb ai/a	2.5	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	3047c	-1740b
	Grandstand	3	LBAE/GAL	0.234	lb ae/a	10	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	5542ab	-3213cd
	Grasp Xtra	1.75	LBA/GAL	0.29	lb ai/a	21.3	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	5280ab	-3059cd
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE			
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	3673c	-2110b
	Grasp	2	LBA/GAL	0.042	lb ai/a	2.7	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	3649c	-2096b
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	5362ab	-3107cd
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE			
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	4126bc	-2377bc
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	5866a	-3405d
	Grandstand	3	LBAE/GAL	0.25	lb ae/a	10.7	fl oz/a	4-5 LF RICE			
	Agridex	100%		1%	v/v	1%	v/v	4-5 LF RICE			
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	21.0a	1349d	-737a
	Nontreated										
	LSD (P=.05)								0.00	1416.3	836.3
	Standard Deviation								0.00	980.9	579.2
	CV								0.0	23.46	0.0
	Replicate F								0.000	1.504	1.504
	Replicate Prob(F)								1.0000	0.2315	0.2315
	Treatment F								0.000	7.143	7.143
	Treatment Prob(F)								1.0000	0.0001	0.0001

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Silicone Based Adjuvant Study

Experiment number..... : **C12-51**
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 ..... : 4/11/12
Harvest date..... : 8/7/12
Crop/Variety ..... : CL161
Emergence date..... : 4/23/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/17/12
Time [hh:mm-hh:mm]..... : 9:55-10:37A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 71/72
Relative humidity [%] ..... : 81
Wind [mph, direction] ..... : 5-7/N
Weather [sunny, etc]..... : sunny
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height..... : 2-3lf/3-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) --
ALRPH(10-15m^{-2}) ..... : 10-15"/15-25lf
CYPES(5-7m^{-2}) ..... : 5-9"/3-9lf
CNPPA(3-5m^{-2})……: ..... : 3-4"/3-5lf
BRAPP(10-20m^{-2}) ..... : 0.5-0.75"/1-2lf

Flush Dates..... : 4/24/12, 5/9/12, 5/16/12
Permanent Flood ..... : 5/23/12

*AMFF – Air mix flat fan nozzles

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Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	SEBEX
Rating Date									6/1/2012	6/7/2012	6/18/2012	7/5/2012	6/1/2012	6/7/2012
Rating Type									CONTRL	CONTRL	CONTRL	CONTRL	CONTRL	CONTRL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									15 DAT	21 DAT	32 DAT	49 DAT	15 DAT	21 DAT
Number of Decimals									0	0	0	0	0	0
1	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	85c	88ab	74c-f	60hi	98a	95a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
2	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	63d	59fgh	68fgh	43j	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	25fg	61efg	63ghi	40jk	98a	96a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
4	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	28f	53ghi	65fgh	44j	98a	97a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
5	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	50e	70de	73d-g	50ij	97a	95a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
6	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0i	33j	46j	21l	60b	46d
	No Surfactant													
7	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	98a	93a	90a	76efg	97a	97a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	93abc	85ab	83a-d	50ij	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
9	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	97ab	86ab	84abc	66gh	98a	97a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
10	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	90abc	86ab	84abc	78ef	97a	98a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
11	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	98a	85ab	91a	86b-e	97a	98a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
12	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	97ab	74cd	69e-h	81def	96a	75c
	No Surfactant													
13	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	15h	86ab	66fgh	50ij	98a	97a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
14	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	15h	51hi	64fgh	50ij	98a	96a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
15	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	19gh	49i	65fgh	45j	93a	95a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
16	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	26fg	63ef	63ghi	30kl	96a	95a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
17	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	30f	63ef	60hi	29l	98a	95a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
18	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0i	54f-i	25k	0m	90a	86b
	No Surfactant													
19	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	98a	90ab	88ab	97a	98a	97a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
20	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	95ab	90ab	79b-e	71fg	97a	97a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
21	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	98a	91ab	89ab	96ab	98a	97a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
22	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	97ab	83bc	84abc	92a-d	97a	98a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code								CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	SEBEX
	Rating Date								6/1/2012	6/7/2012	6/18/2012	7/5/2012	6/1/2012	6/7/2012
	Rating Type								CONTRL	CONTRL	CONTRL	CONTRL	CONTRL	CONTRL
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								15 DAT	21 DAT	32 DAT	49 DAT	15 DAT	21 DAT
	Number of Decimals								0	0	0	0	0	0
23	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	97ab	90ab	90a	93abc	98a	98a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
24	Grasp Xtra No Surfactant	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	90bc	61efg	53ij	85cde	97a	93a
25	Nontreated								0i	0k	0l	0m	0c	0e
	LSD (P=.05)								8.0	9.3	10.2	10.5	12.5	5.9
	Standard Deviation								5.7	6.6	7.2	7.4	8.9	4.1
	CV								9.44	9.44	10.57	12.93	9.68	4.63
	Replicate F								2.334	0.308	2.006	2.083	0.668	3.159
	Replicate Prob(F)								0.0811	0.8197	0.1208	0.1100	0.5741	0.0298
	Treatment F								191.521	46.180	34.372	58.403	21.538	108.618
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
	Pest Code								SEBEX	SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
	Rating Date								6/18/2012	7/5/2012	6/1/2012	6/7/2012	6/18/2012	7/5/2012
	Rating Type								CONTRL	CONTRL	CONTRL	CONTRL	CONTRL	CONTRL
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								32 DAT	49 DAT	15 DAT	21 DAT	32 DAT	49 DAT
	Number of Decimals								0	0	0	0	0	0
1	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	96a	98a	83de	90a	76abc	59b
	MSO	100%		1%	v/v	1%	v/v	EPOST						
2	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	96a	98a	70fg	65fg	75bcd	60b
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	96a	98a	61h	70ef	69c-f	29e
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
4	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	97a	94ab	65gh	61gh	70c-f	25ef
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
5	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	97a	98a	78ef	81bc	75bcd	60b
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
6	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	65c	50e	48i	38k	39hi	23ef
	No Surfactant													
7	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	97a	98a	0l	28l	39hi	0g
	MSO	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	98a	98a	0l	28l	31ij	0g
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
9	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	97a	98a	0l	26l	29ij	0g
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
10	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	98a	98a	0l	29l	28j	0g
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
11	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	97a	98a	20k	25l	28j	0g
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
12	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	91b	94ab	0l	21l	26j	0g
	No Surfactant													
13	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	97a	98a	90bcd	73def	74cde	19f
	MSO	100%		1%	v/v	1%	v/v	EPOST						
14	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	95ab	98a	51i	54hij	71c-f	43d
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
15	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	90b	75d	34j	56hi	63f	30e
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
16	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	94ab	94ab	45i	53ij	65def	30e
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
17	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	94ab	98a	89cd	68efg	64ef	54bc
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
18	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	66c	90bc	30j	48j	45gh	0g
	No Surfactant													
19	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	97a	98a	97ab	86ab	85ab	45cd
	MSO	100%		1%	v/v	1%	v/v	EPOST						
20	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	95ab	98a	87cd	71def	70c-f	0g
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
21	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	96a	98a	93abc	75cde	71c-f	0g
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
22	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	97a	98a	88cd	65fg	65def	23ef
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
	Pest Code								SEBEX	SEBEX	ALRPH	ALRPH	ALRPH	ALRPH
	Rating Date								6/18/2012	7/5/2012	6/1/2012	6/7/2012	6/18/2012	7/5/2012
	Rating Type								CONTRL	CONTRL	CONTRL	CONTRL	CONTRL	CONTRL
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								32 DAT	49 DAT	15 DAT	21 DAT	32 DAT	49 DAT
	Number of Decimals								0	0	0	0	0	0
23	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	97a	98a	98a	79bcd	86a	85a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
24	Grasp Xtra No Surfactant	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	65c	85c	86cd	56hi	51g	29e
25	Nontreated								0d	0f	0l	0m	0k	0g
	LSD (P=.05)								4.6	5.8	7.9	8.5	10.6	9.2
	Standard Deviation								3.2	4.1	5.6	6.0	7.5	6.5
	CV								3.65	4.59	10.63	11.15	13.46	26.51
	Replicate F								0.315	1.760	5.210	2.756	3.949	1.132
	Replicate Prob(F)								0.8145	0.1626	0.0026	0.0486	0.0115	0.3419
	Treatment F								170.413	108.451	174.744	62.551	36.204	59.857
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 6/1/2012 CONTRL % 15 DAT 0	CYPES 6/7/2012 CONTRL % 21 DAT 0	CYPES 6/18/2012 CONTRL % 32 DAT 0	CYPES 7/5/2012 CONTRL % 49 DAT 0	AESIN 6/1/2012 CONTRL % 15 DAT 0	AESIN 7/5/2012 CONTRL % 49 DAT 0
									13	14	15	16	17	18
1	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	69cde	63c	65cd	59c	98a	98a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
2	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	43ij	56cd	61def	54c	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	60efg	75b	56fg	39efg	95a	98a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
4	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	61d-g	50def	58efg	44de	97a	92ab
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
5	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	63def	53de	65cd	84b	98a	98a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
6	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	31k	33h	38h	23h	84b	96a
	No Surfactant													
7	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	91ab	98a	98a	98a	96a	96a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	94ab	98a	98a	98a	96a	97a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
9	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	90ab	98a	97a	98a	98a	96a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
10	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	93ab	98a	97a	98a	98a	96a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
11	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	95a	98a	97a	98a	98a	97a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
12	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	86ab	83b	91a	94a	95a	88bc
	No Surfactant													
13	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	85b	39gh	75b	59c	98a	98a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
14	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	75c	53de	69bc	43e	98a	94ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
15	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	45hi	36gh	63c-f	26h	97a	71d
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
16	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	49hi	39gh	53g	30gh	98a	94ab
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
17	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	70cd	39gh	53g	40ef	98a	98a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
18	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0l	33h	43h	75b	93a	81c
	No Surfactant													
19	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	48hi	45efg	64cde	24h	98a	98a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
20	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	40ijk	36gh	53g	0i	98a	98a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
21	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	53gh	43fg	51g	53cd	98a	98a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
22	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	59fg	36gh	73b	31fgh	97a	95ab
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPES 6/1/2012 CONTRL % 15 DAT 0 13	CYPES 6/7/2012 CONTRL % 21 DAT 0 14	CYPES 6/18/2012 CONTRL % 32 DAT 0 15	CYPES 7/5/2012 CONTRL % 49 DAT 0 16	AESIN 6/1/2012 CONTRL % 15 DAT 0 17	AESIN 7/5/2012 CONTRL % 49 DAT 0 18
23	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	65def	40gh	63c-f	43e	98a	98a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
24	Grasp Xtra No Surfactant	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	35jk	38gh	39h	25h	94a	69d
25	Nontreated								0l	0i	0i	0i	0c	0e
LSD (P=.05)									9.6	9.8	7.3	9.5	7.8	7.5
Standard Deviation									6.8	6.9	5.2	6.8	5.5	5.3
CV									11.32	12.56	7.98	12.67	5.94	5.92
Replicate F									1.293	2.068	7.020	0.950	0.691	1.076
Replicate Prob(F)									0.2835	0.1120	0.0003	0.4213	0.5606	0.3649
Treatment F									61.466	59.856	82.356	87.181	50.366	58.753
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/1/2012 INJURY % 15 DAT 0	RICE 6/7/2012 INJURY % 21 DAT 0	RICE 6/18/2012 INJURY % 32 DAT 0	RICE 7/5/2012 INJURY % 49 DAT 0	RICE 8/6/2012 HEIGHT cm HARVEST 0	RICE 8/6/2012 HEIGHT cm HARVEST 0
									19	20	21	22	23	24
1	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	115a	117a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
2	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	115a	117a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
3	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	115a	114a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
4	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	115a	116a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
5	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	116a	118a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
6	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	0a	0a	0a	0a	117a	119a
	No Surfactant													
7	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	117a	119a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
8	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	119a	116a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
9	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	114a	115a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
10	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	115a	117a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
11	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	113a	131a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
12	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	0a	0a	0a	0a	119a	119a
	No Surfactant													
13	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	115a	117a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
14	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	120a	119a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
15	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	114a	116a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
16	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	115a	118a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						
17	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	116a	114a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
18	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	0a	0a	0a	0a	118a	119a
	No Surfactant													
19	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	113a	115a
	MSO	100%		1%	v/v	1%	v/v	EPOST						
20	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	115a	115a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST						
21	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	116a	118a
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST						
22	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	114a	115a
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST						

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								6/1/2012	6/7/2012	6/18/2012	7/5/2012	8/6/2012	8/6/2012
	Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	%	cm	cm
	Trt-Eval Interval								15 DAT	21 DAT	32 DAT	49 DAT	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
23	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	115a	116a
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST						
24	Grasp Xtra No Surfactant	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	0a	0a	0a	0a	116a	118a
25	Nontreated								0a	0a	0a	0a	117a	124a
	LSD (P=.05)								0.0	0.0	0.0	0.0	5.1	11.0
	Standard Deviation								0.0	0.0	0.0	0.0	3.6	7.8
	CV								0.0	0.0	0.0	0.0	3.13	6.6
	Replicate F								0.000	0.000	0.000	0.000	17.779	1.883
	Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0001	0.1402
	Treatment F								0.000	0.000	0.000	0.000	0.983	0.804
	Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000	0.4985	0.7205

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 height avg/cm HARVEST 0	RICE 8/6/2012 plot length ft HARVEST 2	RICE 8/7/2012 YIELD g/plot HARVEST 0	RICE 8/7/2012 YIELD LB/A HARVEST 0	RICE 8/7/2012 YIELD KG HARVEST 0
	Pest Code												
	Rating Date								8/6/2012	8/6/2012	8/7/2012	8/7/2012	8/7/2012
	Rating Type								height	plot length	YIELD	YIELD	YIELD
	Rating Unit								avg/cm	ft	g/plot	LB/A	KG
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	2	0	0	0
1	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	116a	13.79a	2720a-d	6471a-d	7253a-d
	MSO	100%		1%	v/v	1%	v/v	EPOST					
2	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	116a	13.79a	2732a-d	6499a-d	7284a-d
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
3	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	115a	13.79a	2424cde	5766cde	6463cde
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST					
4	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	116a	13.79a	2308c-f	5490c-f	6153c-f
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST					
5	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	117a	13.79a	2456cde	5842cde	6547cde
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST					
6	Regiment	80%		0.0375	lb ai/a	0.6	oz ai/a	EPOST	118a	13.79a	2665a-e	6339a-e	7105a-e
	No Surfactant												
7	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	118a	13.79a	2467cde	5869cde	6578cde
	MSO	100%		1%	v/v	1%	v/v	EPOST					
8	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	117a	13.79a	3032ab	7212ab	8084ab
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
9	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	115a	13.79a	2480cde	5899cde	6611cde
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST					
10	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	116a	13.79a	2669a-e	6349a-e	7117a-e
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST					
11	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	122a	13.79a	2701a-e	6424a-e	7201a-e
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST					
12	Permit Plus	75%	AW/W	0.047	lb ai/a	0.75	oz ai/a	EPOST	119a	13.79a	2758a-d	6560a-d	7353a-d
	No Surfactant												
13	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	116a	13.79a	2249def	5349def	5995def
	MSO	100%		1%	v/v	1%	v/v	EPOST					
14	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	119a	13.79a	3085a	7339a	8226a
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
15	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	115a	13.79a	2255def	5363def	6012def
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST					
16	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	117a	13.79a	2299c-f	5467c-f	6128c-f
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST					
17	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	115a	13.79a	1892fg	4501fg	5045fg
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST					
18	Grasp	0.83	LBA/GAL	0.0149	lb ai/a	2.3	fl oz/a	EPOST	118a	13.79a	2505cde	5957cde	6677cde
	No Surfactant												
19	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	114a	13.79a	2521b-e	5996b-e	6720b-e
	MSO	100%		1%	v/v	1%	v/v	EPOST					
20	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	115a	13.79a	2802abc	6665abc	7470abc
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
21	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	117a	13.79a	2446cde	5818cde	6521cde
	Silicone	100%		50	ml/a	1.69	fl oz/a	EPOST					
22	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	115a	13.79a	2688a-e	6393a-e	7165a-e
	Silicone	100%		80	ml/a	2.7	fl oz/a	EPOST					

LSU AgCenter SPESS

Silicone Based Adjuvant study

Trial ID:C12-51 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-51 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	25	26	27	28	29
Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									8/6/2012	8/6/2012	8/7/2012	8/7/2012	8/7/2012
Rating Type									height	plot length	YIELD	YIELD	YIELD
Rating Unit									avg/cm	ft	g/plot	LB/A	KG
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	2	0	0	0
23	Grasp Xtra	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	115a	13.79a	2181efg	5187efg	5814efg
	Silicone	100%		110	ml/a	3.72	fl oz/a	EPOST					
24	Grasp Xtra No Surfactant	1.75	LBA/GAL	0.314	lb ai/a	23	fl oz/a	EPOST	117a	13.79a	2290c-f	5447c-f	6105c-f
25	Nontreated								120a	13.79a	1701g	4046g	4534g
LSD (P=.05)									6.7	0.000	523.5	1245.2	1395.7
Standard Deviation									4.7	0.000	370.2	880.5	986.9
CV									4.07	0.0	14.85	14.85	14.85
Replicate F									7.410	0.000	1.207	1.207	1.207
Replicate Prob(F)									0.0002	1.0000	0.3132	0.3132	0.3132
Treatment F									0.706	0.000	2.899	2.899	2.899
Treatment Prob(F)									0.8297	1.0000	0.0003	0.0003	0.0003

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School of Plant, Environmental and Soil Sciences

RiceBreaux as a Surfactant

Experiment number..... : **C12-53**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1
Planting date ..... : 4/23/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/30/12
Time [hh:mm-hh:mm]..... : 11:23-11:39A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 83/81
Relative humidity [%] ..... : 74
Wind [mph, direction] ..... : 4-7/W
Weather [sunny, etc]..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 3-4lf
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :- (height/#leaves) -
ECHCG(100-150m^{-2}) ..... : 4-6"/2-3lf
BRAPP(100-150m^{-2}) ..... : 4-6"/2-3lf
SEBEX(5-10m^{-2})……:.... : 4-6"/5-7lf
AESIN(3-5m^{-2}) ..... : 4-6"/5-7lf
ORYSA(75-100m^{-2})..... : 4-6"/2-3lf

Flush Dates..... : 4/26, 5/2, 5/15
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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RiceBeaux as Surfactant

Trial ID:C12-53 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-53 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
Pest Code									RICE	ORYSA	ECHCG	SEBEX
Rating Date									6/18/2012	6/18/2012	6/18/2012	6/18/2012
Rating Type									INJURY	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%
Trt-Eval Interval									18 DAT	18 DAT	18 DAT	18 DAT
Number of Decimals									0	0	0	0
1	RiceBeaux	6	LBA/GAL	4%	v/v	77	fl oz/a	EPOST	0a	0c	21cd	95a
2	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	14de	40c
	Agri-Dex	100%		0.25%	v/v	4.8	fl oz/a	EPOST				
3	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	28bcd	15e
	Agri-Dex	100%		0.5%	v/v	9.6	fl oz/a	EPOST				
4	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	30bc	34cd
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST				
5	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	29bc	26d
	Agri-Dex	100%		2%	v/v	38.4	fl oz/a	EPOST				
6	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	14de	29d
	Agri-Dex	100%		4%	v/v	77	fl oz/a	EPOST				
7	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	25cd	75b
	RiceBeaux	6	LBA/GAL	0.25%	v/v	4.8	fl oz/a	EPOST				
8	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	25cd	74b
	RiceBeaux	6	LBA/GAL	0.5%	v/v	9.6	fl oz/a	EPOST				
9	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	81b	40b	92a
	RiceBeaux	6	LBA/GAL	1%	v/v	19.2	fl oz/a	EPOST				
10	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	80b	65a	93a
	RiceBeaux	6	LBA/GAL	2%	v/v	38.4	fl oz/a	EPOST				
11	Newpath	2	LBA/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	0a	86a	73a	97a
	RiceBeaux	6	LBA/GAL	4%	v/v	77	fl oz/a	EPOST				
12	Nontreated								0a	0c	0e	0f
LSD (P=.05)									0.0	2.3	14.8	9.6
Standard Deviation									0.0	1.6	10.3	6.6
CV									0.0	2.39	33.96	11.88
Replicate F									0.000	0.268	1.115	0.131
Replicate Prob(F)									1.0000	0.8478	0.3569	0.9413
Treatment F									0.000	1531.683	16.217	114.025
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001

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Preflood Combinations for Weed Control in Conventional Rice

Experiment number..... : **C12-67**
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 ..... : 6/29/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 7/3/12
Uniform std. treatment ..... : N/A

Application type..... : PreFlood
Date applied [mm/dd/yy] ..... : 07/18/12
Time [hh:mm-hh:mm]..... : 9:20-9:45A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 85/84
Relative humidity [%] ..... : 81
Wind [mph, direction] ..... : 6-7/SW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 5-6lf/6-8"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :---------- (height/#leaves) ----------
CYPIR(150-200m^{-2}) ..... : 3-4"/3-6lf
CYPES(5-10m^{-2}) ..... : 5-7"/3-6lf
SEBEX(7-13m^{-2})……:.... : 5-7"/4-6lf
CNPPA(1-5m^{-2}) ..... : 4-6"/4-6lf
ALRPH(3-5m^{-2}) ..... : 3-5"/6-12lf

Flush Dates..... : 6/29, 7/3, 7/15
Permanent Flood ..... : 7/19

*AMFF – Air mix flat fan nozzles

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Preflood Combinations for Weed Control in Conventional Rice

Trial ID:C12-67 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-67 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code								SEBEX	SEBEX	SEBEX	CYPIR	CYPIR	CYPIR
Rating Date								8/6/2012	8/18/2012	8/22/2012	8/6/2012	8/18/2012	8/22/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								13 DAT	25 DAT	29 DAT	13 DAT	25 DAT	29 DAT
Number of Decimals								0	0	0	0	0	0
1	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	0d	0d	0c	0c	0c	0c
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
2	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	81c	92bc	96ab	80a	97a	97a
	Strada	50	0.0656	lb ai/a	2.1	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
3	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	84bc	96ab	98a	89a	98a	97a
	Halomax	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
4	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	88abc	98a	93b	81a	98a	96a
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
5	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	85abc	95ab	98a	89a	98a	95a
	Strada Pro				2.45	oz/a	PREFL						
	Strada	50	0.064	lb ai/a	2.06	oz/a	PREFL						
	Halomax	75	0.0183	lb ai/a	0.39	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
6	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	85abc	97a	97a	88a	97a	95a
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
7	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	88abc	97a	98a	87a	97a	98a
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	PREFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
8	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	89ab	97a	97a	85a	98a	97a
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
9	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	84bc	96ab	98a	86a	98a	98a
	Permit Plus	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
10	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	83bc	94ab	95ab	84a	97a	95a
	League	75	0.188	lb ai/a	4	oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
11	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	86abc	97a	98a	84a	98a	97a
	Regiment	80	0.025	lb ai/a	0.5	oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
12	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	91a	89c	97a	53b	82b	66b
	Broadhead	70	0.525	lb ai/a	12	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
13	Nontreated Check							0d	0d	0c	0c	0c	0c
LSD (P=.05)								6.5	4.4	3.4	9.3	4.8	10.1
Standard Deviation								4.6	3.1	2.4	6.5	3.4	7.1

