Weed Science

Rice Annual Research Report

2011

Photo. Preparing for South Farm Field Day

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School of Plant, Environmental and Soil Sciences

Weed Science

Annual Research Report

2011

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Research Summary: 2011-306-6369

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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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Evaluation of Winfield Glyphosate Formulations for Pre-plant Burndown

Experiment number..... : **C11-01**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : N/A
Harvest date..... : N/A
Crop/Variety ..... : N/A
Emergence date..... : N/A
Uniform std. treatment..... : N/A

Application type..... : burndown
Date applied [mm/dd/yy] ..... : 02/17/11
Time [hh:mm-hh:mm]..... : 10:00-10:20a
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 68/60
Relative humidity [%]..... : 60
Wind [mph, direction] ..... : 3-7,S
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : pre-plant
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AIXR/110015
Boom ht/# Noz/Spacing ..... : 15/5/15
GPA/PSI ..... : 10/13
Applied by..... : JBH

Weed Species (population)..... :- (height/#leaves) --
POAAN (50-75m^{-2})..... : 1-8"/1-20tiller
RUMCR (3-5m^{-2}) ..... : 3-12"/5-20lf
SONOL (2-4m^{-2})……..... : 2-6"/rosette-20lf
CARPA (20-40m^{-2}) ..... : ½-12"/rosette-flowering
RANAR (5-15m^{-2})..... : 1-8"/1lf-flowering

*AIXR – Air induction extended range nozzles

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Evaluation of Winfield Glyphosate Formulations for Pre-plant Burndown

Trial ID: C11-01 Protocol ID: C11-01
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code					RUMCR	RUMCR	RUMCR	SONOL	SONOL	SONOL	CARPA
Rating Date					2/25/11	3/4/11	3/11/11	2/25/11	3/4/11	3/11/11	2/25/11
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%	%	%
Trt-Eval Interval					7 DAT	14 DAT	21 DAT	7 DAT	14 DAT	21 DAT	7 DAT
Number of Decimals					0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	1	2	3	4	5	6	7
1	Roundup PowerMax	11	fl oz/a	Preplant	8 a	8 a	8 a	11 ab	63 b	80 b	33 a
2	Cornerstone 5 Plus	12	fl oz/a	Preplant	3 a	10 a	8 a	10 b	85 a	90 a	43 a
3	AGH 10604	12	fl oz/a	Preplant	3 a	8 a	5 a	10 b	58 b	80 b	35 a
4	AGH 11043	11	fl oz/a	Preplant	3 a	5 a	5 a	11 ab	80 a	85 ab	35 a
5	AGH 11035	11	fl oz/a	Preplant	0 a	3 a	3 a	10 b	43 c	68 c	33 a
6	Roundup PowerMax	22	fl oz/a	Preplant	5 a	10 a	8 a	10 b	85 a	89 a	40 a
7	Cornerstone 5 Plus	24	fl oz/a	Preplant	3 a	10 a	10 a	14 a	83 a	93 a	40 a
8	AGH 10604	24	fl oz/a	Preplant	8 a	10 a	10 a	11 ab	85 a	90 a	35 a
9	AGH 11043	22	fl oz/a	Preplant	10 a	10 a	8 a	14 a	83 a	90 a	40 a
10	AGH 11035	22	fl oz/a	Preplant	5 a	8 a	5 a	10 b	83 a	89 a	33 a
LSD (P=.05)					6.8	5.3	6.0	2.6	12.4	8.5	8.0
Standard Deviation					4.7	3.7	4.2	1.8	8.6	5.9	5.5
CV					104.76	45.64	61.65	16.12	11.49	6.9	15.19
Grand Mean					4.5	8.0	6.75	11.13	74.5	85.25	36.5
Replicate F					0.750	1.000	3.995	0.712	4.409	4.837	1.843
Replicate Prob(F)					0.5319	0.4079	0.0178	0.5532	0.0120	0.0080	0.1631
Treatment F					1.700	2.000	1.299	2.784	12.182	6.610	1.843
Treatment Prob(F)					0.1378	0.0793	0.2826	0.0190	0.0001	0.0001	0.1059