CV	6.32	3.85	2.95	9.36	4.13	8.91
Replicate F	0.520	10.057	1.506	1.676	0.830	0.981
Replicate Prob(F)	0.6714	0.0001	0.2296	0.1894	0.4859	0.4126
Treatment F	198.875	535.144	909.357	98.188	469.283	105.062
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Preflood Combinations for Weed Control in Conventional Rice

Trial ID:C12-67 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-67 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Pest Code								CNPPA	CNPPA	CNPPA	ALRPH	ALRPH	ALRPH
Rating Date								8/6/2012	8/18/2012	8/22/2012	8/6/2012	8/18/2012	8/22/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								13 DAT	25 DAT	29 DAT	13 DAT	25 DAT	29 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	0e	0c	0b	0e	0f	0e
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
2	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	68cd	79ab	78a	48bcd	59cd	46d
	Strada	50	0.0656	lb ai/a	2.1	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
3	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	74abc	76ab	76a	41d	48de	51cd
	Halomax	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
4	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	73bcd	75ab	74a	48bcd	53de	53bcd
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
5	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	74abc	81a	83a	46cd	55d	69ab
	Strada Pro				2.45	oz/a	PREFL						
	Strada	50	0.064	lb ai/a	2.06	oz/a	PREFL						
	Halomax	75	0.0183	lb ai/a	0.39	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
6	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	70bcd	78ab	64a	54abc	69bc	61a-d
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
7	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	75abc	84a	79a	54abc	75ab	66abc
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	PREFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
8	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	75abc	71b	73a	53bcd	71ab	65abc
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
9	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	73bcd	70b	78a	44cd	43e	60a-d
	Permit Plus	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
10	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	64d	75ab	76a	41d	55d	56a-d
	League	75	0.188	lb ai/a	4	oz/a	PREFL						
	Dyne-a-Pak		0.67	% v/v	12.8	oz/a	PREFL						
11	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	78ab	79ab	76a	59ab	81a	70a
	Regiment	80	0.025	lb ai/a	0.5	oz/a	PREFL						
	Dyne-a-Pak		0.67	% v/v	12.8	oz/a	PREFL						
12	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	83a	76ab	64a	65a	75ab	64abc
	Broadhead	70	0.525	lb ai/a	12	oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
13	Nontreated Check							0e	0c	0b	0e	0f	0e
LSD (P=.05)								9.6	9.1	22.3	12.2	12.0	16.7
Standard Deviation								6.8	6.3	15.6	8.6	8.4	11.7

CV	10.92	9.78	24.74	20.19	16.0	22.93
Replicate F	0.292	0.044	3.219	0.531	3.352	6.516
Replicate Prob(F)	0.8311	0.9876	0.0340	0.6638	0.0295	0.0012
Treatment F	67.847	83.672	13.350	21.844	38.469	16.436
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Preflood Combinations for Weed Control in Conventional Rice

Trial ID:C12-67 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-67 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/6/2012 INJURY % 13 DAT 0	RICE 8/18/2012 INJURY % 25 DAT 0	RICE 8/22/2012 INJURY % 29 DAT 0
1	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	0a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
2	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	4a	0a	6a
	Strada	50	0.0656	lb ai/a	2.1	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
3	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	3a	0a	5a
	Halomax	75	0.035	lb ai/a	0.75	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
4	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	3a	0a	10a
	Strada Pro				2.08	oz/a	PREFL			
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL			
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
5	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	8a	0a	3a
	Strada Pro				2.45	oz/a	PREFL			
	Strada	50	0.064	lb ai/a	2.06	oz/a	PREFL			
	Halomax	75	0.0183	lb ai/a	0.39	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
6	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	5a	0a	4a
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL			
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
7	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	3a	0a	5a
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	PREFL			
	Strada	50	0.0625	lb ai/a	2	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
8	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	3a	0a	8a
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL			
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL			
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
9	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	0a	0a	0a
	Permit Plus	75	0.035	lb ai/a	0.75	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
10	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	3a	0a	11a
	League	75	0.188	lb ai/a	4	oz/a	PREFL			
	Dyne-a-Pak		0.67	% v/v	12.8	oz/a	PREFL			
11	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	5a	0a	14a
	Regiment	80	0.025	lb ai/a	0.5	oz/a	PREFL			
	Dyne-a-Pak		0.67	% v/v	12.8	oz/a	PREFL			
12	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	10a	0a	4a
	Broadhead	70	0.525	lb ai/a	12	oz/a	PREFL			
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL			
13	Nontreated Check							0a	0a	0a
LSD (P=.05)								6.9	0.0	9.1
Standard Deviation								4.8	0.0	6.4

CV	142.58	0.0	120.17
Replicate F	2.749	0.000	1.155
Replicate Prob(F)	0.0569	1.0000	0.3404
Treatment F	1.510	0.000	1.913
Treatment Prob(F)	0.1656	1.0000	0.0661

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Preflood Weed Control in Clearfield Rice

Experiment number..... : **C12-68**
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 ..... : 6/29/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 7/3/12
Uniform std. treatment ..... : N/A

Application type..... :
Date applied [mm/dd/yy] ..... : 07/24/12
Time [hh:mm-hh:mm]..... : 9:45-10:00A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 85/84
Relative humidity [%] ..... : 81
Wind [mph, direction] ..... : 6-7/SW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 5-6lf/6-8"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :---------- (height/#leaves) ----------
CYPIR(150-200m^{-2}) ..... : 3-4"/3-6lf
SEBEX(7-13m^{-2})……..:.... : 5-7"/4-6lf
ALRPH(3-5m^{-2}) ..... : 3-5"/6-12lf

Flush Dates..... : 6/29, 7/3, 7/15
Permanent Flood ..... : 7/19

*AMFF – Air mix flat fan nozzles

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Preflood Weed Control in Clearfield Rice

Trial ID:C12-68 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-68 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 8/6/2012 CONTROL % 13 DAT 0	SEBEX 8/18/2012 CONTROL % 25 DAT 0	SEBEX 8/22/2012 CONTROL % 29 DAT 0	CYPIR 8/6/2012 CONTROL % 13 DAT 0	CYPIR 8/18/2012 CONTROL % 25 DAT 0	CYPIR 8/22/2012 CONTROL % 29 DAT 0
								1	2	3	4	5	6
1	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	0d	4b	20b	55c	93b	97b
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
2	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	89ab	98a	98a	84ab	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada	50	0.0656	lb ai/a	2.1	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
3	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	90a	98a	98a	89a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Halomax	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
4	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	89ab	98a	98a	90a	98a	97ab
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
5	Clearpath	75	0.45	lb ai/a	9.6	oz/a	1 LF	85bc	98a	98a	86ab	97a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
6	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	90a	98a	98a	90a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.45	oz/a	PREFL						
	Strada	50	0.064	lb ai/a	2.06	oz/a	PREFL						
	Halomax	75	0.0183	lb ai/a	0.39	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
7	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	83c	98a	98a	84ab	97a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
8	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	84c	98a	98a	80b	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	PREFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	PREFL						

Newpath	2	0.078lb ai/a	5fl oz/a	PREFL						
Agri-Dex		1% v/v	19.2oz/a	PREFL						

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Preflood Weed Control in Clearfield Rice

Trial ID:C12-68 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-68 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Pest Code							SEBEX	SEBEX	SEBEX	CYPIR	CYPIR	CYPIR
Rating Date							8/6/2012	8/18/2012	8/22/2012	8/6/2012	8/18/2012	8/22/2012
Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							13 DAT	25 DAT	29 DAT	13 DAT	25 DAT	29 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
9	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	86abc	98a	98a	86ab	97a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
10	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	89ab	98a	98a	90a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Permit Plus	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
11	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	86abc	96a	98a	88a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	League	75	0.188	lb ai/a	4	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
12	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	89ab	98a	98a	90a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Regiment	80	0.025	lb ai/a	0.5	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
13	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	90a	98a	98a	89a	98a	98a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Broadhead	70	0.525	lb ai/a	12	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
14	Nontreated Check							0d	0c	0c	0d	0c	0c
LSD (P=.05)								4.2	2.5	0.0	7.0	3.4	0.9
Standard Deviation								2.9	1.7	0.0	4.9	2.4	0.6
CV								3.9	2.05	0.0	6.19	2.66	0.66
Replicate F								0.888	0.135	0.000	3.017	1.000	1.644
Replicate Prob(F)								0.4561	0.9388	1.0000	0.0413	0.4031	0.1950
Treatment F								473.803	1640.366	0.000	100.242	470.029	7628.832
Treatment Prob(F)								0.0001	0.0001	1.0000	0.0001	0.0001	0.0001

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Preflood Weed Control in Clearfield Rice

Trial ID:C12-68 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-68 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ALRPH 8/6/2012 CONTROL % 13 DAT 0	ALRPH 8/18/2012 CONTROL % 25 DAT 0	ALRPH 8/22/2012 CONTROL % 29 DAT 0	RICE 8/6/2012 INJURY % 13 DAT 0	RICE 8/18/2012 INJURY % 25 DAT 0	RICE 8/22/2012 INJURY % 29 DAT 0
								7	8	9	10	11	12
1	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	43e	53de	26c	3a	0a	3a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
2	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	48de	58cd	38c	5a	0a	4a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada	50	0.0656	lb ai/a	2.1	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
3	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	44de	43ef	30c	0a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Halomax	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
4	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	48de	36f	25c	5a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
5	Clearpath	75	0.45	lb ai/a	9.6	oz/a	1 LF	40e	41ef	33c	8a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.08	oz/a	PREFL						
	Strada	50	0.055	lb ai/a	1.75	oz/a	PREFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
6	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	44de	48def	33c	0a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Strada Pro				2.45	oz/a	PREFL						
	Strada	50	0.064	lb ai/a	2.06	oz/a	PREFL						
	Halomax	75	0.0183	lb ai/a	0.39	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
7	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	58bc	73ab	54b	0a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
8	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	65ab	75ab	70a	3a	0a	8a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	PREFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	PREFL						

Newpath	2	0.078lb ai/a	5fl oz/a	PREFL						
Agri-Dex		1% v/v	19.2oz/a	PREFL						

LSU AgCenter SPESS

Preflood Weed Control in Clearfield Rice

Trial ID:C12-68 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-68 Investigator:Eric P. Webster
Project ID:USORI001 Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
Pest Code								ALRPH	ALRPH	ALRPH	RICE	RICE	RICE
Rating Date								8/6/2012	8/18/2012	8/22/2012	8/6/2012	8/18/2012	8/22/2012
Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								13 DAT	25 DAT	29 DAT	13 DAT	25 DAT	29 DAT
Number of Decimals								0	0	0	0	0	0
9	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	59bc	68bc	69ab	3a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	PREFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	PREFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
10	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	51cd	41ef	33c	10a	0a	3a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Permit Plus	75	0.035	lb ai/a	0.75	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
11	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	44de	59cd	30c	5a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	League	75	0.188	lb ai/a	4	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
12	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	68a	85a	80a	9a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Regiment	80	0.025	lb ai/a	0.5	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Dyne-a-Pak		0.67%	v/v	12.8	oz/a	PREFL						
13	Newpath	2	0.078	lb ai/a	5	fl oz/a	1 LF	69a	78ab	81a	6a	0a	0a
	Agri-Dex		1%	v/v	19.2	oz/a	1 LF						
	Broadhead	70	0.525	lb ai/a	12	oz/a	PREFL						
	Newpath	2	0.078	lb ai/a	5	fl oz/a	PREFL						
	Agri-Dex		1%	v/v	19.2	oz/a	PREFL						
14	Nontreated Check							0f	0g	0d	0a	0a	0a
LSD (P=.05)								8.5	13.4	15.2	7.1	0.0	4.9
Standard Deviation								6.0	9.4	10.6	5.0	0.0	3.5
CV								12.35	17.36	24.8	126.92	0.0	298.26
Replicate F								2.283	1.644	1.970	0.910	0.000	2.123
Replicate Prob(F)								0.0941	0.1950	0.1344	0.4451	1.0000	0.1129
Treatment F								32.454	21.931	20.400	1.851	0.000	1.642
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0690	1.0000	0.1150

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Late Season Applications to Control Broadleaf Escapes

Experiment number..... : **C12-69**
Location ..... : RRS-Crowley, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH ..... : 6.4
  CEC ..... : 19.1
Planting date ..... : 6/29/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 7/3/12
Uniform std. treatment ..... : N/A

Application type..... : POSTFLOOD
Date applied [mm/dd/yy] ..... : 08/01/12
Time [hh:mm-hh:mm]..... : 9:40-10:00A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 82/
Relative humidity [%] ..... : 83
Wind [mph, direction] ..... : 2-4/NW
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height..... :
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : JCF

Weed Species (population)..... :---------- (height/#leaves) ----------
SEBEX($15m^{-2}$) ..... : 10-12"/7-10lf
CNPPA($1m^{-2}$) ..... : 6-8"/5lf
CYPIR($500m^{-2}$) ..... : 12"/3lf

Flush Dates..... : 6/29, 7/3, 7/15
Permanent Flood ..... : 7/19

*AMFF – Air mix flat fan nozzles

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Late Season Applications to Control Broadleaf Escapes

Trial ID:C12-69 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-69 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 8/8/2012 CONTROL % 14 DAT 0	SEBEX 8/16/2012 CONTROL % 22 DAT 0	SEBEX 8/22/2012 CONTROL % 28 DAT 0	CYPIR 8/8/2012 CONTROL % 14 DAT 0	CYPIR 8/16/2012 CONTROL % 22 DAT 0	CYPIR 8/22/2012 CONTROL % 28 DAT 0
								1	2	3	4	5	6
1	Treated Check							0f	0f	0e	0f	0d	0e
	Command	3	0.4	lb ai/a	17	fl oz/a	PRE						
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
2	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	70cd	74e	85bcd	59c	0d	66bcd
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada	50	0.0625	lb ai/a	2	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
3	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	59e	0f	78d	0f	0d	56d
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
4	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	78b	83d	90abc	74ab	97a	96a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Halomax	75	0.047	lb ai/a	1	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
5	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	69d	83d	83cd	0f	93a	75b
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	POFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
6	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	70cd	83d	84bcd	25e	0d	58d
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	POFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
7	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	76b	90a-d	90abc	73ab	95a	95a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	POFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	POFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
8	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	75bc	93abc	90abc	68bc	95a	95a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.08	oz/a	POFL						
	Strada	50	0.0547	lb ai/a	1.75	oz/a	POFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
9	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	75bc	83d	88bc	69bc	91a	95a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.45	oz/a	POFL						
	Strada	50	0.0644	lb ai/a	2.06	oz/a	POFL						
	Halomax	75	0.018	lb ai/a	0.39	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
10	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	75bc	85cd	85bcd	74ab	84a	95a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						

Permit Plus	75	0.035lb ai/a	0.75oz/a	POFL						
Agri-Dex		1% v/v	19.2oz/a	POFL						
11Command	3	0.4lb ai/a	17fl oz/a	PRE	70cd	90a-d	83cd	39d	67b	73bc
Ricestar HT	0.58	0.109lb ai/a	24fl oz/a	4-5 LF						
Grasp	2	0.0156lb ai/a	1fl oz/a	POFL						
Agri-Dex		1% v/v	19.2oz/a	POFL						

LSU AgCenter SPESS

Late Season Applications to Control Broadleaf Escapes

Trial ID:C12-69 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-69 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code							SEBEX	SEBEX	SEBEX	CYPIR	CYPIR	CYPIR
	Rating Date							8/8/2012	8/16/2012	8/22/2012	8/8/2012	8/16/2012	8/22/2012
	Rating Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit							%	%	%	%	%	%
	Trt-Eval Interval							14 DAT	22 DAT	28 DAT	14 DAT	22 DAT	28 DAT
	Number of Decimals							0	0	0	0	0	0
12	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	80b	86bcd	91ab	71b	28c	60cd
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Broadhead	70	0.525	lb ai/a	12	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
13	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	88a	96a	96a	83a	95a	95a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.08	oz/a	POFL						
	Strada	50	0.0547	lb ai/a	1.75	oz/a	POFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	POFL						
	Propanil	4	2	lb ai/a	2	qt/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
14	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	86a	94ab	97a	78ab	95a	93a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Facet	75	0.33	lb ai/a	0.44	lb/a	POFL						
	Propanil	4	4	lb ai/a	4	qt/a	POFL						
	LSD (P=.05)							5.8	8.5	8.1	11.1	14.9	14.2
	Standard Deviation							4.0	6.0	5.7	7.7	10.5	10.0
	CV							5.83	8.05	7.01	15.28	17.45	13.29
	Replicate F							1.826	2.023	0.214	0.397	0.435	1.809
	Replicate Prob(F)							0.1584	0.1265	0.8863	0.7561	0.7292	0.1614
	Treatment F							110.646	114.634	70.722	66.007	68.547	28.796
	Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Late Season Applications to Control Broadleaf Escapes

Trial ID:C12-69 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-69 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA 8/8/2012 CONTROL % 14 DAT 0	CNPPA 8/16/2012 CONTROL % 22 DAT 0	CNPPA 8/22/2012 CONTROL % 28 DAT 0	RICE 8/8/2012 INJURY % 14 DAT 0	RICE 8/16/2012 INJURY % 22 DAT 0	RICE 8/22/2012 INJURY % 28 DAT 0
								7	8	9	10	11	12
1	Treated Check							0d	0d	0g	0b	0a	0a
	Command	3	0.4	lb ai/a	17	fl oz/a	PRE						
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
2	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	71ab	76bc	65b-e	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada	50	0.0625	lb ai/a	2	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
3	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	41c	0d	45f	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
4	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	74ab	85ab	71b	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Halomax	75	0.047	lb ai/a	1	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
5	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	68ab	84ab	55def	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	POFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
6	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	66b	70c	53ef	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.375	lb ai/a	0.5	lb/a	POFL						
	Strada	50	0.0625	lb ai/a	2	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
7	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	68ab	80abc	58c-f	3b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Quinstar	75	0.28	lb ai/a	0.375	lb/a	POFL						
	Strada	50	0.047	lb ai/a	1.5	oz/a	POFL						
	Halomax	75	0.0131	lb ai/a	0.28	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
8	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	74ab	91a	71b	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.08	oz/a	POFL						
	Strada	50	0.0547	lb ai/a	1.75	oz/a	POFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
9	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	71ab	86ab	68bcd	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.45	oz/a	POFL						
	Strada	50	0.0644	lb ai/a	2.06	oz/a	POFL						
	Halomax	75	0.018	lb ai/a	0.39	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
10	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	71ab	86ab	74ab	0b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						

	Permit Plus	75	0.035lb ai/a	0.75oz/a	POFL						
	Agri-Dex		1% v/v	19.2oz/a	POFL						
11	Command	3	0.4lb ai/a	17fl oz/a	PRE	74ab	80abc	70bc	3b	0a	0a
	Ricestar HT	0.58	0.109lb ai/a	24fl oz/a	4-5 LF						
	Grasp	2	0.0156lb ai/a	1fl oz/a	POFL						
	Agri-Dex		1% v/v	19.2oz/a	POFL						

LSU AgCenter SPESS

Late Season Applications to Control Broadleaf Escapes

Trial ID:C12-69 Location:RRS-Crowley, LA Trial Year:
Protocol ID:C12-69 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA 8/8/2012 CONTROL % 14 DAT 0	CNPPA 8/16/2012 CONTROL % 22 DAT 0	CNPPA 8/22/2012 CONTROL % 28 DAT 0	RICE 8/8/2012 INJURY % 14 DAT 0	RICE 8/16/2012 INJURY % 22 DAT 0	RICE 8/22/2012 INJURY % 28 DAT 0
	Pest Code							CNPPA	CNPPA	CNPPA	RICE	RICE	RICE
	Rating Date							8/8/2012	8/16/2012	8/22/2012	8/8/2012	8/16/2012	8/22/2012
	Rating Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit							%	%	%	%	%	%
	Trt-Eval Interval							14 DAT	22 DAT	28 DAT	14 DAT	22 DAT	28 DAT
	Number of Decimals							0	0	0	0	0	0
								7	8	9	10	11	12
12	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	71ab	84ab	85a	15a	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Broadhead	70	0.525	lb ai/a	12	oz/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
13	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	76ab	88ab	64b-e	3b	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Strada PRO				2.08	oz/a	POFL						
	Strada	50	0.0547	lb ai/a	1.75	oz/a	POFL						
	Halomax	75	0.0155	lb ai/a	0.33	oz/a	POFL						
	Propanil	4	2	lb ai/a	2	qt/a	POFL						
	Agri-Dex		1%	v/v	19.2	oz/a	POFL						
14	Command	3	0.4	lb ai/a	17	fl oz/a	PRE	78a	92a	73ab	14a	0a	0a
	Ricestar HT	0.58	0.109	lb ai/a	24	fl oz/a	4-5 LF						
	Facet	75	0.33	lb ai/a	0.44	lb/a	POFL						
	Propanil	4	4	lb ai/a	4	qt/a	POFL						
	LSD (P=.05)							10.1	13.0	13.5	5.2	0.0	0.0
	Standard Deviation							7.1	9.1	9.4	3.7	0.0	0.0
	CV							10.94	12.7	15.54	141.64	0.0	0.0
	Replicate F							0.491	1.880	1.137	0.476	0.000	0.000
	Replicate Prob(F)							0.6907	0.1490	0.3462	0.7010	1.0000	1.0000
	Treatment F							33.834	46.129	18.404	7.754	0.000	0.000
	Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	1.0000

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Newpath and RiceBeaux Synergism

Experiment number..... : **SJ12-01**
Location ..... : RS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 9:20-9:43A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 72/75
Relative humidity [%] ..... : 66
Wind [mph, direction] ..... : 3,NNW
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : wet/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
ECHCG(150-200m^{-2}) ..... : 0.25/4"/1lf-2till
SEBEX(100-150m^{-2}) ..... : 1-6"/cot-10lf
ECLAL(2-5m^{-2})……..: ..... : 0.25-1"/cot-3lf
CYPES(10-15m^{-2}) ..... : 2-8"/3-12lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles

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Newpath and RiceBeaux Synergism Study

Trial ID:SJ12-01 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-01 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date									5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	29 DAT	46 DAT	61 DAT	13 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0e	0f	0e	0j	0d
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	75b	53d	59cd	28hi	35c
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	54c	71bc	51d	34ghi	92a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	15d	10f	69bc	23i	60b
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	49c	71bc	64c	29hi	89a
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	14de	30e	63c	43efg	8d
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	54c	36e	75b	38fgh	8d
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	73b	71bc	63c	45efg	0d
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	81ab	74bc	91a	51cde	83a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	91a	88a	95a	81a	91a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	79ab	79abc	76b	48def	63b
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	80ab	81ab	75b	65b	93a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	79ab	70c	76b	64bc	13d
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	80ab	76bc	78b	60bcd	3d
LSD (P=.05)									14.9	10.6	11.1	13.2	17.7
Standard Deviation									10.4	7.4	7.8	9.3	12.4
CV									17.73	12.83	11.64	21.4	27.27
Replicate F									0.364	0.243	1.028	0.075	2.369
Replicate Prob(F)									0.7790	0.8655	0.3907	0.9733	0.0854
Treatment F									31.891	56.011	33.836	20.013	40.859
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and RiceBeaux Synergism Study

Trial ID:SJ12-01 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-01 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/14/2012 CONTROL % 29 DAT 0	SEBEX 6/26/2012 CONTROL % 46 DAT 0	SEBEX 7/11/2012 CONTROL % 61 DAT 0	ECLAL 5/29/2012 CONTROL % 13 DAT 0	CYPES 5/29/2012 CONTROL % 13 DAT 0
									6	7	8	9	10
1	No Newpath No Mixture								0e	0f	0d	0c	0e
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	63d	16de	68b	79b	83bc
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	88a	88a	68b	86ab	83bc
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	74c	28d	73ab	85ab	83bc
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	86a	75ab	59c	89ab	86ab
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	5e	0f	0d	79b	83bc
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0e	8ef	0d	88ab	74cd
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0e	0f	0d	81ab	88ab
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	78bc	54c	79a	93a	90ab
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	83ab	79ab	73ab	93a	93a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	71c	70b	0d	90ab	90ab
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	78bc	68b	0d	90ab	89ab
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	0e	0f	0d	80b	73d
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	0e	0f	0d	88ab	91ab
LSD (P=.05)									7.9	12.8	8.0	12.0	9.2
Standard Deviation									5.5	9.0	5.6	8.4	6.4
CV									12.35	26.01	18.66	10.49	8.16
Replicate F									1.667	1.877	0.327	3.541	3.022
Replicate Prob(F)									0.1898	0.1495	0.8059	0.0232	0.0411
Treatment F									209.209	61.648	167.281	31.384	53.378
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and RiceBeaux Synergism Study

Trial ID:SJ12-01 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-01 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								5/29/2012	6/14/2012	6/26/2012	7/11/2012	8/24/2012	8/24/2012
	Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	%	cm	cm
	Trt-Eval Interval								13 DAT	29 DAT	46 DAT	61 DAT	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
1	No Newpath No Mixture								0a	0a	0a	0a	77c-f	68de
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0a	0a	0a	0a	88a-f	78a-e
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0a	0a	0a	0a	93a-d	87abc
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	74def	78a-e
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0a	0a	0a	0a	85a-f	80a-d
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0a	0a	0a	0a	69f	60e
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	69f	75b-e
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	0a	0a	0a	80b-f	78a-e
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	96abc	89ab
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	103a	94ab
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	92a-e	96a
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	99ab	92ab
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	80b-f	70cde
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	72ef	66de
	LSD (P=.05)								0.0	0.0	0.0	0.0	19.8	18.7
	Standard Deviation								0.0	0.0	0.0	0.0	13.9	13.1
	CV								0.0	0.0	0.0	0.0	16.51	16.51
	Replicate F								0.000	0.000	0.000	0.000	6.675	6.403
	Replicate Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0010	0.0012
	Treatment F								0.000	0.000	0.000	0.000	2.629	2.879
	Treatment Prob(F)								1.0000	1.0000	1.0000	1.0000	0.0099	0.0053

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Newpath and RiceBeaux Synergism Study

Trial ID:SJ12-01 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-01 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17
	Pest Code								RICE
	Rating Date								8/24/2012
	Rating Type								AVG HT
	Rating Unit								cm
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	No Newpath No Mixture								73def
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	83a-e
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	90a-d
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	76c-f
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	82a-e
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	64f
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	72ef
8	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a	4	fl oz/a	EPOST	79b-f
9	Newpath RiceBeaux		2LB/GAL 3LB/GAL	0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	93abc
10	Newpath RiceBeaux		2LB/GAL 3LB/GAL	0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	98a
11	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	94ab
12	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	95ab
13	Newpath Bolero		2LB/GAL 8LBA/GAL	0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	75def
14	Newpath Bolero		2LB/GAL 8LBA/GAL	0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	69ef
	LSD (P=.05)								17.2
	Standard Deviation								12.0
	CV								14.75
	Replicate F								8.154
	Replicate Prob(F)								0.0002
	Treatment F								3.235
	Treatment Prob(F)								0.0022

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School of Plant, Environmental and Soil Sciences

Beyond and RiceBeaux Synergism

Experiment number..... : **SJ12-02**
Location ..... : RRS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 9:52-10:10A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 74/75
Relative humidity [%] ..... : 57
Wind [mph, direction] ..... : 5,N
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :--------- (height/#leaves) ----------
ECHCG(5-10m^{-2}) ..... : 0.25-3"/2-6lf
SEBEX(5-10m^{-2}) ..... : 1-4"/cot-10lf
ECLAL(5-10m^{-2})……..: .... : 0.25-1"/cot-3lf
CYPES(2-5m^{-2}) ..... : 2-12"/3-15lf
TRTPO(10-20m^{-2}) ..... : 0.5-3"/cot-4lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Beyond and RiceBeaux Synergism Study

Trial ID:SJ12-02 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-02 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date								5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012	6/14/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								13 DAT	29 DAT	46 DAT	61 DAT	13 DAT	29 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	No Beyond No Mixture								0g	0e	0f	0h	0f	0d
2	No Beyond RiceBeaux	3LB/GAL		0.75	lb ai/a	2	pt/a	EPOST	73c	75b	63d	53de	94abc	89ab
3	No Beyond RiceBeaux	3LB/GAL		1.5	lb ai/a	4	pt/a	EPOST	79bc	85b	73cd	58d	97a	95a
4	No Beyond Propanil	4LBA/GAL		0.75	lb ai/a	1.5	pt/a	EPOST	76bc	53c	68cd	40ef	86bc	91ab
5	No Beyond Propanil	4LBA/GAL		1.5	lb ai/a	3	pt/a	EPOST	56d	48c	49e	33fg	98a	95a
6	No Beyond Bolero	8LBA/GAL		0.75	lb ai/a	0.75	pt/a	EPOST	18f	25d	0f	25g	21e	80b
7	No Beyond Bolero	8LBA/GAL		1.5	lb ai/a	1.5	pt/a	EPOST	41e	40c	63d	56d	0f	83ab
8	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	73c	76b	78bc	65cd	16e	31c
9	Beyond RiceBeaux	1LBA/GAL 3LB/GAL		0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	93a	83b	88ab	83b	95ab	86ab
10	Beyond RiceBeaux	1LBA/GAL 3LB/GAL		0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	87ab	98a	95a	97a	98a	95a
11	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	86ab	83b	78bc	81b	83c	86ab
12	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	85ab	84b	78bc	79bc	95ab	95a
13	Beyond Bolero	1LBA/GAL 8LBA/GAL		0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	76bc	79b	76bc	73bc	0f	41c
14	Beyond Bolero	1LBA/GAL 8LBA/GAL		0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	84abc	80b	75c	78bc	65d	84ab
LSD (P=.05)									12.4	13.1	11.8	14.5	11.5	13.5
Standard Deviation									8.7	9.2	8.2	10.2	8.0	9.4
CV									13.11	14.21	13.11	17.39	13.23	12.56
Replicate F									1.453	2.160	0.827	1.714	0.572	1.523
Replicate Prob(F)									0.2423	0.1083	0.4870	0.1799	0.6371	0.2237
Treatment F									41.351	36.301	49.028	27.413	111.507	38.517
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Beyond and RiceBeaux Synergism Study

Trial ID:SJ12-02 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-02 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	SEBEX	ECLAL	CYPES	TRTPO	RICE
Pest Code									SEBEX	SEBEX	ECLAL	CYPES	TRTPO	RICE
Rating Date									6/26/2012	7/11/2012	5/29/2012	5/29/2012	5/29/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									46 DAT	61 DAT	13 DAT	13 DAT	13 DAT	29 DAT
Number of Decimals									0	0	0	0	0	0
									7	8	9	10	11	12
1	No Beyond No Mixture								0e	0c	0g	0f	0e	0a
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	82bc	80a	78bcd	90ab	69d	0a
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	79bc	86a	83abc	80bcd	89a	0a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	91ab	80a	56ef	76cd	80c	0a
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	98a	85a	66de	80bcd	86abc	0a
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	3e	14bc	46f	61e	0e	0a
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	4e	19b	48f	53e	0e	0a
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	5de	0c	68cde	78cd	81bc	0a
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	94ab	84a	93a	86abc	91a	0a
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	88abc	95a	86ab	91ab	93a	0a
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	79bc	76a	64de	85a-d	88ab	0a
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	90ab	84a	90ab	95a	91a	0a
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	20d	0c	76bcd	88abc	89a	0a
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	74c	25b	85ab	74d	81bc	0a
LSD (P=.05)									15.3	18.3	15.6	11.3	7.0	0.0
Standard Deviation									10.7	12.8	10.9	7.9	4.9	0.0
CV									18.64	24.72	16.24	10.66	7.27	0.0
Replicate F									1.436	0.846	0.952	0.885	0.632	0.000
Replicate Prob(F)									0.2469	0.4769	0.4251	0.4572	0.5990	1.0000
Treatment F									56.789	36.689	20.192	37.628	228.581	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Beyond and RiceBeaux Synergism Study

Trial ID:SJ12-02 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-02 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								5/29/2012	6/26/2012	7/11/2012	8/18/2012	8/18/2012	8/18/2012
	Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
	Rating Unit								%	%	%	cm	cm	cm
	Trt-Eval Interval								13 DAT	46 DAT	61 DAT	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
1	No Beyond No Mixture								0a	0a	0a	96a	92cd	94cd
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0a	0a	0a	105a	103ab	104abc
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0a	0a	0a	111a	109ab	110a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	99a	105ab	102abc
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0a	0a	0a	100a	100bc	100bcd
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0a	0a	0a	92a	88d	90d
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	101a	103ab	102abc
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	0a	0a	0a	100a	103ab	101abc
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	102a	104ab	103abc
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	103a	102abc	103abc
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	108a	111a	109ab
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	106a	105ab	105ab
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	108a	104ab	106ab
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	1a	0a	0a	107a	101bc	104abc
	LSD (P=.05)								1.0	0.0	0.0	12.0	10.2	10.1
	Standard Deviation								0.7	0.0	0.0	8.4	7.2	7.1
	CV								748.33	0.0	0.0	8.21	7.04	6.92
	Replicate F								1.000	0.000	0.000	0.318	0.335	0.300
	Replicate Prob(F)								0.4031	1.0000	1.0000	0.8122	0.8002	0.8253
	Treatment F								1.000	0.000	0.000	1.507	2.659	2.187
	Treatment Prob(F)								0.4697	1.0000	1.0000	0.1585	0.0092	0.0298

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Beyond and RiceBeaux Synergism Study

Trial ID:SJ12-02 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-02 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code									RICE	RICE	RICE	RICE	RICE
Rating Date									8/18/2012	8/18/2012	8/18/2012	8/18/2012	8/18/2012
Rating Type									LENGTH	WEIGHT	MOISTURE	YIELD	YIELD
Rating Unit									ft	g/plot	%	lb/ac	KG/HA
Trt-Eval Interval									HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									1	0	1	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23
1	No Beyond No Mixture								15.9a	1332a	22.3a	2410a	2701a
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	15.9a	1840a	22.3a	3330a	3732a
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	15.9a	2064a	22.3a	3734a	4185a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	15.9a	1809a	22.3a	3273a	3669a
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	15.9a	537a	22.3a	972a	1089a
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	15.9a	1483a	22.3a	2684a	3008a
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	15.9a	1648a	22.3a	2982a	3342a
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	15.9a	2015a	22.3a	3646a	4086a
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	15.9a	2539a	22.3a	4593a	5148a
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	15.9a	1269a	22.3a	2297a	2574a
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	15.9a	2249a	22.3a	4069a	4561a
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	15.9a	2603a	22.3a	4710a	5279a
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	15.9a	1768a	22.3a	3198a	3585a
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	15.9a	2644a	22.3a	4785a	5363a
LSD (P=.05)									0.00	1345.7	0.00	2435.0	2729.3
Standard Deviation									0.00	941.7	0.00	1703.9	1909.8
CV									0.0	51.1	0.0	51.1	51.1
Replicate F									0.000	1.350	0.000	1.350	1.350
Replicate Prob(F)									1.0000	0.2724	1.0000	0.2724	0.2724
Treatment F									0.000	1.532	0.000	1.532	1.532
Treatment Prob(F)									1.0000	0.1493	1.0000	0.1493	0.1493

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Newpath and Propanil Synergism

Experiment number..... : **SJ12-03**
Location ..... : RRS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/3/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 10:25-10:37A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 76/77
Relative humidity [%] ..... : 51
Wind [mph, direction] ..... : 0-2,N
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :--------- (height/#leaves) ----------
ECHCG(5-10m^{-2}) ..... : 0.25-3"/2-6lf
SEBEX(5-10m^{-2}) ..... : 1-4"/cot-10lf
ECLAL(5-10m^{-2})……..: .... : 0.25-1"/cot-3lf
CYPES(2-5m^{-2}) ..... : 2-12"/3-15lf
TRTPO(10-20m^{-2}) ..... : 0.5-3"/cot-4lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles

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Newpath and Propanil Synergism Study

Trial ID:SJ12-03 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-03 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date									5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	29 DAT	46 DAT	61 DAT	13 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0d	0e	0e	0f	0c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	75c	74cd	69bcd	36e	80a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	75c	65d	59d	48d	92a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	69c	83bc	66cd	65c	88a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	86b	90ab	86a	75b	95a
6	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a		4fl oz/a	EPOST	76c	74cd	58d	65c	48b
7	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	85b	86b	79abc	61c	91a
8	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	88ab	85b	81ab	86a	88a
9	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	90ab	91ab	89a	93a	96a
10	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	95a	96a	88a	93a	98a
LSD (P=.05)									8.2	9.3	14.8	7.9	19.7
Standard Deviation									5.7	6.4	10.2	5.5	13.6
CV									7.7	8.62	15.13	8.79	17.53
Replicate F									1.977	0.779	1.197	1.372	0.896
Replicate Prob(F)									0.1412	0.5159	0.3297	0.2724	0.4562
Treatment F									91.314	74.811	26.784	109.691	20.652
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Newpath and Propanil Synergism Study

Trial ID:SJ12-03 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-03 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/14/2012 CONTROL % 29 DAT 0	SEBEX 6/26/2012 CONTROL % 46 DAT 0	SEBEX 7/11/2012 CONTROL % 61 DAT 0	ECLAL 5/29/2012 CONTROL % 13 DAT 0	CYPES 5/29/2012 CONTROL % 13 DAT 0
									6	7	8	9	10
1	No Newpath No Mixture								0e	0d	0e	0c	0e
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	80c	79c	33d	79b	81cd
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	87bc	85b	59c	89ab	79d
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	95ab	92a	85ab	86ab	85a-d
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	97a	95a	86ab	91ab	91abc
6	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a		4fl oz/a	EPOST	43d	0d	0e	80b	86a-d
7	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	90ab	80bc	74bc	84ab	83bcd
8	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	90ab	83bc	83ab	90ab	93ab
9	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	93ab	84bc	85ab	94a	88a-d
10	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	97a	95a	93a	95a	96a
LSD (P=.05)									8.7	5.6	16.9	13.0	11.1
Standard Deviation									6.0	3.8	11.6	8.9	7.7
CV									7.78	5.54	19.46	11.34	9.8
Replicate F									3.815	4.291	0.513	1.677	0.302
Replicate Prob(F)									0.0212	0.0134	0.6767	0.1955	0.8238
Treatment F									109.942	370.660	38.506	39.914	53.379
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Newpath and Propanil Synergism Study

Trial ID:SJ12-03 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-03 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
Pest Code									TRTPO	RICE	RICE	RICE	RICE	RICE
Rating Date									5/29/2012	5/29/2012	6/14/2012	6/26/2012	7/11/2012	8/15/2012
Rating Type									CONTROL	INJURY	INJURY	INJURY	INJURY	HEIGHT
Rating Unit									%	%	%	%	%	cm
Trt-Eval Interval									13 DAT	13 DAT	29 DAT	46 DAT	61 DAT	HARVEST
Number of Decimals									0	0	0	0	0	0
1	No Newpath No Mixture								0d	0a	0a	0a	0a	92a
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	86c	0a	0a	0a	0a	102a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	91ab	3a	0a	0a	0a	105a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	89bc	1a	0a	0a	0a	105a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	93ab	0a	0a	0a	0a	110a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	91ab	0a	0a	0a	0a	96a
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	89bc	0a	0a	0a	0a	102a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	94a	0a	0a	0a	0a	107a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	91ab	0a	0a	0a	0a	109a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	96a	0a	0a	0a	0a	107a
LSD (P=.05)									4.7	2.6	0.0	0.0	0.0	12.3
Standard Deviation									3.3	1.8	0.0	0.0	0.0	8.5
CV									3.96	478.34	0.0	0.0	0.0	8.2
Replicate F									4.706	0.712	0.000	0.000	0.000	1.701
Replicate Prob(F)									0.0091	0.5532	1.0000	1.0000	1.0000	0.1905
Treatment F									317.095	0.885	0.000	0.000	0.000	1.933
Treatment Prob(F)									0.0001	0.5507	1.0000	1.0000	1.0000	0.0897

LSU AgCenter SPESS

Newpath and Propanil Synergism Study

Trial ID:SJ12-03 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-03 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 HEIGHT cm HARVEST 0	RICE 8/15/2012 AVG HT cm HARVEST 0	RICE 8/15/2012 LENGTH ft HARVEST 1	RICE 8/15/2012 YIELD g/plot HARVEST 0	RICE 8/15/2012 MOISTURE % HARVEST 1
	Pest Code												
	Rating Date								8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
	Rating Type								HEIGHT	AVG HT	LENGTH	YIELD	MOISTURE
	Rating Unit								cm	cm	ft	g/plot	%
	Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
	Number of Decimals								0	0	1	0	1
									17	18	19	20	21
1	No Newpath No Mixture								94a	93a	15.6a	1625d	22.9a
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	102a	102a	15.6a	1870cd	22.9a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	108a	107a	15.6a	2573a-d	22.9a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	105a	105a	15.6a	2622a-d	22.9a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	110a	110a	15.6a	2824abc	22.9a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	93a	94a	15.6a	2468bcd	22.9a
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	107a	104a	15.6a	2252bcd	22.9a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	109a	108a	15.6a	2825abc	22.9a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	107a	108a	15.6a	3155ab	22.9a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	109a	108a	15.6a	3545a	22.9a
	LSD (P=.05)								12.7	11.5	0.00	1042.8	0.00
	Standard Deviation								8.8	7.9	0.00	715.9	0.00
	CV								8.39	7.65	0.0	27.79	0.0
	Replicate F								2.137	1.964	0.000	0.918	0.000
	Replicate Prob(F)								0.1189	0.1432	1.0000	0.4465	1.0000
	Treatment F								1.944	2.185	0.000	2.532	0.000
	Treatment Prob(F)								0.0880	0.0564	1.0000	0.0322	1.0000

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Newpath and Propanil Synergism Study

Trial ID:SJ12-03 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-03 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 YIELD LB HARVEST 22	RICE 8/15/2012 YIELD KG/HA HARVEST 23
	Pest Code								RICE	RICE
	Rating Date								8/15/2012	8/15/2012
	Rating Type								YIELD	YIELD
	Rating Unit								LB	KG/HA
	Trt-Eval Interval								HARVEST	HARVEST
	Number of Decimals								0	0
1	No Newpath No Mixture								2955d	3312d
2	No Newpath								3400cd	3811cd
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST		
3	No Newpath								4679a-d	5244a-d
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST		
4	No Newpath								4769a-d	5345a-d
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST		
5	No Newpath								5135abc	5755abc
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST		
6	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	4489bcd	5031bcd
7	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	4094bcd	4589bcd
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST		
8	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	5136abc	5757abc
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST		
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	5737ab	6431ab
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST		
10	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	6447a	7226a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST		
	LSD (P=.05)								1896.2	2125.4
	Standard Deviation								1301.8	1459.1
	CV								27.79	27.79
	Replicate F								0.918	0.918
	Replicate Prob(F)								0.4465	0.4465
	Treatment F								2.532	2.532
	Treatment Prob(F)								0.0322	0.0322

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Beyond and Propanil Synergism

Experiment number..... : **SJ12-04**
Location ..... : RRS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 10:40-10:50A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 74/75
Relative humidity [%] ..... : 57
Wind [mph, direction] ..... : 0-2,N
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :--------- (height/#leaves) ----------
ECHCG(5-10m^{-2}) ..... : 0.25-3"/2-6lf
SEBEX(100-150m^{-2}) ..... : 0.25-3"/2-6lf
CYPES(2-5m^{-2})……..:..... : 0.2-12/3-15lf
ECLAL(5-10m^{-2})..... : 0.25-1"/cot-3lf
TRTPO(10-20m^{-2}) ..... : 0.5-3"/cot-4lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles

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Beyond and Propanil Synergism Study