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Pest Code					CARPA	CARPA	RANAR	RANAR	RANAR	POAAN	POAAN
Rating Date					3/4/11	3/11/11	2/25/11	3/4/11	3/11/11	2/25/11	3/4/11
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%	%	%	%
Trt-Eval Interval					14 DAT	21 DAT	7 DAT	14 DAT	21 DAT	7 DAT	14 DAT
Number of Decimals					0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	8	9	10	11	12	13	14
1	Roundup PowerMax	11	fl oz/a	Preplant	45 d	78 abc	63 a	85 bc	94 a	90 a	95 a
2	Cornerstone 5 Plus	12	fl oz/a	Preplant	55 bcd	78 abc	65 a	88 ab	96 a	89 a	95 a
3	AGH 10604	12	fl oz/a	Preplant	45 d	73 c	63 a	85 bc	94 a	89 a	95 a
4	AGH 11043	11	fl oz/a	Preplant	50 cd	83 ab	60 a	88 ab	96 a	90 a	95 a
5	AGH 11035	11	fl oz/a	Preplant	50 cd	75 bc	60 a	80 c	95 a	90 a	95 a
6	Roundup PowerMax	22	fl oz/a	Preplant	65 ab	85 a	63 a	91 a	96 a	90 a	95 a
7	Cornerstone 5 Plus	24	fl oz/a	Preplant	60 abc	85 a	65 a	90 ab	96 a	90 a	96 a
8	AGH 10604	24	fl oz/a	Preplant	65 ab	85 a	70 a	91 a	97 a	90 a	96 a
9	AGH 11043	22	fl oz/a	Preplant	68 a	83 ab	68 a	93 a	97 a	90 a	95 a
10	AGH 11035	22	fl oz/a	Preplant	60 abc	85 a	73 a	91 a	96 a	89 a	95 a
LSD (P=.05)					12.3	8.0	11.0	6.0	2.5	2.0	1.0
Standard Deviation					8.5	5.5	7.6	4.1	1.7	1.4	0.7
CV					15.1	6.86	11.69	4.68	1.81	1.51	0.72
Grand Mean					56.25	80.75	64.75	88.13	95.43	89.63	95.15
Replicate F					0.127	0.517	1.323	7.286	1.019	1.253	0.643
Replicate Prob(F)					0.9432	0.6744	0.2874	0.0010	0.3998	0.3101	0.5941
Treatment F					3.947	2.909	1.207	3.612	1.292	0.797	0.857
Treatment Prob(F)					0.0026	0.0152	0.3312	0.0046	0.2863	0.6217	0.5728

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Pest Code					POAAN	OVERALL	OVERALL	OVERALL
Rating Date					3/11/11	2/25/11	3/4/11	3/11/11
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit					%	%	%	%
Trt-Eval Interval					21 DAT	7 DAT	14 DAT	21 DAT
Number of Decimals					0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Growth Stage	15	16	17	18
1	Roundup PowerMax	11	fl oz/a	Preplant	98 a	75 a	85 a	90 a
2	Cornerstone 5 Plus	12	fl oz/a	Preplant	98 a	75 a	88 a	88 a
3	AGH 10604	12	fl oz/a	Preplant	97 a	73 a	83 a	88 a
4	AGH 11043	11	fl oz/a	Preplant	98 a	75 a	83 a	85 a
5	AGH 11035	11	fl oz/a	Preplant	98 a	73 a	83 a	84 a
6	Roundup PowerMax	22	fl oz/a	Preplant	98 a	78 a	90 a	93 a
7	Cornerstone 5 Plus	24	fl oz/a	Preplant	98 a	78 a	86 a	90 a
8	AGH 10604	24	fl oz/a	Preplant	98 a	80 a	91 a	93 a
9	AGH 11043	22	fl oz/a	Preplant	98 a	78 a	88 a	89 a
10	AGH 11035	22	fl oz/a	Preplant	98 a	75 a	85 a	88 a
LSD (P=.05)					0.7	7.7	6.9	9.5
Standard Deviation					0.5	5.3	4.7	6.5
CV					0.48	7.04	5.52	7.38
Grand Mean					97.93	75.75	86.0	88.58
Replicate F					1.000	2.433	5.259	4.140
Replicate Prob(F)					0.4079	0.0867	0.0055	0.0155
Treatment F					1.000	0.792	1.716	0.841
Treatment Prob(F)					0.4635	0.6266	0.1338	0.5856