Trial ID:SJ12-04 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-04 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
Rating Date									5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									13 DAT	29 DAT	46 DAT	61 DAT	13 DAT	29 DAT
Number of Decimals									0	0	0	0	0	0
1	No Beyond No Mixture								0e	0f	0e	0g	0e	0e
2	No Beyond Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST	75cd	79cd	70cd	55f	70cd	65c
3	No Beyond Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST	80bc	74de	73bcd	68de	86abc	83ab
4	No Beyond Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST	76cd	85bc	78abc	70cd	91a	84ab
5	No Beyond Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST	83bc	89ab	88a	75c	97a	91a
6	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	68d	70e	63d	63e	3e	0e
7	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	75cd	75de	78abc	75c	54d	34d
8	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	84bc	84bc	79abc	84b	74bc	78b
9	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	89ab	88ab	84ab	90ab	87ab	84ab
10	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	97a	95a	90a	96a	98a	93a
LSD (P=.05)									9.7	7.6	12.9	7.3	16.4	10.4
Standard Deviation									6.7	5.3	8.9	5.1	11.3	7.2
CV									9.18	7.14	12.74	7.49	17.11	11.76
Replicate F									0.505	1.636	0.136	0.361	1.880	0.388
Replicate Prob(F)									0.6818	0.2044	0.9379	0.7813	0.1568	0.7622
Treatment F									64.416	105.206	33.746	112.130	42.192	102.540
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Beyond and Propanil Synergism Study

Trial ID:SJ12-04 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-04 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	SEBEX	ECLAL	CYPES	TRTPO	RICE
Pest Code									SEBEX	SEBEX	ECLAL	CYPES	TRTPO	RICE
Rating Date									6/26/2012	7/11/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									46 DAT	61 DAT	13 DAT	13 DAT	13 DAT	13 DAT
Number of Decimals									0	0	0	0	0	0
									7	8	9	10	11	12
1	No Beyond No Mixture								0e	0d	0b	0e	0c	0a
2	No Beyond Propanil	4LBA/GAL		1lb	ai/a		1qt/a	EPOST	28d	15d	91a	73d	95a	0a
3	No Beyond Propanil	4LBA/GAL		2lb	ai/a		2qt/a	EPOST	71bc	50c	94a	83bc	91ab	0a
4	No Beyond Propanil	4LBA/GAL		3lb	ai/a		3qt/a	EPOST	66c	71b	89a	90ab	93ab	0a
5	No Beyond Propanil	4LBA/GAL		4lb	ai/a		4qt/a	EPOST	86ab	82ab	94a	85b	94ab	0a
6	Beyond No Mixture	1LBA/GAL		0.039lb	ai/a		5fl oz/a	EPOST	0e	0d	92a	83bc	90b	0a
7	Beyond	1LBA/GAL		0.039lb	ai/a		5fl oz/a	EPOST	24d	14d	94a	76cd	92ab	0a
	Propanil	4LBA/GAL		1lb	ai/a		1qt/a	EPOST						
8	Beyond	1LBA/GAL		0.039lb	ai/a		5fl oz/a	EPOST	71bc	65bc	91a	88ab	93ab	0a
	Propanil	4LBA/GAL		2lb	ai/a		2qt/a	EPOST						
9	Beyond	1LBA/GAL		0.039lb	ai/a		5fl oz/a	EPOST	79abc	78ab	91a	86b	91ab	0a
	Propanil	4LBA/GAL		3lb	ai/a		3qt/a	EPOST						
10	Beyond	1LBA/GAL		0.039lb	ai/a		5fl oz/a	EPOST	90a	91a	92a	95a	94ab	0a
	Propanil	4LBA/GAL		4lb	ai/a		4qt/a	EPOST						
LSD (P=.05)									16.3	17.1	5.3	8.7	4.8	0.0
Standard Deviation									11.2	11.8	3.6	6.0	3.3	0.0
CV									21.75	25.28	4.38	7.93	4.0	0.0
Replicate F									0.266	1.750	1.720	1.433	1.850	0.000
Replicate Prob(F)									0.8495	0.1805	0.1864	0.2548	0.1620	1.0000
Treatment F									39.252	37.140	258.471	83.167	309.699	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

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Beyond and Propanil Synergism Study

Trial ID:SJ12-04 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-04 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
Pest Code									RICE	RICE	RICE	RICE	RICE	RICE
Rating Date									6/26/2012	7/11/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type									INJURY	INJURY	HEIGHT	HEIGHT	AVG HT	LENGTH
Rating Unit									%	%	cm	cm	cm	ft
Trt-Eval Interval									46 DAT	61 DAT	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0	1
1	No Beyond No Mixture								0a	0a	67e	63e	65e	15.1a
2	No Beyond Propanil		4LBA/GAL	1	lb ai/a	1	qt/a	EPOST	0a	0a	103bc	100c	101bc	15.1a
3	No Beyond Propanil		4LBA/GAL	2	lb ai/a	2	qt/a	EPOST	0a	0a	105abc	104bc	105bc	15.1a
4	No Beyond Propanil		4LBA/GAL	3	lb ai/a	3	qt/a	EPOST	0a	0a	110ab	107abc	108ab	15.1a
5	No Beyond Propanil		4LBA/GAL	4	lb ai/a	4	qt/a	EPOST	0a	0a	112a	114a	113a	15.1a
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	0a	0a	78d	76d	77d	15.1a
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	0a	0a	98c	100c	99c	15.1a
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	0a	0a	108ab	106abc	107ab	15.1a
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	0a	0a	106abc	110ab	108ab	15.1a
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	0a	0a	106abc	111ab	108ab	15.1a
LSD (P=.05)									0.0	0.0	8.9	9.1	7.6	0.00
Standard Deviation									0.0	0.0	6.1	6.3	5.2	0.00
CV									0.0	0.0	6.16	6.33	5.26	0.0
Replicate F									0.000	0.000	0.992	0.965	1.070	0.000
Replicate Prob(F)									1.0000	1.0000	0.4114	0.4235	0.3782	1.0000
Treatment F									0.000	0.000	23.670	28.298	36.208	0.000
Treatment Prob(F)									1.0000	1.0000	0.0001	0.0001	0.0001	1.0000

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Beyond and Propanil Synergism Study

Trial ID:SJ12-04 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-04 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								8/15/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type								YIELD	MOISTURE	YIELD	YIELD
Rating Unit								g/plot	%	LB	KG/HA
Trt-Eval Interval								HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals								0	1	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22
1	No Beyond No Mixture									23.7a		
2	No Beyond Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST	1903bc	23.7a	3538bc	3965bc
3	No Beyond Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST	2450ab	23.7a	4556ab	5106ab
4	No Beyond Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST	2708ab	23.7a	5035ab	5643ab
5	No Beyond Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST	2617ab	23.7a	4866ab	5454ab
6	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST		23.7a		
7	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	1340c	23.7a	2491c	2792c
8	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	2381ab	23.7a	4426ab	4961ab
9	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	2681ab	23.7a	4984ab	5586ab
10	Beyond Propanil	1LBA/GAL 4LBA/GAL		0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	2904a	23.7a	5400a	6052a
LSD (P=.05)									912.1	0.00	1695.8	1900.7
Standard Deviation									620.2	0.00	1153.0	1292.3
CV									26.13	0.0	26.13	26.13
Replicate F									2.151	0.000	2.151	2.151
Replicate Prob(F)									0.1241	1.0000	0.1241	0.1241
Treatment F									2.739	0.000	2.739	2.739
Treatment Prob(F)									0.0347	1.0000	0.0347	0.0347

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Sebex Density Trial

Experiment number	**SJ12-05**	
Location	RRS-St. Joseph, LA	
Experimental design	RCB	
Number of reps	4	
Plot size	5'x17'	
Row width/# per plot	7.5"/8	
Soil type	Skarkey Clay	
% OM	2.1	
pH	6.1	
Planting date	4/23/12	
Harvest date	8/24/12	
Crop/Variety	CL161	
Emergence date	5/4/12	
Uniform std. treatment	N/A	
Application type	Aim, RiceStar	
Date applied [mm/dd/yy]	05/10/12	05/29/12
Time [hh:mm-hh:mm]	3:00P	9:56A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	79	80.6/80
Relative humidity [%]	60	69.3
Wind [mph, direction]	0-5,ESE	2.3, NNW
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/dry	
Crop stage/Height	Spike/1-2"	4-5/6-8"
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	15/24	15/24
Applied by	NDF	NDF
Weed Species (population)	---------- (height/#leaves) ----------	
SEBEX(0-25m^{-2})		6-10"/8-10lf
TRTPO(50-100m^{-2})		2-6"/20-30lf
BRAPP(1-5m^{-2})……..:		4-7"/4-5lf
CNPPA(1-2m^{-2})		2-3"/8lf
Flush Dates	4/24, 5/3, 5/17	
Permanent Flood	5/25	

*AMFF – Air mix flat fan nozzles

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Hemp Sesbania Density Trial

Trial ID:SJ12-05 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-05 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type	WEED COUNT	HEIGHT	HEIGHT	AVG HT	LENGTH	YIELD	MOISTURE	YIELD	YIELD
Rating Unit	plants/p	cm	cm	cm	ft	g/plot	%	LB	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	0	1	0	1	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8	9
1Weed Free	0e	107a	111a	109a	14.7a	1970a	22.6a	3773a	4229a
22.5 seeds/m^2	27de	108a	112a	110a	14.7a	1712ab	21.6a	3314ab	3715ab
35 seeds/m^2	35cd	101a	109a	105ab	14.7a	1315ab	22.0a	2537ab	2844ab
410 seeds/m^2	67c	101a	100abc	100abc	14.7a	1921a	21.2a	3747a	4200a
515 seeds/m^2	123b	74a	103ab	89c	14.7a	1141b	21.7a	2210b	2477b
620 seeds/m^2	181a	95a	89c	92bc	14.7a	1070b	21.7a	2080b	2332b
725 seeds/m^2	192a	92a	97bc	94bc	14.7a	1111b	21.0a	2169b	2431b
LSD (P=.05)	34.1	25.1	11.9	13.6	0.00	694.3	1.09	1337.2	1498.8
Standard Deviation	22.9	16.9	8.0	9.1	0.00	467.3	0.73	900.1	1008.8
CV	25.71	17.5	7.8	9.17	0.0	31.95	3.37	31.77	31.77
Replicate F	0.111	2.166	4.382	3.370	0.000	1.303	0.628	1.345	1.345
Replicate Prob(F)	0.9524	0.1274	0.0175	0.0414	1.0000	0.3039	0.6061	0.2911	0.2911
Treatment F	44.595	1.839	4.320	3.373	0.000	2.846	2.021	2.825	2.825
Treatment Prob(F)	0.0001	0.1478	0.0072	0.0209	1.0000	0.0396	0.1156	0.0407	0.0407

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Sesbania Competition

Experiment number	:	**SJ12-07**	
Location	:	RRS-St. Joseph, LA	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Sharkey Clay	
% OM	:	2.1	
pH	:	6.1	
Planting date	:	4/23/12	
Harvest date	:	8/24/12	
Crop/Variety	:	CL161	
Emergence date	:	5/4/12	
Uniform std. treatment	:	N/A	
Application type	:	Aim, RiceStar	
Date applied [mm/dd/yy]	:	05/10/12	05/29/12
Time [hh:mm-hh:mm]	:	3:00P	9:56A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	79	80.6/80
Relative humidity [%]	:	60	69.3
Wind [mph, direction]	:	0-5,ESE	2.3,NNW
Weather [sunny, etc]	:	sunny	sunny
Soil/Leaf surface moist	:	dry/dry	
Crop stage/Height	:	spike/1-2"	4-5/6-8"
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	:	15/24	15/24
Applied by	:	NDF	NDF
Weed Species (population)	:	---------- (height/#leaves) ----------	
SEBEX(0-25m^{-2})	:		6-10"/8-10lf
TRTPO(50-100m^{-2})	:		2-6"/20-30lf
BRAPP(1-5m^{-2})……..:	:		4-7"/4-5lf
CNPPA(1-2m^{-2})	:		2-3"/8lf
Flush Dates	:	4/24, 5/3, 5/17	
Permanent Flood	:	5/28	

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Hemp Sesbania Competition--Removal and Weed-free periods

Trial ID:SJ12-07 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type	HEIGHT	HEIGHT	AVG HT	LENGTH	YIELD	MOISTURE	YIELD	YIELD
Rating Unit	cm	cm	cm	ft	g/plot	%	LB	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	0	1	0	0
Trt Treatment No. Name	1	2	3	4	5	6	7	8
1Nontreated	94a	95a	94a	14.6a	1559a	23.2a	2949a	3305a
2Removal at 1 WAE	88a	92a	90a	14.6a	2351a	21.5a	4551a	5101a
3Removal at 2 WAE	91a	90a	91a	14.6a	1747a	20.7a	3425a	3839a
4Removal at 3 WAE	92a	94a	93a	14.6a	1965a	21.0a	3827a	4290a
5Removal at 4 WAE	91a	87a	89a	14.6a	2037a	21.2a	3971a	4451a
6Removal at 6 WAE	93a	93a	93a	14.6a	2116a	20.9a	4141a	4641a
7Removal at 8 WAE	90a	94a	92a	14.6a	1507a	21.2a	2940a	3295a
8Removal at 10 WAE	99a	95a	97a	14.6a	2179a	21.3a	4243a	4756a
9Weed-free until 1 WAE	88a	96a	92a	14.6a	1577a	21.2a	3078a	3450a
10Weed-free until 2 WAE	91a	92a	91a	14.6a	1935a	20.8a	3767a	4223a
11Weed-free until 3 WAE	89a	90a	90a	14.6a	1815a	21.1a	3541a	3969a
12Weed-free until 4 WAE	87a	91a	89a	14.6a	1942a	20.8a	3795a	4254a
13Weed-free until 6 WAE	89a	90a	90a	14.6a	1534a	21.0a	2993a	3355a
14Weed-free	93a	93a	93a	14.6a	2259a	21.0a	4418a	4951a
LSD (P=.05)	8.4	8.2	7.3	0.00	719.9	2.22	1378.3	1544.9
Standard Deviation	5.9	5.7	5.1	0.00	503.8	1.56	964.5	1081.0
CV	6.5	6.22	5.54	0.0	26.59	7.34	26.15	26.15
Replicate F	4.893	4.253	5.480	0.000	7.812	1.896	7.636	7.636
Replicate Prob(F)	0.0056	0.0108	0.0031	1.0000	0.0003	0.1462	0.0004	0.0004
Treatment F	0.995	0.708	0.782	0.000	1.238	0.593	1.310	1.310
Treatment Prob(F)	0.4741	0.7442	0.6736	1.0000	0.2909	0.8449	0.2487	0.2487

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School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Experiment number..... : **SJ12-11**
Location ..... : RRS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... :	PRE	EPOST
Date applied [mm/dd/yy] ..... :	04/27/12	05/16/12
Time [hh:mm-hh:mm]..... :	2:30	8:38-9:01A
Incorporation equip./Depth ..... :	N/A	N/A
Air/Soil temperature [F] ..... :	82/80	72/75
Relative humidity [%] ..... :	83	66
Wind [mph, direction] ..... :	7-10,S	3,NNW
Weather [sunny, etc] ..... :	sunny	pt. cloudy
Soil/Leaf surface moist ..... :	dry/dry	wet/dry
Crop stage/Height ..... :	N/A	2-3lf
Sprayer type/MPH..... :	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*..... :	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing ..... :	18/5/15	18/5/15
GPA/PSI..... :	15/22	15/24
Applied by ..... :	EPW	EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
SEBEX(10-15m^{-2}) ..... : 0.5-2"/cot-5lf
CYPIR(30-50m^{-2}) ..... : 0.5-1"/3-6lf
CYPES(3-6m^{-2})……..:..... : 3-6"/3-9lf
AESIN(3-6m^{-2}) ..... : 1-2"/cot-3lf

Flush Dates..... : 4/24, 5/5, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles
Comments: Command Overspray 12.8oz/A

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 5/30/2012 CONTROL % 14 DAT 0	AESIN 6/6/2012 CONTROL % 21 DAT 0	SEBEX 5/30/2012 CONTROL % 14 DAT 0	SEBEX 6/6/2012 CONTROL % 21 DAT 0	SEBEX 6/18/2012 CONTROL % 32 DAT 0
									1	2	3	4	5
1	Nontreated								0e	0e	0f	0e	0f
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73abc	25de	92ab	85ab	86abc
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	35cde	96a	87ab	88abc
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	59a-d	93ab	93a	90abc
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	55cd	0e	50d	20d	30e
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65bcd	24de	93ab	95a	97ab
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	87ab	74a-d	80bc	80ab	75bcd
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	68a-d	75c	54c	54d
	Facet	75%		0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	37d	0e	25e	25d	25e
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80abc	0e	98a	97a	97a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	87ab	0e	75c	73bc	68cd
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	93ab	97a	97a
	League	75%		0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	74a-d	98a	96a	97ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100%		1%	v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	83abc	97a	96a	97ab
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88ab	88ab	85abc	85ab	86abc
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								AESIN	AESIN	SEBEX	SEBEX	SEBEX
	Rating Date								5/30/2012	6/6/2012	5/30/2012	6/6/2012	6/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								14 DAT	21 DAT	14 DAT	21 DAT	32 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	40b-e	98a	93a	97ab
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
	LSD (P=.05)								28.1	50.3	14.8	19.6	22.0
	Standard Deviation								19.7	35.2	10.4	13.7	15.4
	CV								25.35	84.71	13.28	18.77	20.89
	Replicate F								0.691	0.313	0.343	2.541	0.944
	Replicate Prob(F)								0.5623	0.8162	0.7943	0.0682	0.4273
	Treatment F								7.634	4.167	31.129	20.761	15.800
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								SEBEX	CYPES	CYPES	CYPES	CYPES
Rating Date								7/4/2012	5/30/2012	6/6/2012	6/18/2012	7/4/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	14 DAT	21 DAT	32 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0c	0f	0f	0e	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90a	69ab	60bcd	64abc	49bcd
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	81ab	94ab	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90a	90a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43b	52bcd	35cde	25cde	69a-d
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	83a	70abc	55a-d	50bcd
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	61abc	72ab	64abc	63a-d
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60b	23ef	15ef	0e	28de
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	46b	15ef	10ef	0e	0e
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	62abc	61bcd	49bcd	45bcd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81a	67ab	79ab	35b-e	59a-d
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	75ab	89ab	74ab	84ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	25def	0f	0e	0e
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	35cde	35def	15de	35cde
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a	75ab	70ab	64abc	73abc
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST					
	COC	100	%	1	% v/v	1	% v/v	EPOST					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								SEBEX	CYPES	CYPES	CYPES	CYPES
Rating Date								7/4/2012	5/30/2012	6/6/2012	6/18/2012	7/4/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								49 DAT	14 DAT	21 DAT	32 DAT	49 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	85a	98a	98a	98a
	Strada Pro					2.08	oz/a	EPOST					
	COC	100%		1%	v/v	1%	v/v	EPOST					
LSD (P=.05)									18.2	29.4	34.7	47.3	43.1
Standard Deviation									12.8	20.6	24.3	33.1	30.2
CV									16.4	36.71	43.96	71.78	57.09
Replicate F									0.435	2.936	0.808	2.485	0.724
Replicate Prob(F)									0.7290	0.0434	0.4961	0.0728	0.5429
Treatment F									18.251	7.432	8.217	4.864	5.063
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CNPPA 5/30/2012 CONTROL % 14 DAT 0	CYPIR 6/18/2012 CONTROL % 32 DAT 0	CYPIR 7/4/2012 CONTROL % 49 DAT 0	RICE 5/30/2012 INJURY % 14 DAT 0	RICE 6/6/2012 INJURY % 21 DAT 0	RICE 6/18/2012 INJURY % 21 DAT 0
									11	12	13	14	15	16
1	Nontreated								0b	0e	0e	0b	0b	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77a	98a	98a	0b	0b	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89a	98a	98a	0b	0b	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	98a	98a	0b	0b	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70a	64abc	91a	0b	0b	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	98a	98a	0b	0b	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	91a	0b	0b	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	72a	25de	35de	0b	0b	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79a	0e	35de	0b	0b	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69a	40cd	50bcd	0b	0b	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST						
	COC	100	%	1	% v/v	1	% v/v	EPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	84ab	71abc	0b	0b	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	91a	98a	98a	0b	0b	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	49bcd	48cd	48a	14a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST						
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	74abc	82abc	0b	0b	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	86a	98a	98a	0b	0b	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST						
	COC	100	%	1	% v/v	1	% v/v	EPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CNPPA	CYPIR	CYPIR	RICE	RICE	RICE
Rating Date								5/30/2012	6/18/2012	7/4/2012	5/30/2012	6/6/2012	6/18/2012
Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								14 DAT	32 DAT	49 DAT	14 DAT	21 DAT	21 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	84ab	0b	0b	0a
	Strada Pro					2.08	oz/a	EPOST						
	COC	100%		1%	v/v	1%	v/v	EPOST						
LSD (P=.05)									33.0	37.7	35.6	3.4	4.0	0.0
Standard Deviation									23.1	26.4	24.9	2.4	2.8	0.0
CV									28.32	37.79	34.01	80.63	322.52	0.0
Replicate F									0.920	1.826	0.750	1.000	1.000	0.000
Replicate Prob(F)									0.4389	0.1560	0.5282	0.4016	0.4016	1.0000
Treatment F									4.402	7.547	6.053	98.455	6.153	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code Rating Date Rating Type Rating Unit Trt-Eval Interval Number of Decimals								RICE 7/4/2012 INJURY % 49 DAT 0	RICE 8/15/2012 HEIGHT cm	RICE 8/15/2012 HEIGHT cm	RICE 8/15/2012 AVG HEIGHT cm
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
1	Nontreated								0a	73.0a	76.0a	74.50a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	85.8a	88.0a	86.88a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	EPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	75.5a	73.5a	74.50a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	77.5a	78.5a	78.00a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	81.0a	80.8a	80.88a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	84.3a	82.5a	83.38a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	86.3a	85.3a	85.75a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	79.3a	79.8a	79.50a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	77.8a	79.5a	78.63a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	75.8a	79.3a	77.50a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	EPOST				
	COC	100	%	1	% v/v	1	% v/v	EPOST				
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	85.0a	84.0a	84.50a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	EPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST				
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	76.8a	79.0a	77.88a
	League	75	%	0.14	lb ai/a	3	oz wt/a	EPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	EPOST				
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	86.0a	86.3a	86.13a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	EPOST				
	MSO	100	%	1	% v/v	19.2	fl oz/a	EPOST				
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	85.3a	82.8a	84.00a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	EPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	EPOST				
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	91.3a	90.3a	90.75a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	EPOST				
	COC	100	%	1	% v/v	1	% v/v	EPOST				