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Efficacy of Bombard 5G Applied Preplant and at Pegging to Water-seeded Rice

Experiment number	**C11-03**
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	04/08/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/15/11
Uniform std. treatment	N/A

Application type	Preplant	Pegging
Date applied [mm/dd/yy]	04/07/11	04/19/11
Time [hh:mm-hh:mm]	11:00-11:20a	2:00-2:30p
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	78/62	81/72
Relative humidity [%]	65	76
Wind [mph, direction]	4-7,S	10-15.SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	flood/N/A	dry/dry
Crop stage/Height	N/A	emergence/¼"
Sprayer type/MPH	N/A	Hand
Nozzle type/Size*	N/A	Granular 150 lb/A
Boom ht/# Noz/Spacing	N/A	N/A
GPA/PSI	N/A	N/A
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
ECHCG (1-5M^{-2}	¼-½"/1lf
BRAPP (1-5m^{-2})……	¼-½"/1lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Efficacy of Bombard 5G Applied Preplant and at Pegging to Water-seeded Rice

Trial ID: C11-03 Protocol ID: C11-03
Location: RRS-Crowley, LA Study Director:

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							5/4/11	5/10/11	5/24/11	6/7/11	5/4/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAPEG	21 DAPEG	35 DAPEG	49 DAPEG	15 DAPEG
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	BOMBARD	0.30	lb ai/a	96	oz/a	PREPLANT	95 a	98 a	98 a	95 ab	97 a
2	BOMBARD	0.40	lb ai/a	128	oz/a	PREPLANT	96 a	98 a	98 a	96 ab	96 a
3	BOMBARD	0.60	lb ai/a	192	oz/a	PREPLANT	96 a	98 a	98 a	93 ab	97 a
4	BOMBARD	1.20	lb ai/a	384	oz/a	PREPLANT	95 a	97 b	98 a	91 b	95 a
5	BOMBARD	0.30	lb ai/a	96	oz/a	PEGGING	95 a	98 a	97 a	91 b	95 a
6	BOMBARD	0.40	lb ai/a	128	oz/a	PEGGING	95 a	98 a	98 a	96 ab	95 a
7	BOMBARD	0.60	lb ai/a	192	oz/a	PEGGING	95 a	98 a	98 a	95 ab	95 a
8	BOMBARD	1.20	lb ai/a	384	oz/a	PEGGING	97 a	98 a	98 a	95 ab	97 a
9	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PREPLANT	95 a	98 a	98 a	97 a	95 a
10	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PEGGING	96 a	98 a	98 a	95 ab	95 a
11	NONTREATED						0 b	0 c	0 b	0 c	0 b
LSD (P=.05)							2.8	0.7	0.8	5.9	2.7
Standard Deviation							2.0	0.5	0.5	4.1	1.9
CV							2.25	0.51	0.59	4.76	2.18
Grand Mean							86.64	89.02	88.95	85.84	86.7
Replicate F							2.067	1.000	1.000	2.454	2.422
Replicate Prob(F)							0.1257	0.4064	0.4064	0.0825	0.0853
Treatment F							866.714	17048.646	12766.935	195.222	929.345
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	HETLI	HETLI
Rating Date							5/10/11	5/24/11	6/7/11	5/4/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DAPEG	35 DAPEG	49 DAPEG	15 DAPEG	21 DAPEG
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	BOMBARD	0.30	lb ai/a	96	oz/a	PREPLANT	98 a	98 ab	95 a	91 bc	70 a-e
2	BOMBARD	0.40	lb ai/a	128	oz/a	PREPLANT	98 a	98 ab	96 a	90 c	59 cde
3	BOMBARD	0.60	lb ai/a	192	oz/a	PREPLANT	98 a	98 ab	91 a	93 abc	48 e
4	BOMBARD	1.20	lb ai/a	384	oz/a	PREPLANT	97 b	98 a	90 a	91 bc	66 b-e
5	BOMBARD	0.30	lb ai/a	96	oz/a	PEGGING	98 a	98 ab	90 a	89 c	70 a-e
6	BOMBARD	0.40	lb ai/a	128	oz/a	PEGGING	98 a	97 b	96 a	90 c	78 a-d
7	BOMBARD	0.60	lb ai/a	192	oz/a	PEGGING	98 a	98 ab	95 a	95 ab	79 abc
8	BOMBARD	1.20	lb ai/a	384	oz/a	PEGGING	98 a	98 ab	95 a	95 ab	90 a
9	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PREPLANT	98 a	97 b	97 a	96 a	55 de
10	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PEGGING	98 a	98 ab	95 a	91 bc	86 ab
11	NONTREATED						0 c	0 c	0 b	0 d	0 f
LSD (P=.05)							0.7	1.0	7.4	4.4	22.7
Standard Deviation							0.5	0.7	5.1	3.0	15.7
CV							0.51	0.75	6.0	3.64	24.69
Grand Mean							89.02	88.95	85.43	83.66	63.64
Replicate F							1.000	1.149	2.678	4.036	4.952
Replicate Prob(F)							0.4064	0.3455	0.0648	0.0159	0.0065
Treatment F							17048.646	7764.122	123.140	334.852	9.921
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							HETLI	HETLI	RICE	RICE	RICE
Rating Date							5/24/11	6/7/11	5/4/11	5/10/11	5/24/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAPEG	49 DAPEG	15 DAPEG	21 DAPEG	35 DAPEG
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	BOMBARD	0.30	lb ai/a	96	oz/a	PREPLANT	50 a	29 a	3 ef	0 c	0 a
2	BOMBARD	0.40	lb ai/a	128	oz/a	PREPLANT	43 ab	21 b	0 f	0 c	0 a
3	BOMBARD	0.60	lb ai/a	192	oz/a	PREPLANT	33 b	20 b	3 ef	0 c	0 a
4	BOMBARD	1.20	lb ai/a	384	oz/a	PREPLANT	33 b	23 ab	6 ef	0 c	0 a
5	BOMBARD	0.30	lb ai/a	96	oz/a	PEGGING	35 b	25 ab	19 d	3 c	0 a
6	BOMBARD	0.40	lb ai/a	128	oz/a	PEGGING	40 ab	20 b	28 bc	13 b	0 a
7	BOMBARD	0.60	lb ai/a	192	oz/a	PEGGING	40 ab	23 ab	31 b	14 b	0 a
8	BOMBARD	1.20	lb ai/a	384	oz/a	PEGGING	50 a	20 b	40 a	19 a	0 a
9	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PREPLANT	38 b	21 b	8 e	0 c	0 a
10	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PEGGING	40 ab	24 ab	24 cd	4 c	0 a
11	NONTREATED						0 c	0 c	0 f	0 c	0 a
LSD (P=.05)							10.8	6.8	7.5	4.8	0.0
Standard Deviation							7.5	4.7	5.2	3.3	0.0
CV							20.53	22.88	35.55	71.38	0.0
Grand Mean							36.36	20.45	14.55	4.66	0.0
Replicate F							0.761	1.799	0.283	2.243	0.000
Replicate Prob(F)							0.5249	0.1686	0.8370	0.1036	1.0000
Treatment F							12.946	9.664	30.348	17.301	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							6/7/11	8/3/11	8/3/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	CM	LB/A
Trt-Eval Interval							49 DAPEG	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	20	23
1	BOMBARD	0.30	lb ai/a	96	oz/a	PREPLANT	0 a	87 ab	7531 a
2	BOMBARD	0.40	lb ai/a	128	oz/a	PREPLANT	0 a	87 ab	8039 a
3	BOMBARD	0.60	lb ai/a	192	oz/a	PREPLANT	0 a	87 ab	7334 a
4	BOMBARD	1.20	lb ai/a	384	oz/a	PREPLANT	0 a	87 ab	7122 a
5	BOMBARD	0.30	lb ai/a	96	oz/a	PEGGING	0 a	91 a	6711 a
6	BOMBARD	0.40	lb ai/a	128	oz/a	PEGGING	0 a	90 ab	8019 a
7	BOMBARD	0.60	lb ai/a	192	oz/a	PEGGING	0 a	88 ab	8352 a
8	BOMBARD	1.20	lb ai/a	384	oz/a	PEGGING	0 a	86 b	7774 a
9	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PREPLANT	0 a	86 ab	7687 a
10	COMMAND-IMPREG.	0.40	lb ai/a	17	fl oz/a	PEGGING	0 a	90 ab	7692 a
11	NONTREATED						0 a	88 ab	7368 a
LSD (P=.05)							0.0	4.7	1669.6
Standard Deviation							0.0	3.3	1156.3
CV							0.0	3.73	15.21
Grand Mean							0.0	87.75	7602.71
Replicate F							0.000	3.552	4.723
Replicate Prob(F)							1.0000	0.0260	0.0081
Treatment F							0.000	0.970	0.636
Treatment Prob(F)							1.0000	0.4885	0.7712