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID:SJ12-11 Location:RRS-Crowley, LA Trial Year:
Protocol ID:SJ12-11 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								7/4/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type								INJURY	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								%	cm	cm	cm
Trt-Eval Interval								49 DAT			
Number of Decimals								0			
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	73.8a	79.0a	76.38a
	Strada Pro					2.08	oz/a	EPOST				
	COC	100%		1%	v/v	1%	v/v	EPOST				
LSD (P=.05)									0.0	11.84	12.13	11.398
Standard Deviation									0.0	8.28	8.49	7.976
CV									0.0	10.24	10.42	9.82
Replicate F									0.000	0.116	0.301	0.178
Replicate Prob(F)									1.0000	0.9503	0.8242	0.9106
Treatment F									0.000	1.721	1.083	1.465
Treatment Prob(F)									1.0000	0.0808	0.3980	0.1599

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch- MPOST

Experiment number..... : **SJ12-12**
Location ..... : RRS-St. Joseph, 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 ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... :	PRE	MPOST
Date applied [mm/dd/yy] ..... :	04/27/12	05/23/12
Time [hh:mm-hh:mm]..... :	2:45-3:00P	10:55-11:20A
Incorporation equip./Depth ..... :	N/A	N/A
Air/Soil temperature [F] ..... :	82/80	82/82
Relative humidity [%] ..... :	83	46
Wind [mph, direction] ..... :	7-10/S	7,S
Weather [sunny, etc] ..... :	sunny	sunny
Soil/Leaf surface moist ..... :	dry/dry	dry/dry
Crop stage/Height ..... :	N/A	N/A
Sprayer type/MPH..... :	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*..... :	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing ..... :	18/5/15	18/5/15
GPA/PSI..... :	15/22	15/30
Applied by ..... :	EPW	EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
SEBEX(10-20m^{-2}) ..... : 1-8"/cot-15lf
ECLAL(4-8m^{-2})..... : 0.5-2"/cot-6lf
CYPES(2-6m^{-2})……..:..... : 3-8"/3-21lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles
Comments: Command Overspray 12.8oz/A

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	AESIN 6/6/2012 CONTROL % 14 DAT 0	SEBEX 6/6/2012 CONTROL % 14 DAT 0	SEBEX 6/19/2012 CONTROL % 27 DAT 0	SEBEX 7/4/2012 CONTROL % 42 DAT 0	SEBEX 7/18/2012 CONTROL % 56 DAT 0
	Pest Code												
	Rating Date												
	Rating Type												
	Rating Unit												
	Trt-Eval Interval												
	Number of Decimals												
1	Nontreated								0c	0d	0f	0f	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	95a	88c	83bc	86ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	97a	97ab	97a	97ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	97ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a	91a	91bc	71d	83b
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	94a	98a	94a	90ab
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	93a	88c	81c	85ab
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	97ab	90ab	88ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	75b	50d	40e	45c
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40b	97a	98a	95a	93ab
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	96ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	93a	98a	96a	95ab
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97ab	96a	96ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	97a	95ab
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74a	45c	25e	0f	20d
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								AESIN	SEBEX	SEBEX	SEBEX	SEBEX
	Rating Date								6/6/2012	6/6/2012	6/19/2012	7/4/2012	7/18/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								14 DAT	14 DAT	27 DAT	42 DAT	56 DAT
	Number of Decimals								0	0	0	0	0
16	Command		3LBA/GAL		0.3lb ai/a		12.8fl oz/a	PRE	98a	97a	98a	98a	98a
	Strada Pro						2.08oz/a	MPOST					
	COC	100%			1% v/v		1% v/v	MPOST					
	LSD (P=.05)								25.0	9.2	6.0	8.1	15.1
	Standard Deviation								17.5	6.4	4.2	5.7	10.6
	CV								20.23	7.56	5.12	7.36	13.39
	Replicate F								0.751	0.699	0.782	0.130	1.514
	Replicate Prob(F)								0.5274	0.5576	0.5104	0.9417	0.2238
	Treatment F								10.034	67.221	204.228	139.915	32.104
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date								6/6/2012	6/19/2012	7/4/2012	7/18/2012	6/19/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								14 DAT	27 DAT	42 DAT	56 DAT	27 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated								0f	0d	0b	0g	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30ef	45bc	96a	82abc	54bc
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75abc	98a	98a	98a	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	65a-e	97a	82a	40c-g	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80ab	98a	90a	65a-e	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30ef	30cd	25b	40c-g	69ab
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40cde	10d	10b	54b-f	0d
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35def	25cd	28b	33efg	30cd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92ab	98a	97a	91ab	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70a-d	74ab	77a	77a-d	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	60b-e	28cd	37b	20fg	74ab
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30ef	10d	30b	25efg	30cd
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30ef	0d	25b	35d-g	0d
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST					
	COC	100	%	1	% v/v	1	% v/v	MPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date								6/6/2012	6/19/2012	7/4/2012	7/18/2012	6/19/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								14 DAT	27 DAT	42 DAT	56 DAT	27 DAT
Number of Decimals								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	MPOST					
	COC	100%		1%	v/v	1%	v/v	MPOST					
LSD (P=.05)									36.8	30.2	37.2	43.4	31.7
Standard Deviation									25.8	21.1	26.0	30.4	22.2
CV									44.71	37.29	42.12	51.2	34.11
Replicate F									3.776	2.423	2.478	1.224	0.129
Replicate Prob(F)									0.0168	0.0781	0.0733	0.3118	0.9425
Treatment F									5.602	15.389	8.380	4.683	13.054
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 7/4/2012 CONTROL % 42 DAT 0	CYPIR 7/18/2012 CONTROL % 56 DAT 0	RICE 6/6/2012 INJURY % 14 DAT 0	RICE 6/19/2012 INJURY % 27 DAT 0	RICE 7/4/2012 INJURY % 42 DAT 0	RICE 7/18/2012 INJURY % 56 DAT 0
1	Nontreated													
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	0d	0a	0a	0a	0a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	62b	64ab	0a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15cd	49bc	0a	0a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0d	5d	0a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	43bc	15cd	0a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST						
	COC	100	%	1	% v/v	1	% v/v	MPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	45bc	59b	0a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST						
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5d	0d	0a	0a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25cd	35bcd	0a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST						
	COC	100	%	1	% v/v	1	% v/v	MPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPIR	CYPIR	RICE	RICE	RICE	RICE
Rating Date								7/4/2012	7/18/2012	6/6/2012	6/19/2012	7/4/2012	7/18/2012
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								42 DAT	56 DAT	14 DAT	27 DAT	42 DAT	56 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Strada Pro					2.08	oz/a	MPOST						
	COC	100%		1% v/v		1% v/v		MPOST						
LSD (P=.05)									31.1	36.5	0.0	0.0	0.0	0.0
Standard Deviation									21.8	25.5	0.0	0.0	0.0	0.0
CV									35.68	40.39	0.0	0.0	0.0	0.0
Replicate F									1.667	1.578	0.000	0.000	0.000	0.000
Replicate Prob(F)									0.1875	0.2079	1.0000	1.0000	1.0000	1.0000
Treatment F									14.375	10.014	0.000	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 6/6/2012 INJURY % 14 DAT 0 17	RICE 8/15/2012 HEIGHT cm HARVEST 0 18	RICE 8/15/2012 HEIGHT cm HARVEST 0 19	RICE 8/15/2012 AVG HEIGHT cm HARVEST 0 20
1	Nontreated								0a	72a	70a	71a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE				
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	77a	79a	78a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	MPOST				
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	78a	68a	73a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	73a	75a	74a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	77a	74a	75a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	79a	78a	78a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	80a	81a	81a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	81a	78a	80a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	72a	69a	70a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	74a	76a	75a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	MPOST				
	COC	100	%	1	% v/v	1	% v/v	MPOST				
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	85a	80a	82a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	MPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST				
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	74a	65a	69a
	League	75	%	0.14	lb ai/a	3	oz wt/a	MPOST				
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	MPOST				
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	74a	77a	75a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	MPOST				
	MSO	100	%	1	% v/v	19.2	fl oz/a	MPOST				
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	77a	72a	75a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	MPOST				
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	MPOST				
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	82a	76a	79a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	MPOST				
	COC	100	%	1	% v/v	1	% v/v	MPOST				

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID:SJ12-12 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-12 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE
Rating Date								6/6/2012	8/15/2012	8/15/2012	8/15/2012
Rating Type								INJURY	HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								%	cm	cm	cm
Trt-Eval Interval								14 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0a	76a	75a	75a
	Strada Pro					2.08	oz/a	MPOST				
	COC	100%			1% v/v		1% v/v	MPOST				
LSD (P=.05)									0.0	13.8	15.2	13.6
Standard Deviation									0.0	9.7	10.6	9.5
CV									0.0	12.58	14.26	12.58
Replicate F									0.000	3.675	1.477	2.571
Replicate Prob(F)									1.0000	0.0188	0.2335	0.0659
Treatment F									0.000	0.608	0.743	0.621
Treatment Prob(F)									1.0000	0.8524	0.7287	0.8420

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch—LPOST

Experiment number..... : **SJ12-13**
Location ..... : RRS-St. Joseph, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... :	PRE	LPOST
Date applied [mm/dd/yy] ..... :	04/27/12	05/29/12
Time [hh:mm-hh:mm]..... :	3:00-3:15P	8:53-9:30A
Incorporation equip./Depth ..... :	N/A	N/A
Air/Soil temperature [F] ..... :	82/80	79/81
Relative humidity [%] ..... :	82	72
Wind [mph, direction] ..... :	7-10,S	2-5,W
Weather [sunny, etc] ..... :	sunny	sunny
Soil/Leaf surface moist ..... :	dry/dry	dry/dry
Crop stage/Height ..... :	N/A	4-5lf/4-6"
Sprayer type/MPH..... :	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*..... :	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing ..... :	18/5/15	18/5/15
GPA/PSI..... :	15/22	15/24
Applied by ..... :	EPW	EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
SEBEX(5-20m^{-2}) ..... : 2-14"/2-14lf
CYPES(2-5m^{-2}) ..... : 2-10"/3-20lf
AESIN(4-6m^{-2})……..: ..... : 2-4"/cot-4lf

Flush Dates..... : 4/24, 5/3, 5/17
Permanent Flood ..... : 5/28

*AMFF – Air mix flat fan nozzles
Comments: Command Overspray 12.8oz/A

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/14/2012 CONTROL % 16 DAT 0	SEBEX 6/26/2012 CONTROL % 28 DAT 0	SEBEX 7/4/2012 CONTROL % 36 DAT 0	SEBEX 7/18/2012 CONTROL % 50 DAT 0	CYPES 6/14/2012 CONTROL % 16 DAT 0
									1	2	3	4	5
1	Nontreated								0f	0f	0e	0e	0f
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94a-d	93ab	93ab	93ab	53b-e
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97abc	97a	96ab	90ab	97a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a-d	97a	85abc	85abc	80abc
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	80d	83a-d	74bcd	65cd	35def
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	98a	97a	95ab	79abc
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	58e	63de	63d	64cd	60a-d
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81bcd	69cde	66cd	63d	20def
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63e	58e	69cd	65cd	89abc
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	84a-d	85abc	69cd	75bcd	35def
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	98a	97a	98a	91ab
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92a-d	96a	95ab	85abc	59a-d
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	48cde
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81cd	73b-e	64cd	64cd	15ef
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15f	16f	15e	20e	25def
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	CYPES
	Rating Date								6/14/2012	6/26/2012	7/4/2012	7/18/2012	6/14/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	28 DAT	36 DAT	50 DAT	16 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97abc	98a	95ab	94ab	94ab
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								16.0	22.2	22.3	21.3	42.3
	Standard Deviation								11.2	15.5	15.6	14.9	29.6
	CV								14.63	20.39	21.23	20.66	54.04
	Replicate F								0.318	0.400	0.713	0.549	0.817
	Replicate Prob(F)								0.8124	0.7534	0.5494	0.6514	0.4916
	Treatment F								28.171	14.929	14.036	14.040	4.410
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date									6/26/2012	7/4/2012	7/18/2012	6/14/2012	6/26/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	36 DAT	50 DAT	16 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0d	0f	0e	0e	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70abc	45b-e	35cde	87ab	70ab
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	88abc	82ab	50bcd	79abc	98a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	59abc	67abc	98a	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96ab	57a-d	45cd	98a	98a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15d	5ef	0e	49bcd	15de
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74abc	59abc	91ab	89ab	59bc
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	59bc	30c-f	25cde	33de	5de
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	91ab	98a	98a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	89a	98a	98a	98a
	League	75	%	0.14	lb ai/a	3	oz wt/a	LPOST					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	LPOST					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69abc	30c-f	20de	91ab	98a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST					
	MSO	100	%	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	56c	15def	10de	40cde	32cd
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	LPOST					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	10d	0f	0e	49bcd	15de
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST					
	COC	100	%	1	% v/v	1	% v/v	LPOST					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								CYPES	CYPES	CYPES	CYPIR	CYPIR
	Rating Date								6/26/2012	7/4/2012	7/18/2012	6/14/2012	6/26/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								28 DAT	36 DAT	50 DAT	16 DAT	28 DAT
	Number of Decimals								0	0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98a	98a
	Strada Pro					2.08	oz/a	LPOST					
	COC	100%		1%	v/v	1%	v/v	LPOST					
	LSD (P=.05)								38.1	42.7	42.7	42.1	31.8
	Standard Deviation								26.7	29.9	29.9	29.5	22.3
	CV								38.0	55.55	58.06	39.24	33.08
	Replicate F								0.177	0.309	0.052	0.328	0.234
	Replicate Prob(F)								0.9117	0.8191	0.9840	0.8051	0.8725
	Treatment F								6.577	6.202	7.088	4.380	12.729
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPIR	CYPIR	RICE	RICE	RICE	RICE
Rating Date								7/4/2012	7/18/2012	6/14/2012	6/26/2012	7/4/2012	7/18/2012
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								36 DAT	50 DAT	16 DAT	28 DAT	36 DAT	50 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
1	Nontreated								0e	0f	0a	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48bcd	59a-d	0a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	LPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Halomax	75%	AW/W	0.047	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Permit Plus	75%	AW/W	0.035	lb ai/a	0.75	oz wt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	0a	0a	0a	0a
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	74abc	0a	0a	0a	0a
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5e	49b-e	0a	0a	0a	0a
	Facet	75%		0.4	lb ai/a	0.533	lb/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	59abc	67a-d	0a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35b-e	35c-f	0a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	LPOST						
	COC	100%		1%	v/v	1%	v/v	LPOST						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	91ab	0a	0a	0a	0a
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	LPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	League	75%		0.14	lb ai/a	3	oz wt/a	LPOST						
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	LPOST						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64abc	74abc	0a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	LPOST						
	MSO	100%		1%	v/v	19.2	fl oz/a	LPOST						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15de	10ef	0a	0a	0a	0a
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	LPOST						
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	LPOST						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25cde	25def	0a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	LPOST						
	COC	100%		1%	v/v	1%	v/v	LPOST						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID:SJ12-13 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-13 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPIR	CYPIR	RICE	RICE	RICE	RICE
Rating Date								7/4/2012	7/18/2012	6/14/2012	6/26/2012	7/4/2012	7/18/2012
Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit								%	%	%	%	%	%
Trt-Eval Interval								36 DAT	50 DAT	16 DAT	28 DAT	36 DAT	50 DAT
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	0a	0a	0a	0a
	Strada Pro					2.08	oz/a	LPOST						
	COC	100%		1%	v/v	1%	v/v	LPOST						
LSD (P=.05)									41.3	48.0	0.0	0.0	0.0	0.0
Standard Deviation									28.9	33.6	0.0	0.0	0.0	0.0
CV									45.93	50.29	0.0	0.0	0.0	0.0
Replicate F									0.426	0.561	0.000	0.000	0.000	0.000
Replicate Prob(F)									0.7350	0.6437	1.0000	1.0000	1.0000	1.0000
Treatment F									6.617	4.110	0.000	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	1.0000	1.0000	1.0000	1.0000

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch—SALVAGE

Experiment number	:	**SJ12-14**
Location	:	RRS-St. Joseph, LA
Experimental design	:	RCB
Number of reps	:	4
Plot size	:	5'x17'
Row width/# per plot	:	7.5"/8
Soil type	:	Sharkey Clay
% OM	:	2.1
pH	:	6.1
Planting date	:	4/23/12
Harvest date	:	N/A
Crop/Variety	:	CL161
Emergence date	:	5/4/12
Uniform std. treatment	:	N/A

Application type	:	PRE	SALVAGE
Date applied [mm/dd/yy]	:	04/27/12	06/14/12
Time [hh:mm-hh:mm]	:	3:15-3:30P	11:00-11:28A
Incorporation equip./Depth	:	N/A	N/A
Air/Soil temperature [F]	:	82/80	81/82
Relative humidity [%]	:	83	66
Wind [mph, direction]	:	7-10,S	4,W
Weather [sunny, etc]	:	sunny	mt. cloudy
Soil/Leaf surface moist	:	dry/dry	wet/dry
Crop stage/Height	:	N/A	1-3till/8-12"
Sprayer type/MPH	:	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	:	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	:	18/5/15	18/5/15
GPA/PSI	:	15/22	
Applied by	:	EPW	EPW

Flush Dates	:	4/24, 5/6/, 5/17
Permanent Flood	:	5/30

*AMFF – Air mix flat fan nozzles
Comments: Command Overspray 12.8oz/A

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/26/2012 CONTROL % 12 DAT 0	SEBEX 7/4/2012 CONTROL % 20 DAT 0	SEBEX 7/18/2012 CONTROL % 34 DAT 0	SEBEX 7/30/2012 CONTROL % 46 DAT	CYPES 6/26/2012 CONTROL % 12 DAT 0
									1	2	3	4	5
1	Nontreated								0e	0e	0e	0.0f	0g
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	81d	53d	65d	66.3e	43ef
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98.0a	94ab
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98a	98.0a	91abc
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97ab	91ab	93abc	90.0abc	67b-e
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	90ab	96a	90.3abc	98a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	95a	92abc	94.0ab	63c-f
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	89c	83bc	87bc	80.0cd	35f
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90bc	83bc	86c	82.5bcd	45ef
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94abc	75c	73d	72.5de	65cde
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	97.3a	69b-e
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93abc	89ab	95ab	97.3a	84a-d
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	97.8a	68b-e
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	92ab	92abc	88.8abc	60def
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	97a	96a	97.3a	75a-d
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100	%	1	% v/v	1	% v/v	SALVAGE					

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	CYPES
	Rating Date								6/26/2012	7/4/2012	7/18/2012	7/30/2012	6/26/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								12 DAT	20 DAT	34 DAT	46 DAT	12 DAT
	Number of Decimals								0	0	0		0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	98.0a	77a-d
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
	LSD (P=.05)								6.5	12.1	8.2	12.11	28.9
	Standard Deviation								4.6	8.5	5.7	8.47	20.2
	CV								5.16	10.15	6.76	10.06	31.46
	Replicate F								1.637	2.281	2.458	2.293	7.577
	Replicate Prob(F)								0.1940	0.0921	0.0750	0.0908	0.0003
	Treatment F								110.910	35.531	73.055	33.505	6.053
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								CYPES	CYPES	CYPES	CYPIR	CYPIR
	Rating Date								7/4/2012	7/18/2012	7/30/2012	6/26/2012	7/4/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								20 DAT	34 DAT	46 DAT	12 DAT	20 DAT
	Number of Decimals								0	0		0	0
1	Nontreated								0g	0e	0.0f	0e	0e
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	15fg	48bcd	42.5c-f	55cd	45cd
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	90ab	98a	88.5ab	98a	98a
	Halomax	75%AW/W		0.047	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	92a	98a	98.0a	91ab	98a
	Permit Plus	75%AW/W		0.035	lb ai/a	0.75	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69a-e	49bcd	79.0abc	98a	84abc
	Londax	60%		0.0375	lb ai/a	1	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82abc	74ab	88.5ab	98a	80abc
	Strada	50%		0.0625	lb ai/a	2.0	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35d-g	10de	34.5c-f	98a	89a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35d-g	15cde	24.5ef	50d	35de
	Facet	75%		0.4	lb ai/a	0.533	lb/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40c-g	40b-e	52.0b-e	59cd	74abc
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	40c-g	25cde	39.5c-f	65bcd	48bcd
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	78a-d	52a-d	74.0a-d	81abc	87ab
	Regiment	80%		0.025	lb ai/a	0.5	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64a-e	62abc	98.0a	98a	98a
	League	75%		0.14	lb ai/a	3	oz wt/a	SALVAGE					
	Dyne-A-Pak	100%		1%	v/v	1%	v/v	SALVAGE					
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	30efg	25cde	37.0c-f	80abc	59a-d
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE					
	MSO	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	25efg	0e	35.0c-f	74a-d	49bcd
	Broadhead	70%		0.394	lb ai/a	9	oz wt/a	SALVAGE					
	Agri-Dex	100%		1%	v/v	19.2	fl oz/a	SALVAGE					
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	48b-f	30b-e	30.0def	98a	96a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date								7/4/2012	7/18/2012	7/30/2012	6/26/2012	7/4/2012
Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit								%	%	%	%	%
Trt-Eval Interval								20 DAT	34 DAT	46 DAT	12 DAT	20 DAT
Number of Decimals								0	0		0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	98.0a	98a	98a
	Strada Pro					2.08	oz/a	SALVAGE					
	COC	100%		1%	v/v	1%	v/v	SALVAGE					
LSD (P=.05)									43.8	47.3	45.11	29.7	39.2
Standard Deviation									30.6	33.1	31.56	20.8	27.4
CV									58.56	73.47	54.95	26.83	38.69
Replicate F									2.581	4.230	0.396	2.330	3.672
Replicate Prob(F)									0.0651	0.0102	0.7567	0.0870	0.0189
Treatment F									3.785	4.110	3.952	6.786	4.459
Treatment Prob(F)									0.0003	0.0001	0.0002	0.0001	0.0001

LSU AgCenter SPESS

Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	CYPIR 7/18/2012 CONTROL % 34 DAT 0	CYPIR 7/30/2012 CONTROL % 46 DAT	RICE 6/26/2012 INJURY % 12 DAT 0	RICE 7/4/2012 INJURY % 20 DAT 0	RICE 7/18/2012 INJURY % 34 DAT 0	RICE 7/30/2012 INJURY % 46 DAT 0
									11	12	13	14	15	16
1	Nontreated								0c	0.0b	0a	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	88.5a	0a	0a	0a	0a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98.0a	0a	0a	0a	0a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98.0a	0a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	98.0a	0a	0a	0a	0a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	98.0a	0a	0a	0a	0a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	35bc	98.0a	0a	0a	0a	0a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	73.5a	0a	0a	0a	0a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	86.0a	0a	0a	0a	0a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	88.5a	0a	0a	0a	0a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE						
	COC	100	%	1	% v/v	1	% v/v	SALVAGE						
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	98.0a	0a	0a	0a	0a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE						
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98.0a	0a	0a	0a	0a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE						
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE						
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74ab	86.0a	0a	0a	0a	0a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE						
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	59ab	86.0a	0a	0a	0a	0a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE						
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE						
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	49abc	88.5a	0a	0a	0a	0a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE						
	COC	100	%	1	% v/v	1	% v/v	SALVAGE						