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Evaluation of Sharpen Tank-mixed with Rice Herbicides

Experiment number ..... : **C11-04**
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 ..... : 04/04/11
Harvest date ..... : 08/03/11
Crop/Variety ..... : CL 131
Emergence date ..... : 04/19/11
Uniform std. treatment ..... : N/A

Application type ..... : EPOST
Date applied [mm/dd/yy] ..... : 05/02/11
Time [hh:mm-hh:mm] ..... : 8:25-8:40A
Incorporation equip./Depth ..... : N/A
Air/Soil temperature [F] ..... : 78/76
Relative humidity [%] ..... : 84
Wind [mph, direction] ..... : 5-7,SE
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist ..... : dry/dry
Crop stage/Height ..... : 3-5lf/3-5"
Sprayer type/MPH ..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/23
Applied by ..... : EPW

Weed Species (population) ..... : -(height/#leaves)-
BRAPP(100-125m^{-2}) ..... : ½-3"/1-4lf
ECHCG(100-125m^{-2})..... : ½-3"/1-4lf
AESIN(15-30m^{-2}) ..... : ½-3"/cot-5lf
ALRPH(5-8m^{-2}) ..... : 2-6"/4-15lf
CYPES(2-3m^{-2}) ..... : 4-6"/3-6lf
CYPIR(30-50m^{-2}) ..... : ½-1"/1-3lf

Flush Dates ..... : 4/7/11, 4/20/11, 5/11/11
Permanent Flood ..... : 5/19/11

*AMFF – Air mix flat fan nozzles

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Evaluation of Sharpen Tank-mixed with Rice Herbicides