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
	Pest Code								CYPIR	CYPIR	RICE	RICE	RICE	RICE
	Rating Date								7/18/2012	7/30/2012	6/26/2012	7/4/2012	7/18/2012	7/30/2012
	Rating Type								CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								34 DAT	46 DAT	12 DAT	20 DAT	34 DAT	46 DAT
	Number of Decimals								0		0	0	0	0
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98.0a	0a	0a	0a	0a
	Strada Pro					2.08	oz/a	SALVAGE						
	COC	100%		1%	v/v	1%	v/v	SALVAGE						
	LSD (P=.05)								49.0	24.93	0.0	0.0	0.0	0.0
	Standard Deviation								34.3	17.45	0.0	0.0	0.0	0.0
	CV								46.83	20.22	0.0	0.0	0.0	0.0
	Replicate F								3.754	2.120	0.000	0.000	0.000	0.000
	Replicate Prob(F)								0.0173	0.1109	1.0000	1.0000	1.0000	1.0000
	Treatment F								2.571	7.639	0.000	0.000	0.000	0.000
	Treatment Prob(F)								0.0074	0.0001	1.0000	1.0000	1.0000	1.0000

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 HEIGHT cm 17	RICE 8/15/2012 HEIGHT cm 18	RICE 8/15/2012 AVG HEIGHT cm 19
1	Nontreated								66.5a	62.8a	64.63a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE			
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	85.0a	83.8a	84.38a
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	SALVAGE			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66.3a	70.8a	68.50a
	Halomax	75	%AW/W	0.047	lb ai/a	1	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	72.8a	71.5a	72.13a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.75	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76.3a	74.5a	75.38a
	Londax	60	%	0.0375	lb ai/a	1	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	79.5a	78.3a	78.88a
	Strada	50	%	0.0625	lb ai/a	2.0	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	67.3a	67.0a	67.13a
	Grasp	2	LBA/GAL	0.0313	lb ai/a	2	fl oz/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	77.3a	79.3a	78.25a
	Facet	75	%	0.4	lb ai/a	0.533	lb/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
9	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	69.8a	71.5a	70.63a
	Grandstand	3	LBA/GAL	0.25	lb ai/a	0.67	pt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
10	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76.0a	74.0a	75.00a
	Aim	2	LBA/GAL	0.0156	lb ai/a	1	fl oz/a	SALVAGE			
	COC	100	%	1	% v/v	1	% v/v	SALVAGE			
11	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66.3a	67.8a	67.00a
	Regiment	80	%	0.025	lb ai/a	0.5	oz wt/a	SALVAGE			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE			
12	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76.5a	63.8a	70.13a
	League	75	%	0.14	lb ai/a	3	oz wt/a	SALVAGE			
	Dyne-A-Pak	100	%	1	% v/v	1	% v/v	SALVAGE			
13	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	64.3a	66.5a	65.38a
	Sharpen	2.85	LBA/GAL	0.0445	lb ai/a	2	fl oz/a	SALVAGE			
	MSO	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
14	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66.8a	65.8a	66.25a
	Broadhead	70	%	0.394	lb ai/a	9	oz wt/a	SALVAGE			
	Agri-Dex	100	%	1	% v/v	19.2	fl oz/a	SALVAGE			
15	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73.5a	72.3a	72.88a
	Grasp Xtra	1.75	LBA/GAL			22	oz/a	SALVAGE			
	COC	100	%	1	% v/v	1	% v/v	SALVAGE			

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--SALVAGE

Trial ID:SJ12-14 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-14 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE
Rating Date								8/15/2012	8/15/2012	8/15/2012
Rating Type								HEIGHT	HEIGHT	AVG HEIGHT
Rating Unit								cm	cm	cm
Trt-Eval Interval										
Number of Decimals										
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19
16	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	66.8a	65.8a	66.25a
	Strada Pro					2.08	oz/a	SALVAGE			
	COC	100%		1% v/v		1% v/v		SALVAGE			
LSD (P=.05)									15.48	15.05	14.047
Standard Deviation									10.83	10.53	9.830
CV									15.06	14.85	13.76
Replicate F									4.396	3.285	4.385
Replicate Prob(F)									0.0085	0.0292	0.0086
Treatment F									1.248	1.272	1.342
Treatment Prob(F)									0.2743	0.2588	0.2185

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School of Plant, Environmental and Soil Sciences

Evaluation of F9870 MPOST

Experiment number..... : **SJ12-17**
Location ..... : St. Joseph, LA RS
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Sharkey Clay
  % OM ..... : 2.1
  pH ..... : 6.1
Planting date ..... : 4/23/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/4/12
Uniform std. treatment ..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 05/23/12
Time [hh:mm-hh:mm]..... : 10:15-10:25A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F]..... : 82/
Relative humidity [%] ..... : 46
Wind [mph, direction] ..... : 7,S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 3-4lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 30
Applied by ..... : EPW

Weed Species (population)..... :(height/#leaves)
CYPES(5-15m^{-2}) ..... : 1-4"/3-6lf
SEBEX(5-8m^{-2}) ..... : 1-6"/2-10lf

Flush Dates..... : 4/29/12, 5/6/12, 5/30/12
Permanent Flood ..... : 6/3/12

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:SJ12-17 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									SEBEX	SEBEX	SEBEX	SEBEX	CYPES
Rating Date									5/29/2012	6/11/2012	6/14/2012	6/26/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									6 DAT	19 DAT	22 DAT	34 DAT	6 DAT
Number of Decimals									0	0	0	0	0
1	Nontreated								0b	0c	0c	0c	0d
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	98a	98a	98a	79ab
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	98a	97ab	84a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	97a	98a	98a	74b
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	98a	97ab	83ab
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	73b	68b	94b	59c
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	95a	98a	97ab	78ab
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST					
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST					
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST					
LSD (P=.05)									5.4	5.6	9.3	3.6	9.8
Standard Deviation									3.6	3.8	6.3	2.4	6.6
CV									4.49	4.71	7.87	2.93	10.19
Replicate F									0.163	1.842	1.000	1.690	1.792
Replicate Prob(F)									0.9197	0.1756	0.4155	0.2047	0.1848
Treatment F									386.989	375.561	138.733	906.859	81.244
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:SJ12-17 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10	11
Pest Code									CYPES	CYPES	CYPES	RICE	RICE	RICE
Rating Date									6/11/2012	6/14/2012	6/26/2012	5/29/2012	6/11/2012	6/26/2012
Rating Type									CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									19 DAT	22 DAT	34 DAT	6 DAT	19 DAT	34 DAT
Number of Decimals									0	0	0	0	0	0
1	Nontreated								0c	0c	0c	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	96a	0a	0a	0a
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	0a	0a	0a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	97a	98a	97a	0a	0a	0a
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	95a	0a	0a	0a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	70b	56b	93b	0a	0a	0a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	98a	97a	0a	0a	0a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST						
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST						
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST						
LSD (P=.05)									4.7	14.6	2.5	0.0	0.0	0.0
Standard Deviation									3.1	9.8	1.7	0.0	0.0	0.0
CV									3.93	12.56	2.04	0.0	0.0	0.0
Replicate F									1.000	1.000	0.732	0.000	0.000	0.000
Replicate Prob(F)									0.4155	0.4155	0.5464	1.0000	1.0000	1.0000
Treatment F									548.047	59.343	1869.528	0.000	0.000	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Evaluation of F9870 MPOST

Trial ID:SJ12-17 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-17 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 HEIGHT cm 84 DAT 0 12	RICE 8/15/2012 HEIGHT cm 84 DAT 0 13	RICE 8/15/2012 AVG HT cm 84 DAT 0 14
1	Nontreated										
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	73a	71a	72a
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	71a	71a	71a
	F9870	62.5	%W/W	0.04	lb ai/a	0.64	oz ai/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
3	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	82a	71a	76a
	F9870	62.5	%W/W	0.06	lb ai/a	0.96	oz ai/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
4	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	76a	71a	73a
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
5	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	75a	71a	73a
	Permit Plus	75	%AW/W	0.035	lb ai/a	0.56	oz ai/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
6	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	72a	74a	73a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	74a	78a	76a
	Aim	2	LBA/GAL	0.01	lb ai/a	0.64	fl oz/a	MPOST			
	Permit	75	%AW/W	0.047	lb ai/a	0.75	oz ai/a	MPOST			
	Agri-Dex	100	%	1	% v/v	1	% v/v	MPOST			
LSD (P=.05)									18.9	15.9	15.7
Standard Deviation									12.7	10.7	10.5
CV									17.1	14.82	14.36
Replicate F									1.186	1.858	1.774
Replicate Prob(F)									0.3431	0.1729	0.1882
Treatment F									0.377	0.274	0.163
Treatment Prob(F)									0.8843	0.9420	0.9835

LSU AgCenter
School of Plant, Environmental and Soil Sciences

Obey with Command Split Shot

Experiment number	:	**SJ12-34**	
Location	:	St. Joseph, La RS	
Experimental design	:	RCB	
Number of reps	:	4	
Plot size	:	5'x17'	
Row width/# per plot	:	7.5"/8	
Soil type	:	Sharkey Clay	
% OM	:	2.1	
pH	:	6.1	
Planting date	:	4/23/12	
Harvest date	:	8/15/12	
Crop/Variety	:	CL161	
Emergence date	:	5/4/12	
Uniform std. treatment	:	N/A	
Application type	:	PRE	1-2 LF	4-5 LF
Date applied [mm/dd/yy]	:	04/27/12	05/16/12	05/29/12
Time [hh:mm-hh:mm]	:	3:30	9:08-9:10A	9:40-10:00A
Incorporation equip./Depth	:	N/A	N/A	N/A
Air/Soil temperature [F]	:	82/80	72/75	79/81
Relative humidity [%]	:	83	66	72
Wind [mph, direction]	:	7-10,S	3,NNW	2-5,W
Weather [sunny, etc]	:	sunny	pt. cloudy	sunny
Soil/Leaf surface moist	:	dry/dry	wet/dry	dry/dry
Crop stage/Height	:	N/A		4-5lf/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	:	18/5/15	18/5/15	18/5/15
GPA/PSI	:	15/22	15/24	15/24
Applied by	:	EPW	EPW	EPW
Weed Species (population)	:	---------- (height/#leaves) ----------		
ECHCG(100-150m^{-2})	:		0.5-1"/1-2lf	3-5"/4-6lf
SEBEX(30-40m^{-2})	:		0.5-4"/cot-4lf	4-7"/5-10lf
TRTPO(10-20m^{-2})	:		0.5-4"/cot-4lf	4-8"/4/8lf
CYPES(5-15m^{-2})	:		0.5-2"/1-3lf	3-6"/3-6lf
Flush Dates	:	4/29/12, 5/6/12, 5/30/12		
Permanent Flood	:	6/3/12		

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:SJ12-34 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code								ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
	Rating Date								5/29/2012	6/11/2012	6/14/2012	5/29/2012	6/11/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								13 DAT 1-2	13 DAT	16 DAT	13 DAT 1-2	13 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	98a	93a	97a	93a	90a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96abc	79bc	97a	0c	93a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	97ab	89ab	98a	71b	68b
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	95c	85abc	97a	66b	50c
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	94c	93a	97a	64b	95a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	95bc	90ab	98a	69b	92a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96abc	86abc	98a	0c	95a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	94c	75c	98a	0c	91a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
9	Nontreated								0d	0d	0b	0c	0d
	LSD (P=.05)								2.6	12.2	1.5	9.3	7.1
	Standard Deviation								1.8	8.3	1.1	6.4	4.8
	CV								2.1	10.91	1.23	15.86	6.48
	Replicate F								1.497	2.157	2.000	0.313	0.806
	Replicate Prob(F)								0.2406	0.1194	0.1409	0.8154	0.5031
	Treatment F								1274.398	49.309	3745.247	150.004	174.503
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:SJ12-34 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
	Pest Code								SEBEX	SEBEX	TRTPO	TRTPO	TRTPO
	Rating Date								6/14/2012	6/26/2012	5/29/2012	6/11/2012	6/14/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%
	Trt-Eval Interval								16 DAT	28 DAT	13 DAT 1-2	13 DAT	16 DAT
	Number of Decimals								0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	93a	92a	97a	95ab	98a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF					
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	98a	97a	94b	97ab
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF					
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	66b	5b	97a	94b	97b
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	63b	8b	97a	94b	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	95a	98a	97a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	97a	94a	97a	98a	98a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF					
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF					
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	95a	97a	96a	97a	98a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF					
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	96a	95a	83b	97ab	98a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF					
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE					
9	Nontreated								0c	0b	0c	0c	0c
	LSD (P=.05)								12.6	9.9	12.3	3.0	1.2
	Standard Deviation								8.7	6.8	8.4	2.1	0.8
	CV								11.16	10.45	9.97	2.45	0.91
	Replicate F								1.802	0.100	1.419	0.808	0.400
	Replicate Prob(F)								0.1737	0.9594	0.2616	0.5018	0.7542
	Treatment F								54.530	181.036	57.731	941.821	6792.112
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:SJ12-34 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
	Pest Code								CYPES	CYPES	CYPES	RICE	RICE	RICE
	Rating Date								5/29/2012	6/11/2012	6/26/2012	5/29/2012	6/11/2012	6/26/2012
	Rating Type								CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								13 DAT 1-2	13 DAT	28 DAT	13 DAT 1-2	13 DAT	28 DAT
	Number of Decimals								0	0	0	0	0	0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	63ab	81cd	76ab	0a	0a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	80cd	60bc	0a	0a	0a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF						
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	61b	84bc	58c	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	68ab	71d	58c	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	69ab	96a	78a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	71a	94ab	88a	0a	0a	0a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF						
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	88abc	78a	0a	0a	0a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	0c	91abc	81a	0a	0a	0a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
9	Nontreated								0c	0e	0d	0a	0a	0a
	LSD (P=.05)								9.0	11.2	17.2	0.0	0.0	0.0
	Standard Deviation								6.2	7.7	11.8	0.0	0.0	0.0
	CV								16.78	10.11	18.48	0.0	0.0	0.0
	Replicate F								0.358	1.269	2.670	0.000	0.000	0.000
	Replicate Prob(F)								0.7837	0.3075	0.0703	1.0000	1.0000	1.0000
	Treatment F								128.818	58.940	19.944	0.000	0.000	0.000
	Treatment Prob(F)								0.0001	0.0001	0.0001	1.0000	1.0000	1.0000

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:SJ12-34 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 HEIGHT cm HARVEST 0	RICE 8/15/2012 HEIGHT cm HARVEST 0	RICE 8/15/2012 AVG HT cm HARVEST 0	RICE 8/15/2012 LENGTH ft HARVEST 1	RICE 8/15/2012 YIELD g/plot HARVEST 0	RICE 8/15/2012 MOISTURE % HARVEST 1
									17	18	19	20	21	22
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	113a	117a	115a	15.3a	1973a	23.9a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF						
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	109a	115a	112a	15.3a	2038a	23.9a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF						
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	114a	112a	113a	15.3a	1522a	23.9a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	114a	112a	113a	15.3a	831a	23.9a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	115a	113a	114a	15.3a	2107a	23.9a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	108a	113a	110a	15.3a	3224a	23.9a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF						
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF						
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	107a	110a	109a	15.3a	3055a	23.9a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF						
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	114a	112a	113a	15.3a	2757a	23.9a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF						
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE						
9	Nontreated								81b	86b	84b	15.3a	277a	23.9a
LSD (P=.05)									13.1	7.4	9.1	0.00	1876.6	0.00
Standard Deviation									8.7	5.0	6.1	0.00	1272.3	0.00
CV									8.05	4.5	5.57	0.0	64.39	0.0
Replicate F									0.294	2.195	0.464	0.000	0.715	0.000
Replicate Prob(F)									0.8293	0.1283	0.7112	1.0000	0.5547	1.0000
Treatment F									5.974	13.863	10.424	0.000	2.396	0.000
Treatment Prob(F)									0.0012	0.0001	0.0001	1.0000	0.0541	1.0000

LSU AgCenter SPESS

Obey With Command Split Shot

Trial ID:SJ12-34 Location:SJRS-St. Joesph,LA Trial Year:
Protocol ID:SJ12-34 Investigator:Eric P. Webster
Project ID: Study Director:
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/15/2012 YIELD LB HARVEST 0	RICE 8/15/2012 YIELD KG/HA HARVEST 0
1	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3569a	4001a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	1-2 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	1-2 LEAF		
2	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	3686a	4132a
	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	4-5 LEAF		
3	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	2753a	3086a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF		
4	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	1504a	1685a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
5	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	3813a	4273a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF		
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
6	Obey	2.4	LB/GAL	0.75	lb ai/a	12	oz ai/a	PRE	5833a	6538a
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
	Prowl	4	LBA/GAL	1.05	lb ai/a	2.1	pt/a	4-5 LEAF		
	Propanil	4	LBA/GAL	3	lb ai/a	3	qt/a	4-5 LEAF		
7	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	5527a	6195a
	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	4-5 LEAF		
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
8	Command	3	LBA/GAL	0.3	lb ai/a	12.8	fl oz/a	PRE	4988a	5591a
	RiceBeaux	4.5	LB/GAL	3	qt/a	3	qt/a	4-5 LEAF		
	Agri-Dex	100%		1%	v/v	1%	v/v	PRE		
9	Nontreated								501a	562a
LSD (P=.05)									3395.4	3805.7
Standard Deviation									2301.9	2580.1
CV									64.39	64.39
Replicate F									0.715	0.715
Replicate Prob(F)									0.5547	0.5547
Treatment F									2.396	2.396
Treatment Prob(F)									0.0541	0.0541

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Indian Jointvetch Density Trial

Experiment number..... : **W12-02**
Location ..... : RRS-Winnsboro, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Gigger silt loam (14% sand, 70% silt, 16% clay)
  % OM ..... : 1.3
  pH ..... : 5.8
  CEC ..... : 5.8
Planting date ..... : 5/2/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/15/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/17/12
Time [hh:mm-hh:mm]..... : 3:00-3:10P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 92
Relative humidity [%] ..... : 72
Wind [mph, direction] ..... : 5
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 1lf/3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI..... : 15/24
Applied by ..... : NDF

Weed Species (population)..... :---------- (height/#leaves) ----------
SEBEX(0-20m^{-2}) ..... : 1-2"/0-1lf
ECICR(1000-2000m^{-2}) ..... : 0-0.5"/1lf
AESIN(0-20m^{-2})……..:..... : 1"/0-1lf

Flush Dates..... : 5/3, 5/10, 5/20
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Indian Jointvetch Density Trial

Trial ID:W12-02 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-02 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code	RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012	8/24/2012
Rating Type	HEIGHT	HEIGHT	YIELD	MOISTURE	LENGTH	YIELD	
Rating Unit	cm	cm	g/plot	%	ft	LB/A	KG/HA
Trt-Eval Interval	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST	HARVEST
Number of Decimals	0	0	0	1	1	0	0
Trt No. Treatment Name	1	2	3	4	5	6	7
1Weed Free	95a	99a	1710a	23.5a	12.9a	4393a	4980a
22.5 seeds/m^2	96a	97a	1549a	24.3a	12.9a	3934a	4460a
35 seeds/m^2	101a	94a	1609a	27.0a	12.9a	3957a	4486a
410 seeds/m^2	94a	98a	1480a	25.2a	12.9a	3678a	4170a
515 seeds/m^2	99a	98a	1481a	26.7a	12.9a	3653a	4141a
620 seeds/m^2	95a	99a	1394a	26.9a	12.9a	3410a	3866a
725 seeds/m^2	98a	100a	1517a	26.9a	12.9a	3727a	4225a
LSD (P=.05)	7.5	5.9	449.0	4.58	0.00	1070.6	1213.7
Standard Deviation	5.0	4.0	302.3	3.08	0.00	720.6	817.0
CV	5.22	4.04	19.7	11.96	0.0	18.86	18.86
Replicate F	0.857	0.897	4.222	0.020	0.000	4.569	4.569
Replicate Prob(F)	0.4811	0.4618	0.0200	0.9961	1.0000	0.0151	0.0151
Treatment F	0.902	0.947	0.457	0.897	0.000	0.751	0.751
Treatment Prob(F)	0.5151	0.4866	0.8309	0.5178	1.0000	0.6168	0.6168

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Newpath and RiceBeaux Synergism

Experiment number..... : **W12-05**
Location ..... : RRS-Winnsboro, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Gigger silt loam (14% sand, 70% silt, 16% clay)
  % OM ..... : 1.3
  pH ..... : 5.8
  CEC ..... : 5.8
Planting date ..... : 5/2/12
Harvest date..... : N/A
Crop/Variety ..... : CL161
Emergence date..... : 5/15/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 1:40-1:56P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 84/78
Relative humidity [%] ..... : 43
Wind [mph, direction] ..... : 3,NE
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
ECHCG(10-15m^{-2}) ..... : 1-2"/2-4lf
SEBEX(30-40m^{-2})……..:.. : 0.5-3"/cot-5lf
CYPIR(20-500m^{-2}) ..... : 0.5-2"/3-6lf
IPOLA(10-20m^{-2})..... : 1-3"/cot-4lf

Flush Dates..... : 5/3, 5/10, 5/20
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Newpath and RiceBeaux Synergism Study

Trial ID:W12-05 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-05 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date									5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									13 DAT	29 DAT	43 DAT	61 DAT	13 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0g	0g	0f	0g	0g
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	29e	61f	74cde	43e	93ab
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	29e	79a-d	71cde	58d	93ab
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	19f	71c-f	65e	33f	93ab
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	19f	73c-f	68de	40ef	91b
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	19f	64ef	68de	41ef	65e
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	15f	69def	71cde	43e	51f
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	73d	76b-e	73cde	61d	78d
9	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	90b	84abc	93ab	89ab	91b
	RiceBeaux	3LB/GAL		0.75	lb ai/a	2	pt/a	EPOST					
10	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	98a	92a	97a	94a	98a
	RiceBeaux	3LB/GAL		1.5	lb ai/a	4	pt/a	EPOST					
11	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	83c	75b-e	80b-e	79c	94ab
	Propanil	4LBA/GAL		0.75	lb ai/a	1.5	pt/a	EPOST					
12	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	84c	86ab	86abc	80bc	83c
	Propanil	4LBA/GAL		1.5	lb ai/a	3	pt/a	EPOST					
13	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	81c	79a-d	79b-e	76c	72d
	Bolero	8LBA/GAL		0.75	lb ai/a	0.75	pt/a	EPOST					
14	Newpath	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	83c	73c-f	81a-d	80bc	77d
	Bolero	8LBA/GAL		1.5	lb ai/a	1.5	pt/a	EPOST					
LSD (P=.05)									5.3	13.3	15.3	9.2	5.6
Standard Deviation									3.7	9.3	10.7	6.4	3.9
CV									7.19	13.25	14.9	11.04	5.07
Replicate F									0.089	1.181	5.611	0.370	3.311
Replicate Prob(F)									0.9659	0.3293	0.0027	0.7749	0.0298
Treatment F									364.388	22.083	18.053	67.619	174.297
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and RiceBeaux Synergism Study