Trial ID: C11-04 Protocol ID: C11-04
Location: RRS-Crowley, LA Study Director:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code						ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	BRAPP
	Rating Date						5/11/11	5/24/11	6/6/11	5/11/11	5/24/11	6/6/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%	%
	Trt-Eval Interval						9 DAT	22 DAT	35 DAT	9 DAT	22 DAT	35 DAT
	Number of Decimals						0	0	0	0	0	0
1	NONTREATED						0 f	0 f	0 g	0 g	0 f	0 f
2	SHARPEN	0.5	fl oz/a	0.0111	lb ai/a	EPOST	70 d	40 e	20 f	63 e	48 d	40 d
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
3	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	91 c	60 d	30 e	79 d	75 c	70 c
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
4	AIM	2.0	fl oz/a	0.0313	lb ai/a	EPOST	40 e	31 e	18 f	40 f	35 e	21 e
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
5	BROADHEAD	10.7	oz wt/a	0.47	lb ai/a	EPOST	95 b	86 bc	45 d	91 bc	89 ab	78 bc
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
6	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	97 a	93 a	97 a	97 a	94 a
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
7	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	98 a	91 ab	98 a	98 a	95 a
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
8	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	89 abc	75 c	93 ab	97 a	90 a
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
9	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	92 ab	85 ab	98 a	97 a	94 a
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
10	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	94 bc	80 c	38 de	88 c	85 bc	70 c
	GRASP	2.15	fl oz/a	0.0336	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
11	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	95 b	93 ab	83 bc	95 ab	96 a	86 ab
	CLINCHER	15.0	fl oz/a	0.278	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
	LSD (P=.05)						2.6	9.4	9.6	5.3	10.2	10.3
	Standard Deviation						1.8	6.5	6.7	3.7	7.1	7.2
	CV						2.3	9.37	12.76	4.83	9.52	10.67
	Grand Mean						79.7	69.57	52.39	76.45	74.18	67.05
	Replicate F						1.213	1.281	1.709	1.571	2.860	4.341
	Replicate Prob(F)						0.3220	0.2987	0.1862	0.2169	0.0534	0.0118
	Treatment F						1206.354	99.693	102.008	283.678	85.664	82.556
	Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	ALRPH	ALRPH	ALRPH
Rating Date							5/11/11	5/24/11	6/6/11	5/11/11	5/24/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	9 DAT	22 DAT	35 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	NONTREATED						0 d	0 c	0 c	0 h	0 f	0 d
2	SHARPEN	0.5	fl oz/a	0.0111	lb ai/a	EPOST	91 c	98 a	90 a	41 g	13 de	15 bc
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
3	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	97 ab	98 a	90 a	65 ef	18 cde	20 bc
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
4	AIM	2.0	fl oz/a	0.0313	lb ai/a	EPOST	95 b	97 b	45 b	60 f	15 cde	10 cd
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
5	BROADHEAD	10.7	oz wt/a	0.47	lb ai/a	EPOST	97 ab	98 a	93 a	75 cd	20 cd	23 b
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
6	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	98 a	95 a	80 bc	35 ab	25 ab
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
7	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	98 a	95 a	86 ab	38 ab	35 a
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
8	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	98 a	95 a	78 cd	23 c	25 ab
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
9	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	98 a	95 a	91 a	43 a	35 a
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
10	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	97 a	98 a	93 a	71 de	33 b	20 bc
	GRASP	2.15	fl oz/a	0.0336	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
11	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	97 a	98 a	95 a	65 ef	10 e	10 cd
	CLINCHER	15.0	fl oz/a	0.278	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
LSD (P=.05)							1.7	0.7	5.8	6.5	9.6	10.6
Standard Deviation							1.2	0.5	4.0	4.5	6.6	7.4
CV							1.32	0.51	4.96	6.92	29.71	37.2
Grand Mean							87.8	89.02	80.45	64.77	22.27	19.77
Replicate F							2.449	1.000	1.524	2.453	17.785	5.868
Replicate Prob(F)							0.0829	0.4064	0.2285	0.0826	0.0001	0.0028
Treatment F							2532.595	17048.646	232.829	129.000	15.810	8.361
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							5/11/11	5/24/11	6/6/11	5/11/11	5/24/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	9 DAT	22 DAT	35 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	NONTREATED						0 g	0 f	0 e	0 f	0 b	0 c
2	SHARPEN	0.5	fl oz/a	0.0111	lb ai/a	EPOST	50 f	10 e	10 d	63 e	98 a	95 ab
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