Trial ID:W12-05 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-05 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
Pest Code									SEBEX	SEBEX	SEBEX	IPOLA	IPOLA
Rating Date									6/14/2012	6/26/2012	7/11/2012	5/29/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									29 DAT	43 DAT	61 DAT	13DAT	29 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0d	0d	0d	0f	0c
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	86a	76a	78ab	65c	83a
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	83a	78a	81ab	88ab	87a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	58bc	45bc	48c	71bc	33bc
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	74ab	71ab	71b	0f	33bc
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0d	0d	0d	0f	21c
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	8d	5d	0d	0f	15c
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	10d	6d	0d	21e	28c
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	79ab	81a	76ab	43d	82a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	90a	90a	93a	88ab	93a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	41c	38c	35c	80abc	85a
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	81a	80a	74ab	86ab	69a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	8d	5d	0d	92a	65ab
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	5d	5d	0d	89ab	85a
LSD (P=.05)									23.5	26.9	19.8	18.8	33.5
Standard Deviation									16.5	18.8	13.9	13.2	23.5
CV									37.05	45.5	34.94	25.49	42.28
Replicate F									1.429	1.659	1.074	0.343	0.446
Replicate Prob(F)									0.2488	0.1917	0.3715	0.7941	0.7217
Treatment F									20.794	15.168	30.430	35.285	7.591
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Newpath and RiceBeaux Synergism Study

Trial ID:W12-05 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-05 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	IPOLA	TRTPO	CYPIR	CYPIR	RICE
Pest Code									IPOLA	TRTPO	CYPIR	CYPIR	RICE
Rating Date									6/26/2012	6/14/2012	5/29/2012	6/14/2012	5/29/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit									%	%	%	%	%
Trt-Eval Interval									43 DAT	29 DAT	13 DAT	29 DAT	13 DAT
Number of Decimals									0	0	0	0	0
									11	12	13	14	15
1	No Newpath No Mixture								0d	0f	0h	0e	0a
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	92ab	71abc	73e	90ab	0a
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	95ab	70abc	74e	98a	0a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	78abc	58bcd	0h	33d	0a
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	59c	68abc	0h	50cd	0a
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	56c	23ef	33g	88ab	0a
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	58c	45cde	49f	69bc	0a
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	73bc	25def	79d	97a	0a
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	93ab	90ab	92b	98a	0a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	98a	93a	98a	98a	0a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	90ab	75abc	82c	98a	0a
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	93ab	69abc	82cd	98a	0a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	88ab	58bcd	80cd	97a	0a
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	85ab	61abc	80cd	97a	0a
LSD (P=.05)									25.3	33.4	3.1	27.1	0.0
Standard Deviation									17.7	23.4	2.2	18.9	0.0
CV									23.51	40.78	3.75	23.89	0.0
Replicate F									3.390	1.181	1.567	1.947	0.000
Replicate Prob(F)									0.0274	0.3295	0.2128	0.1381	1.0000
Treatment F									8.684	5.000	1056.187	10.485	0.000
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	1.0000

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Newpath and RiceBeaux Synergism Study

Trial ID:W12-05 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-05 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
Rating Date								6/14/2012	6/26/2012	7/11/2012	8/24/2012	8/24/2012	8/24/2012
Rating Type								INJURY	INJURY	INJURY	HEIGHT	HEIGHT	AVG HT
Rating Unit								%	%	%	cm	cm	cm
Trt-Eval Interval								29 DAT	43 DAT	61 DAT	HARVEST	HARVEST	HARVEST
Number of Decimals								0	0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20	21
1	No Newpath No Mixture								0a	0a	0a	79e	80e	79d
2	No Newpath RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0a	0a	0a	92a-d	96ab	94ab
3	No Newpath RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0a	0a	0a	95abc	100a	97a
4	No Newpath Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	92a-d	91bcd	91abc
5	No Newpath Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0a	0a	0a	94a-d	95ab	94ab
6	No Newpath Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0a	0a	0a	89bcd	84de	86bcd
7	No Newpath Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	88b-e	85cde	86bcd
8	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a	4	fl oz/a	EPOST	0a	0a	0a	85de	86cde	85cd
9	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 0.75	lb ai/a lb ai/a	4 2	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	99a	95ab	97a
10	Newpath RiceBeaux	2LB/GAL 3LB/GAL		0.0625 1.5	lb ai/a lb ai/a	4 4	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	96ab	97ab	96a
11	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	92a-d	93abc	93abc
12	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 3	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	100a	96ab	98a
13	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 0.75	lb ai/a lb ai/a	4 0.75	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	87b-e	89bcd	88bc
14	Newpath Bolero	2LB/GAL 8LBA/GAL		0.0625 1.5	lb ai/a lb ai/a	4 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	86cde	84de	85cd
LSD (P=.05)									0.0	0.0	0.0	9.4	8.2	8.1
Standard Deviation									0.0	0.0	0.0	6.6	5.7	5.6
CV									0.0	0.0	0.0	7.23	6.34	6.22
Replicate F									0.000	0.000	0.000	1.523	0.473	1.123
Replicate Prob(F)									1.0000	1.0000	1.0000	0.2238	0.7030	0.3516
Treatment F									0.000	0.000	0.000	2.981	4.569	4.097
Treatment Prob(F)									1.0000	1.0000	1.0000	0.0042	0.0001	0.0003

LSU AgCenter
School of Plant, Environmental and Soil Sciences
Beyond and RiceBeaux Synergism

Experiment number..... : **W12-06**
Location ..... : RRS-Winnsboro, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Gigger silt loam (14% sand, 70% silt, 16% clay)
  % OM ..... : 1.3
  pH ..... : 5.8
  CEC ..... : 5.8
Planting date ..... : 5/2/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/15/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 2:09-2:22P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 84/78
Relative humidity [%] ..... : 43
Wind [mph, direction] ..... : 3,NE
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
ECHCG(30-40m^{-2}) ..... : 1-4"/2lf-2till
CYPIR(150-200m^{-2}) ..... : 0.25-1"/3-6lf
TRTPO(75-100m^{-2}).... ..... : 0.25-3"/cot-12lf

Flush Dates..... : 5/3, 5/10, 5/20
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Beyond and RiceBeaux Synergism Study

Trial ID:W12-06 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
	Rating Date								5/29/2012	6/14/2012	6/26/2012	7/11/2012	5/29/2012	6/14/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								13 DAT	29 DAT	43 DAT	61 DAT	13 DAT	29 DAT
	Number of Decimals								0	0	0	0	0	0
1	No Beyond No Mixture								0c	0d	0f	0f	0c	0c
2	No Beyond RiceBeaux	3	LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	24bc	39c	73cde	40e	96ab	87a
3	No Beyond RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	31b	69b	76cd	64d	94b	91a
4	No Beyond Propanil	4	LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	10bc	38c	69de	33e	97a	91a
5	No Beyond Propanil	4	LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	24bc	35c	76cd	40e	93b	93a
6	No Beyond Bolero	8	LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	34b	35c	68de	33e	98a	70ab
7	No Beyond Bolero	8	LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	28b	35c	65e	45e	98a	83a
8	Beyond No Mixture	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	83a	71b	80c	76cd	98a	43b
9	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	85a	84ab	90ab	93ab	97a	92a
10	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	93a	98a	98a	94a	98a	92a
11	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	86a	80ab	80c	76cd	98a	93a
12	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	88a	80ab	80c	75cd	98a	90a
13	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	84a	81ab	80c	79c	98a	50b
14	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	90a	81ab	81bc	80bc	98a	45b
	LSD (P=.05)								26.4	21.5	9.8	13.8	3.0	32.5
	Standard Deviation								18.5	15.1	6.9	9.6	2.1	22.8
	CV								34.07	25.56	9.48	16.29	2.3	31.31
	Replicate F								2.139	2.688	0.919	0.981	0.734	0.554
	Replicate Prob(F)								0.1109	0.0596	0.4408	0.4117	0.5383	0.6482
	Treatment F								14.440	13.971	43.181	32.901	629.932	6.101
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Beyond and RiceBeaux Synergism Study

Trial ID:W12-06 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX	SEBEX	CYPIR	CYPIR	IPOLA	TRTPO
Pest Code									SEBEX	SEBEX	CYPIR	CYPIR	IPOLA	TRTPO
Rating Date									6/26/2012	7/11/2012	5/29/2012	6/14/2012	5/29/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%	%
Trt-Eval Interval									43 DAT	61 DAT	13 DAT	29 DAT	13 DAT	29 DAT
Number of Decimals									0	0	0	0	0	0
									7	8	9	10	11	12
1	No Beyond No Mixture								0e	0b	0d	0c	0c	0c
2	No Beyond RiceBeaux	3	LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	67abc	85a	54c	70ab	96a	55ab
3	No Beyond RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	92a	92a	80ab	97a	95a	49ab
4	No Beyond Propanil	4	LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	90a	89a	20d	66b	96a	63ab
5	No Beyond Propanil	4	LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	91a	93a	55bc	72ab	73b	75a
6	No Beyond Bolero	8	LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	40b-e	0b	75abc	94ab	97a	41abc
7	No Beyond Bolero	8	LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	61a-d	0b	83a	92ab	98a	43abc
8	Beyond No Mixture	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	52a-d	0b	90a	97a	96a	23bc
9	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	88a	89a	89a	96a	97a	60ab
10	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	97a	91a	95a	98a	97a	81a
11	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	84ab	88a	83a	97a	97a	75a
12	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	68abc	84a	88a	97a	96a	75a
13	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	38cde	0b	87a	97a	98a	44abc
14	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	20de	0b	89a	98a	97a	41abc
LSD (P=.05)									45.7	10.3	25.7	28.9	19.0	43.8
Standard Deviation									32.0	7.2	18.0	20.2	13.3	30.6
CV									50.5	14.18	25.59	24.16	15.07	59.28
Replicate F									0.709	1.993	0.026	0.191	0.885	3.276
Replicate Prob(F)									0.5524	0.1309	0.9943	0.9016	0.4575	0.0310
Treatment F									3.513	161.088	10.078	7.003	15.530	2.155
Treatment Prob(F)									0.0012	0.0001	0.0001	0.0001	0.0001	0.0323

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Beyond and RiceBeaux Synergism Study

Trial ID:W12-06 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
	Pest Code								RICE	RICE	RICE	RICE	RICE	RICE
	Rating Date								5/29/2012	6/14/2012	6/26/2012	7/11/2012	8/24/2012	8/24/2012
	Rating Type								INJURY	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	%	cm	cm
	Trt-Eval Interval								13 DAT	29 DAT	43 DAT	61 DAT	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
1	No Beyond No Mixture								0a	0a	0a	0a	89a	89a
2	No Beyond RiceBeaux	3	LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	0a	0a	0a	0a	91a	91a
3	No Beyond RiceBeaux	3	LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	0a	0a	0a	0a	100a	99a
4	No Beyond Propanil	4	LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	93a	89a
5	No Beyond Propanil	4	LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	0a	0a	0a	0a	98a	92a
6	No Beyond Bolero	8	LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	0a	0a	0a	0a	90a	92a
7	No Beyond Bolero	8	LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	0a	0a	0a	0a	86a	89a
8	Beyond No Mixture	1	LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	0a	0a	0a	0a	99a	100a
9	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	8a	0a	0a	0a	95a	93a
10	Beyond RiceBeaux	1 3	LBA/GAL LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	99a	98a
11	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	97a	97a
12	Beyond Propanil	1 4	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	4a	0a	0a	0a	98a	95a
13	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	94a	93a
14	Beyond Bolero	1 8	LBA/GAL LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	0a	0a	0a	0a	97a	91a
	LSD (P=.05)								6.2	0.0	0.0	0.0	11.3	10.1
	Standard Deviation								4.3	0.0	0.0	0.0	7.9	7.1
	CV								540.34	0.0	0.0	0.0	8.39	7.59
	Replicate F								1.918	0.000	0.000	0.000	0.731	2.766
	Replicate Prob(F)								0.1426	1.0000	1.0000	1.0000	0.5399	0.0546
	Treatment F								1.000	0.000	0.000	0.000	1.148	1.110
	Treatment Prob(F)								0.4697	1.0000	1.0000	1.0000	0.3517	0.3800

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Beyond and RiceBeaux Synergism Study

Trial ID:W12-06 Location:WRS-Winnsboro, LA Trial Year:
Protocol ID:W12-06 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/24/2012 YIELD g/plot HARVEST 0	RICE 8/24/2012 LENGTH ft HARVEST 1	RICE 8/24/2012 MOISTURE % HARVEST 1	RICE 8/24/2012 YIELD LB HARVEST 0	RICE 8/24/2012 YIELD KG/HA HARVEST 0
									19	20	21	22	23
1	No Beyond No Mixture								966a	12.2a	21.0a	2775a	3111a
2	No Beyond RiceBeaux		3LB/GAL	0.75	lb ai/a	2	pt/a	EPOST	1356a	12.2a	21.0a	3895a	4366a
3	No Beyond RiceBeaux		3LB/GAL	1.5	lb ai/a	4	pt/a	EPOST	1720a	12.2a	21.0a	4941a	5539a
4	No Beyond Propanil		4LBA/GAL	0.75	lb ai/a	1.5	pt/a	EPOST	1552a	12.2a	21.0a	4459a	4998a
5	No Beyond Propanil		4LBA/GAL	1.5	lb ai/a	3	pt/a	EPOST	1292a	12.2a	21.0a	3714a	4162a
6	No Beyond Bolero		8LBA/GAL	0.75	lb ai/a	0.75	pt/a	EPOST	1297a	12.2a	21.0a	3727a	4178a
7	No Beyond Bolero		8LBA/GAL	1.5	lb ai/a	1.5	pt/a	EPOST	1083a	12.2a	21.0a	3112a	3488a
8	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a	5	fl oz/a	EPOST	1775a	12.2a	21.0a	5102a	5718a
9	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	1418a	12.2a	21.0a	4075a	4567a
10	Beyond RiceBeaux		1LBA/GAL 3LB/GAL	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	1884a	12.2a	21.0a	5413a	6067a
11	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	1688a	12.2a	21.0a	4849a	5435a
12	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	1568a	12.2a	21.0a	4507a	5051a
13	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	1272a	12.2a	21.0a	3655a	4097a
14	Beyond Bolero		1LBA/GAL 8LBA/GAL	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	1523a	12.2a	21.0a	4377a	4906a
LSD (P=.05)									542.8	0.00	0.00	1559.8	1748.3
Standard Deviation									379.8	0.00	0.00	1091.5	1223.4
CV									26.08	0.0	0.0	26.08	26.08
Replicate F									2.215	0.000	0.000	2.215	2.215
Replicate Prob(F)									0.1017	1.0000	1.0000	0.1017	0.1017
Treatment F									1.943	0.000	0.000	1.943	1.943
Treatment Prob(F)									0.0549	1.0000	1.0000	0.0549	0.0549

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School of Plant, Environmental and Soil Sciences

Newpath and Propanil Synergism

Experiment number..... : **W12-07**
Location ..... : RRS-Winnsboro, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Gigger silt loam (14% sand, 70% silt, 16% clay)
  % OM ..... : 1.3
  pH ..... : 5.8
  CEC ..... : 5.8
Planting date ..... : 5/2/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/15/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 2:30-2:40P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 84/78
Relative humidity [%] ..... : 43
Wind [mph, direction] ..... : 3,NE
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
ECHCG(10-15m^{-2}) ..... : 1-2"/2-4lf
SEBEX(5-10m^{-2})……..:.... : 0.5-3"/cot-2lf
CYPIR(200-500m^{-2}) ..... : 0.5-2"/3-6lf

Flush Dates..... : 5/3, 5/10, 5/20
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

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Newpath and Propanil Synergism Study

Trial ID:W12-07 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code									ECHCG	ECHCG	ECHCG	ECHCG	SEBEX
Rating Date									6/14/2012	6/26/2012	7/3/2012	7/11/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									28 DAT	40 DAT	47 DAT	55 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	No Newpath No Mixture								0d	0e	0d	0e	0c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	73c	46d	45c	56d	88a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	76c	58cd	43c	63cd	85a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	75c	66bc	48c	56d	89a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	74c	50d	50c	63cd	89a
6	Newpath No Mixture	2LB/GAL		0.0625	lb ai/a		4fl oz/a	EPOST	85b	84a	90ab	83ab	58b
7	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	88ab	81ab	73b	80abc	85a
8	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	90ab	89a	93ab	83ab	85a
9	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	90ab	85a	94a	68bcd	85a
10	Newpath Propanil	2LB/GAL 4LBA/GAL		0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	94a	88a	94a	90a	81a
LSD (P=.05)									6.5	15.7	21.2	19.7	9.2
Standard Deviation									4.5	10.8	14.6	13.6	6.4
CV									6.06	16.76	23.29	21.17	8.56
Replicate F									0.932	1.639	1.752	0.554	2.565
Replicate Prob(F)									0.4389	0.2036	0.1801	0.6501	0.0755
Treatment F									146.092	26.312	18.114	14.159	75.668
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and Propanil Synergism Study

Trial ID:W12-07 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	SEBEX 6/26/2012 CONTROL % 40 DAT 0	SEBEX 7/3/2012 CONTROL % 47 DAT 0	SEBEX 7/11/2012 CONTROL % 55 DAT 0	IPOLA 6/14/2012 CONTROL % 28 DAT 0	TRTPO 6/14/2012 CONTROL % 28 DAT 0
									6	7	8	9	10
1	No Newpath No Mixture								0c	0c	0b	0c	0c
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	93a	92a	66a	88b	92ab
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	92a	92a	78a	90ab	91ab
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	96a	93a	76a	91ab	89b
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	97a	94a	78a	90ab	90ab
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	71b	57b	8b	90ab	89b
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	88ab	85a	63a	91ab	90ab
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	94a	85a	70a	93ab	95ab
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	93a	89a	63a	94a	97a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	97a	89a	68a	93ab	94ab
LSD (P=.05)									17.6	23.2	20.5	5.1	6.5
Standard Deviation									12.1	16.0	14.1	3.5	4.5
CV									14.78	20.63	24.89	4.33	5.42
Replicate F									1.748	1.734	1.843	1.110	3.774
Replicate Prob(F)									0.1809	0.1836	0.1633	0.3621	0.0221
Treatment F									24.171	13.433	16.345	264.337	169.311
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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Newpath and Propanil Synergism Study

Trial ID:W12-07 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15	16
Pest Code									ECLAL	RICE	RICE	RICE	RICE	RICE
Rating Date									6/14/2012	6/14/2012	6/26/2012	7/3/2012	8/24/2012	8/24/2012
Rating Type									CONTROL	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
Rating Unit									%	%	%	%	cm	cm
Trt-Eval Interval									28 DAT	28 DAT	40 DAT	47 DAT	HARVEST	HARVEST
Number of Decimals									0	0	0	0	0	0
1	No Newpath No Mixture								0e	0a	0a	0a	92a	82a
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	76c	0a	0a	0a	89a	87a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	78bc	0a	0a	0a	85a	89a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	88ab	0a	0a	0a	91a	89a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	85abc	0a	0a	0a	94a	91a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	64d	0a	0a	0a	89a	90a
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 1	lb ai/a lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	76c	0a	0a	0a	96a	94a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 2	lb ai/a lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	80abc	0a	0a	0a	91a	95a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 3	lb ai/a lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	83abc	0a	0a	0a	94a	90a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625 4	lb ai/a lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	90a	0a	0a	0a	94a	96a
LSD (P=.05)									11.1	0.0	0.0	0.0	9.4	8.4
Standard Deviation									7.6	0.0	0.0	0.0	6.5	5.8
CV									10.62	0.0	0.0	0.0	7.06	6.4
Replicate F									0.039	0.000	0.000	0.000	0.036	0.907
Replicate Prob(F)									0.9894	1.0000	1.0000	1.0000	0.9907	0.4507
Treatment F									47.453	0.000	0.000	0.000	1.009	1.916
Treatment Prob(F)									0.0001	1.0000	1.0000	1.0000	0.4574	0.0926

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Newpath and Propanil Synergism Study

Trial ID:W12-07 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/24/2012 AVG HT cm HARVEST 0	RICE 8/24/2012 YIELD g/plot HARVEST 0	RICE 8/24/2012 MOISTURE % HARVEST 1	RICE 8/24/2012 LENGTH ft HARVEST 1	RICE 8/24/2012 YIELD LB HARVEST 0
									17	18	19	20	21
1	No Newpath No Mixture								87a	1055a	20.8a	13.2a	2762a
2	No Newpath Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	88a	1213a	20.8a	13.2a	3178a
3	No Newpath Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	87a	1130a	20.8a	13.2a	2959a
4	No Newpath Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	90a	1305a	20.8a	13.2a	3417a
5	No Newpath Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	92a	1476a	20.8a	13.2a	3866a
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	89a	900a	20.8a	13.2a	2356a
7	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 1lb ai/a		4fl oz/a 1qt/a	EPOST EPOST	95a	1503a	20.8a	13.2a	3936a
8	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 2lb ai/a		4fl oz/a 2qt/a	EPOST EPOST	93a	1812a	20.8a	13.2a	4745a
9	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 3lb ai/a		4fl oz/a 3qt/a	EPOST EPOST	92a	1697a	20.8a	13.2a	4443a
10	Newpath Propanil		2LB/GAL 4LBA/GAL	0.0625	lb ai/a 4lb ai/a		4fl oz/a 4qt/a	EPOST EPOST	95a	1717a	20.8a	13.2a	4496a
LSD (P=.05)									6.5	654.0	0.00	0.00	1712.8
Standard Deviation									4.4	450.7	0.00	0.00	1180.4
CV									4.9	32.65	0.0	0.0	32.65
Replicate F									0.306	2.029	0.000	0.000	2.029
Replicate Prob(F)									0.8211	0.1334	1.0000	1.0000	0.1334
Treatment F									1.818	1.876	0.000	0.000	1.876
Treatment Prob(F)									0.1108	0.0997	1.0000	1.0000	0.0997

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Newpath and Propanil Synergism Study

Trial ID:W12-07 Location:WRS- Winnsboro, LA Trial Year:
Protocol ID:W12-07 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22
	Pest Code								RICE
	Rating Date								8/24/2012
	Rating Type								YIELD
	Rating Unit								KG/HA
	Trt-Eval Interval								HARVEST
	Number of Decimals								0
1	No Newpath No Mixture								3131a
2	No Newpath								3603a
	Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	
3	No Newpath								3355a
	Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	
4	No Newpath								3874a
	Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	
5	No Newpath								4383a
	Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	
6	Newpath No Mixture		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	2671a
7	Newpath		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	4462a
	Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	
8	Newpath		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	5380a
	Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	
9	Newpath		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	5037a
	Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	
10	Newpath		2LB/GAL	0.0625	lb ai/a		4fl oz/a	EPOST	5098a
	Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	
	LSD (P=.05)								1941.8
	Standard Deviation								1338.3
	CV								32.65
	Replicate F								2.029
	Replicate Prob(F)								0.1334
	Treatment F								1.876
	Treatment Prob(F)								0.0997

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School of Plant, Environmental and Soil Sciences

Beyond and Propanil Synergism

Experiment number..... : **W12-08**
Location ..... : RRS-Winnsboro, LA
Experimental design ..... : RCB
  Number of reps ..... : 4
  Plot size ..... : 5'x17'
  Row width/# per plot ..... : 7.5"/8
Soil type ..... : Gigger silt loam (14% sand, 70% silt, 16% clay)
  % OM ..... : 1.3
  pH ..... : 5.8
  CEC ..... : 5.8
Planting date ..... : 5/2/12
Harvest date..... : 8/24/12
Crop/Variety ..... : CL161
Emergence date..... : 5/15/12
Uniform std. treatment ..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/16/12
Time [hh:mm-hh:mm]..... : 2:53-3:01P
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 84/78
Relative humidity [%] ..... : 43
Wind [mph, direction] ..... : 3,NE
Weather [sunny, etc] ..... : pt. cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 2-3lf/2-4"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size*..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI..... : 15/24
Applied by ..... : EPW

Weed Species (population)..... :---------- (height/#leaves) ----------
ECHCG(10-15m^{-2}) ..... : 1-2"/2-4lf
BRAPP(2-5m^{-2}) ..... : 1-4"/2lf-4till
SEBEX(5-10m^{-2})……:.... : 0.5-3"/cot-2lf
CYPIR(200-500m^{-2}) ..... : 0.5-2"/3-6lf

Flush Dates..... : 5/3, 5/10, 5/20
Permanent Flood ..... : 5/30

*AMFF – Air mix flat fan nozzles

LSU AgCenter SPESS

Beyond and Propanil Synergism Study

Trial ID:W12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:W12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
	Rating Date								6/14/2012	6/26/2012	7/3/2012	7/11/2012	6/14/2012	6/26/2012
	Rating Type								CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit								%	%	%	%	%	%
	Trt-Eval Interval								28 DAT	40 DAT	47 DAT	55 DAT	28 DAT	40 DAT
	Number of Decimals								0	0	0	0	0	0
1	No Beyond No Mixture								0d	0f	0f	0d	0c	0c
2	No Beyond Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST	80b	51e	65e	59c	80a	88a
3	No Beyond Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST	71c	53e	71de	64c	80a	94a
4	No Beyond Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST	78bc	70cd	71de	65c	76a	96a
5	No Beyond Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST	79bc	64de	76bcd	69bc	84a	96a
6	Beyond No Mixture	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	89a	79bc	73cde	91a	49b	51b
7	Beyond	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	89a	83abc	79a-d	84ab	74a	84a
	Propanil	4LBA/GAL		1	lb ai/a	1	qt/a	EPOST						
8	Beyond	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	94a	90ab	83abc	91a	75a	85a
	Propanil	4LBA/GAL		2	lb ai/a	2	qt/a	EPOST						
9	Beyond	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	94a	90ab	85ab	84ab	85a	95a
	Propanil	4LBA/GAL		3	lb ai/a	3	qt/a	EPOST						
10	Beyond	1LBA/GAL		0.039	lb ai/a	5	fl oz/a	EPOST	94a	94a	90a	91a	85a	95a
	Propanil	4LBA/GAL		4	lb ai/a	4	qt/a	EPOST						
	LSD (P=.05)								7.9	13.3	11.0	16.7	11.9	13.4
	Standard Deviation								5.4	9.2	7.6	11.5	8.2	9.3
	CV								7.1	13.64	10.96	16.55	11.95	11.84
	Replicate F								1.766	0.406	2.527	1.632	3.222	4.373
	Replicate Prob(F)								0.1774	0.7499	0.0785	0.2052	0.0383	0.0124
	Treatment F								106.445	37.587	44.879	22.764	41.173	43.574
	Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

LSU AgCenter SPESS

Beyond and Propanil Synergism Study

Trial ID:W12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:W12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11
Pest Code									SEBEX	SEBEX	IPOLA	IPOLA	TRTPO
Rating Date									7/3/2012	7/11/2012	6/14/2012	6/26/2012	6/14/2012
Rating Type									CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit									%	%	%	%	%
Trt-Eval Interval									47 DAT	55 DAT	28 DAT	40 DAT	28 DAT
Number of Decimals									0	0	0	0	0
1	No Beyond No Mixture								0d	0c	0c	0b	0d
2	No Beyond Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	76ab	68ab	93ab	99a	93c
3	No Beyond Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	83ab	59b	90b	99a	93c
4	No Beyond Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	79ab	70ab	90b	99a	94bc
5	No Beyond Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	89a	79a	93ab	99a	96ab
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a		5fl oz/a	EPOST	28cd	0c	93ab	99a	93c
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 	lb ai/a lb ai/a		5fl oz/a 1qt/a	EPOST EPOST	55bc	63ab	90b	99a	95abc
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 	lb ai/a lb ai/a		5fl oz/a 2qt/a	EPOST EPOST	65ab	66ab	93ab	99a	95abc
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 	lb ai/a lb ai/a		5fl oz/a 3qt/a	EPOST EPOST	90a	78a	95a	99a	95abc
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 	lb ai/a lb ai/a		5fl oz/a 4qt/a	EPOST EPOST	82ab	79a	96a	99a	97a
LSD (P=.05)									30.9	16.8	3.3	0.0	2.6
Standard Deviation									21.3	11.6	2.2	0.0	1.8
CV									32.95	20.69	2.7	0.0	2.08
Replicate F									2.200	4.034	1.367	0.000	2.677
Replicate Prob(F)									0.1111	0.0171	0.2738	1.0000	0.0671
Treatment F									7.685	27.319	679.347	0.000	1139.986
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	0.0001

LSU AgCenter SPESS

Beyond and Propanil Synergism Study

Trial ID:W12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:W12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	ECLAL 6/14/2012 CONTROL % 28 DAT 0	RICE 6/14/2012 INJURY % 28 DAT 0	RICE 6/26/2012 INJURY % 40 DAT 0	RICE 7/3/2012 INJURY % 47 DAT 0	RICE 8/24/2012 HEIGHT cm HARVEST 0	RICE 8/24/2012 HEIGHT cm HARVEST 0
	Pest Code													
	Rating Date								6/14/2012	6/14/2012	6/26/2012	7/3/2012	8/24/2012	8/24/2012
	Rating Type								CONTROL	INJURY	INJURY	INJURY	HEIGHT	HEIGHT
	Rating Unit								%	%	%	%	cm	cm
	Trt-Eval Interval								28 DAT	28 DAT	40 DAT	47 DAT	HARVEST	HARVEST
	Number of Decimals								0	0	0	0	0	0
									12	13	14	15	16	17
1	No Beyond No Mixture								0h	0a	0a	0a	90bcd	89a
2	No Beyond Propanil		4LBA/GAL		1lb ai/a		1qt/a	EPOST	69efg	0a	0a	0a	87cd	92a
3	No Beyond Propanil		4LBA/GAL		2lb ai/a		2qt/a	EPOST	71def	0a	0a	0a	93ab	90a
4	No Beyond Propanil		4LBA/GAL		3lb ai/a		3qt/a	EPOST	79bcd	0a	0a	0a	89bcd	93a
5	No Beyond Propanil		4LBA/GAL		4lb ai/a		4qt/a	EPOST	84abc	0a	0a	0a	87d	93a
6	Beyond No Mixture		1LBA/GAL	0.039	lb ai/a		5fl oz/a	EPOST	63fg	0a	0a	0a	92a-d	92a
7	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 1	lb ai/a lb ai/a		5fl oz/a 1qt/a	EPOST EPOST	61g	0a	0a	0a	92a-d	93a
8	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 2	lb ai/a lb ai/a		5fl oz/a 2qt/a	EPOST EPOST	75cde	0a	0a	0a	93ab	91a
9	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 3	lb ai/a lb ai/a		5fl oz/a 3qt/a	EPOST EPOST	88ab	0a	0a	0a	92abc	95a
10	Beyond Propanil		1LBA/GAL 4LBA/GAL	0.039 4	lb ai/a lb ai/a		5fl oz/a 4qt/a	EPOST EPOST	91a	0a	0a	0a	95a	95a
	LSD (P=.05)								9.2	0.0	0.0	0.0	5.4	6.3
	Standard Deviation								6.3	0.0	0.0	0.0	3.7	4.4
	CV								9.31	0.0	0.0	0.0	4.12	4.75
	Replicate F								2.744	0.000	0.000	0.000	0.743	0.758
	Replicate Prob(F)								0.0626	1.0000	1.0000	1.0000	0.5359	0.5277
	Treatment F								67.005	0.000	0.000	0.000	2.260	0.832
	Treatment Prob(F)								0.0001	1.0000	1.0000	1.0000	0.0491	0.5932

LSU AgCenter SPESS

Beyond and Propanil Synergism Study

Trial ID:W12-08 Location:RRS-Crowley, LA Trial Year:
Protocol ID:W12-08 Investigator:Eric P. Webster
Project ID: Study Director:Eric P. Webster
Sponsor Contact:

Trt No.	Treatment Name	Form Conc	Form Unit	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	RICE 8/24/2012 HEIGHT cm HARVEST 0	RICE 8/24/2012 YIELD g/plot HARVEST 0	RICE 8/24/2012 MOISTURE % HARVEST 1	RICE 8/24/2012 LENGTH ft HARVEST 1	RICE 8/24/2012 YIELD LB HARVEST 0	RICE 8/24/2012 YIELD KG/HA HARVEST 0
									18	19	20	21	22	23
1	No Beyond No Mixture								89a	1091e	21.6a	12.3a	2988e	3349e
2	No Beyond Propanil	4LBA/GAL		1lb	ai/a	1qt/a		EPOST	89a	1399cde	21.6a	12.5a	3831cde	4294cde
3	No Beyond Propanil	4LBA/GAL		2lb	ai/a	2qt/a		EPOST	92a	1603bcd	21.6a	12.5a	4388bcd	4918bcd
4	No Beyond Propanil	4LBA/GAL		3lb	ai/a	3qt/a		EPOST	91a	1246de	21.6a	12.5a	3411de	3823de
5	No Beyond Propanil	4LBA/GAL		4lb	ai/a	4qt/a		EPOST	90a	1552bcd	21.6a	12.5a	4248bcd	4761bcd
6	Beyond No Mixture	1LBA/GAL		0.039lb	ai/a	5fl oz/a		EPOST	92a	1614bcd	21.6a	12.5a	4420bcd	4954bcd
7	Beyond	1LBA/GAL		0.039lb	ai/a	5fl oz/a		EPOST	92a	1841ab	21.6a	12.5a	5040ab	5649ab
	Propanil	4LBA/GAL		1lb	ai/a	1qt/a		EPOST						
8	Beyond	1LBA/GAL		0.039lb	ai/a	5fl oz/a		EPOST	92a	1748abc	21.6a	12.5a	4785abc	5363abc
	Propanil	4LBA/GAL		2lb	ai/a	2qt/a		EPOST						
9	Beyond	1LBA/GAL		0.039lb	ai/a	5fl oz/a		EPOST	94a	1784abc	21.6a	12.5a	4885abc	5475abc
	Propanil	4LBA/GAL		3lb	ai/a	3qt/a		EPOST						
10	Beyond	1LBA/GAL		0.039lb	ai/a	5fl oz/a		EPOST	95a	2105a	21.6a	12.5a	5762a	6459a
	Propanil	4LBA/GAL		4lb	ai/a	4qt/a		EPOST						
LSD (P=.05)									5.2	424.7	0.00	0.16	1162.7	1303.2
Standard Deviation									3.6	292.7	0.00	0.11	801.3	898.2
CV									3.91	18.31	0.0	0.89	18.31	18.31
Replicate F									0.104	1.667	0.000	1.000	1.667	1.667
Replicate Prob(F)									0.9573	0.1976	1.0000	0.4079	0.1976	0.1976
Treatment F									1.086	4.129	0.000	1.000	4.129	4.129
Treatment Prob(F)									0.4047	0.0020	1.0000	0.4635	0.0020	0.0020

Appendix I

ABBREVIATIONS USED IN RICE WEED CONTROL RESEARCH

A	**Acre**
AM	**Greenleaf Technologies AirMix nozzle**
AMFF	**Greenleaf Technologies AirMix Flatfan nozzle**
AVG	**Average**
CO_2BKPK	**CO_2-pressurized backpack sprayer**
Bleach	**Percent white rice plants**
cm or CM	**Centimeters**
COC	**Crop oil concentrate**
Cotyl	**Cotyledon**
DA	**Days after**
DPRE	**Delayed preemergence application**
DAE	**Days after emergence**
DAEPOST	**Days after early postemergence application**
DAFLOOD	**Days after flood establishment**
DALPOST	**Days after late postemergence application**
DAMPOST	**Days after mid postemergence application**
DAP	**Days after planting**
DAPI	**Days after panicle initiation**
DAPOT	**Days after postemergence application**
DAT	**Days after treatment**
DG	**Drift Guard nozzle**
DRWDWN	**Seeding flood drain/drawdown**
Emergence	**Emergence application**
EPOST	**Early postemergence application**
EPOST-FLOOD	**Early postemergence after flood establishment**
F	**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**
IE	**Internode elongation**
In	**Inches**
LB	**Pounds**
LB/A	**Pounds product per acre**
LB A/A	**Pounds active ingredient per acre**
lf	**Leaf**
LPOST	**Late postemergence application**
LPOST-FLOOD	**Late postemergence after flood establishment**
MC	**Mostly cloudy**
MPOST	**Mid postemergence application**
MSO	**Methylated soybean oil**
N/A	**Not applicable**
NIS	**Non-ionic surfactant**
OC	**Overcast cloud cover**
OZ/A	**Ounces product per acre**
OZ A/A	**Ounces active ingredient per acre**
PD	**Panicle differentiation**
PEG	**Pegging application**
PEGFLD	**Pegging application after flood establishment**

PEGGING	**Pegging application**
PI	**Panicle initiation**
PPI	**Preplant incorporated application**
PRE	**Preemergence application**
PREFL	**Pre-flood application**
PREPLANT	**Surface application prior to planting**
PRE-SEED	**Application to pregerminated seed**
PRE-SOIL	**Surface application prior to water-seeding**
POT	**Postemergence application**
POFL, POST-FLOOD	**After permanent flood establishment**
PC	**Partly cloudy**
PT/A	**Pints product per acre**
QT/A	**Quarts product per acre**
RCB	**Randomized complete block experimental design**
RRS	**Rice Research Station, Crowley, LA**
SPOON	**Expanded ducksalad leaf application**
STAND	**Rice stand count**
STETOT	**Total stems**
STUNT	**Percent rice stunting**
TD	**TurboDrop XL drift reduction nozzles**
TDM	**Total dry matter**
TILL	**Tiller**
WAE	**Weeks after emergence**
WAT	**Weeks after treatment**
WT	**Weight**
1-2lf	**1-2 leaf rice growth stage**
2-3lf	**2-3 leaf rice growth stage**
3-4lf	**3-4 leaf rice growth stage**
4-5lf	**4-5 leaf rice growth stage**
5lf-1till	**5 leaf to 1 tiller rice growth stage**
24 PREFL	**24 hours pre-flood**
24 POFL	**24 hours post-flood**

Common Rice Weeds of Louisiana

Bayer Code	Common Name	Scientific Name
AESIN	Indian jointvetch	*Aeschynomene indica*
ALRPH	Alligatorweed	*Alternanthera philoxeroides*
BRAPP	broadleaf signalgrass	*Urochloa platyphylla*
BROOK[a]	Brook paspalum	*Paspalum acuminatum*
CARPA	Smallflowered bittercress	*Cardamine parviflora*
CNPPA	Texasweed	*Caperonia palustris*
COMDI	spreading dayflower	*Commelina diffusa*
CYPIR	rice flatsedge	*Cyperus iria*
CYPES	yellow nutsedge	*Cyperus esculentus*
ECHCG	Barnyardgrass	*Echinocloa crus-galli*
ECHPO[a]	creeping rivergrass	*Echinochloa polystachya*
ECLAL	eclipta	*Eclipta prostrata*
HETLI	ducksalad	*Heteranthera limosa*
LEFPA	Amazon sprangletop	*Leptochloa panicoides*
MEOCO	redweed	*Melochia corchorifolia*
ORYSA	red rice	*Oryza sativa*
PASDS	knotgrass	*Paspalum distichum*
PASFL	water paspalum	*Paspalum hydrophilum*
POAAN	annual bluegrass	*Poa annua*
POLPE	ladysthumb	*Polygonum aviculare*
RANAR	corn buttercup	*Ranunculus arvensis*
ROTRA	toothcup	*Rotala ramosior*
RUMCR	Curly dock	*Rumex crispus*
SEBEX	hemp sesbania	*Sesbania herbacea*
SONOL	annual sowthistle	*Sonchus oleraceus*

[a]No WSSA approved BAYER code at this time.

Appendix II

List of Herbicides

Trade Name	Formulation	Company	Common Name	Chemical Name
Aim	40 WG	FMC	carfentrazone	ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate
Basagran	4 SL	BASF	bentazon	3-(1-methylethyl)-1H-2,1,3,-benzothiadiazin-4(3H)-one 2,2-dioxide
Beyond	1 SC	BASF	imazamox	2-[4,5-dihydro-4-methyl-4-(1-methylethyl-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid
Blazer	2 SC	BASF	acifluorfen	Sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
Bolero	8 EC	Valent	thiobencarb	S-[(4-chlorophenyl)methyl] diethylcarbamothioate
Clincher	2.4 EC	Dow AgroSciences	cyhalofop-butyl	2-[4-(4-cyano-2-fluorphenoxy)phenoxy] propanoic acid, butyl ester, (R)
Command	3 ME	FMC	clomazone	2-(2-Chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone
Duet		Riceco	propanil (4 lb ai/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
Agri-dex	99%	Helena	crop oil concentrate	Paraffin base petroleum oil (84%), polyol fatty acid esters and polyethoxylated derivatives (15%)
Dyne-a-pak	76%	Helena	nonionic surfactant	Blend of alkanolamides, alkanoates, trisiloxane, and carbamides
Induce	90%	Helena	nonionic surfactant	Blend of alkyl aryl polyoxylkane ether and free fatty acids
Kinetic	97%	Helena	nonionic surfactant	Blend of polyalkyleneoxide modified polydimethylsiloxane and polyoxypropylene-polyoxyethylene block copolymers
MSO	100%	N/A	methylated soybean oil	Methylated soybean oil, alkylphenol ethoxylate

Appendix III

Weather Data

Day	April			May			June			July			August		
	High	Low	Rain	High	Low	Rain	High	Low	Rain	High	Low	Rain	High	Low	Rain
	F	F	Inches	F	F	Inches	F	F	Inches	F	F	Inches	F	F	Inches
1	83	67	0	86	66	0	86	67	0	94	72	0	94	78	0
2	82	63	1.18	87	71	1.27	89	64	0	95	72	0	92	77	0
3	83	64	0.01	87	71	0.01	91	68	0	95	74	0	92	77	0.15
4	80	63	0.9	87	71	0	92	73	0	95	75	0	91	76	0.25
5	81	63	0	87	72	0	94	73	0	93	73	0	93	74	0.01
6	79	57	0	88	70	0	92	68	1.84	94	73	1.09	92	74	0
7	82	58	0	87	69	0.3	90	71	1.33	88	73	0.01	92	75	0
8	82	61	0	85	68	1.76	89	70	0.11	85	73	0.91	91	75	1.07
9	81	61	0	81	69	0	85	71	0	80	72	0.08	89	76	0.77
10	83	64	0	81	64	0	87	72	0	78	73	0.69	91	78	0
11	85	62	0.03	72	65	0.54	89	77	0	81	73	0.77	92	76	0
12	76	63	0	78	66	0.01	84	68	1.02	84	72	0.21	92	75	0
13	82	65	0	78	64	0	90	71	1.2	78	71	0.93	92	78	0
14	81	68	0	82	63	0	84	72	0.14	89	70	0.01	94	78	0
15	84	70	0	84	63	0	85	71	0.04	87	73	0.01	92	76	0
16	78	65	0.68	83	66	0.02	88	70	0	89	74	0	93	72	0
17	70	57	0.01	88	63	0.01	87	69	0.03	91	74	0	90	75	0
18	75	54	0	90	65	0	84	73	0.09	94	76	0.02	87	73	0
19	79	53	0	87	67	0	86	74	0	93	71	0.47	80	72	0
20	80	58	0	87	68	0	87	72	0	92	72	2.08	88	71	0
21	65	51	0.24	90	70	0.01	88	71	0.01	86	73	0.7	87	71	0
22	81	49	0	91	69	0	90	72	0	87	73	0.54	88	73	0
23	71	50	0	88	72	0	93	73	0	90	73	0.01	89	70	0
24	77	48	0	86	71	0	96	75	0	91	74	0	86	72	0
25	81	60	0	86	72	0	99	73	0.01	91	75	0.38	85	71	0
26	82	66	0	89	70	0	98	75	0	90	76	0.31	91	72	0
27	82	66	0	91	71	0	97	70	0	92	75	0	90	73	0
28	82	66	0	91	71	0	95	77	0	92	74	0.19	90	73	0
29	84	65	0	91	71	0	94	76	0	95	74	0.01	81	74	0
30	86	69	0	91	73	0	92	72	0	93	78	0	84	73	0
31				88	69	0.03				94	77	0	90	77	0.23