3	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	61 de	18 e	10 d	90 c	98 a	94 b
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
4	AIM	2.0	fl oz/a	0.0313	lb ai/a	EPOST	49 f	10 e	10 d	83 d	98 a	94 b
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
5	BROADHEAD	10.7	oz wt/a	0.47	lb ai/a	EPOST	60 e	10 e	13 d	90 c	98 a	96 a
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
6	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	71 c	30 d	28 c	95 ab	98 a	95 ab
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
7	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	97 a	94 a	91 a	98 a	98 a	95 ab
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST						
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
8	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	86 b	81 b	88 a	95 ab	98 a	95 ab
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
9	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	98 a	97 a	93 a	98 a	98 a	95 ab
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST						
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
10	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	70 cd	70 c	40 b	93 bc	98 a	95 ab
	GRASP	2.15	fl oz/a	0.0336	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
11	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	63 cde	15 e	10 d	91 bc	98 a	95 ab
	CLINCHER	15.0	fl oz/a	0.278	lb ai/a	EPOST						
	MSO	1.0	% v/v	1.0	% v/v	EPOST						
LSD (P=.05)							9.1	8.5	8.4	4.1	0.0	1.6
Standard Deviation							6.3	5.9	5.8	2.8	0.0	1.1
CV							9.83	14.85	16.3	3.5	0.0	1.26
Grand Mean							64.11	39.48	35.57	81.25	89.09	86.2
Replicate F							2.635	0.350	0.603	0.683	0.000	2.481
Replicate Prob(F)							0.0679	0.7894	0.6180	0.5692	1.0000	0.0801
Treatment F							74.419	165.771	161.144	407.012	0.000	2767.846
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/11/11	5/24/11	6/6/11	8/3/11	8/3/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	cm	LB/A
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	24	27
1	NONTREATED						0 f	0 a	0 a	70 d	0 e
2	SHARPEN	0.5	fl oz/a	0.0111	lb ai/a	EPOST	16 e	0 a	0 a	67 d	0 e
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
3	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	25 de	0 a	0 a	73 d	0 e
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
4	AIM	2.0	fl oz/a	0.0313	lb ai/a	EPOST	14 e	0 a	0 a	73 d	0 e
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
5	BROADHEAD	10.7	oz wt/a	0.47	lb ai/a	EPOST	16 e	0 a	0 a	84 c	2955 d
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
6	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	53 a	0 a	3 a	97 a	6269 a
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
7	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	49 ab	0 a	0 a	97 a	6266 a
	DRIVE XLR8	37.5	fl oz/a	0.44	lb ai/a	EPOST					
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
8	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	33 cd	0 a	3 a	89 bc	5077 bc
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
9	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	36 bcd	0 a	0 a	94 ab	5381 ab
	PERMIT	1.0	oz wt/a	0.047	lb ai/a	EPOST					
	NEWPATH	4.0	fl oz/a	0.0625	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
10	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	40 abc	0 a	1 a	84 c	4010 cd
	GRASP	2.15	fl oz/a	0.0336	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
11	SHARPEN	1.0	fl oz/a	0.0223	lb ai/a	EPOST	26 de	0 a	1 a	91 abc	6367 a
	CLINCHER	15.0	fl oz/a	0.278	lb ai/a	EPOST					
	MSO	1.0	% v/v	1.0	% v/v	EPOST					
LSD (P=.05)							12.8	0.0	3.0	7.5	1178.6
Standard Deviation							8.9	0.0	2.1	5.2	816.3
CV							31.76	0.0	300.74	6.2	24.72
Grand Mean							27.95	0.0	0.68	83.4	3302.35
Replicate F							7.179	0.000	4.865	5.308	1.240
Replicate Prob(F)							0.0009	1.0000	0.0071	0.0047	0.3127
Treatment F							12.881	0.000	1.000	18.964	47.242
Treatment Prob(F)							0.0001	1.0000	0.4654	0.0001	0.0001

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Sharpen plus Adjuvant Tank Mixtures

Experiment number	**C11-05**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	04/05/11	05/04/11
Time [hh:mm-hh:mm]	10:35-10:40A	11:00-11:30A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	57/60	67/65
Relative humidity [%]	60	44
Wind [mph, direction]	2-7,N	7-9,NE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry
Crop stage/Height	N/A	3-5lf/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	15/25
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
ECHCG(30-40m^{-2})	1-3"/1-4lf
BRAPP(60-80m^{-2})	½-4"/1-4lf
AESIN(40-50m^{-2})	1-3"/1-4lf
ALRPH(4-6m^{-2})	4-8"/20-40lf
CYPES(2-3m^{-2})	4-6"/3-6lf
CYPIR(30-50m^{-2})	½-1"/1-3lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Sharpen plus Adjuvant Tank Mixtures

Trial ID: C11-05 Protocol ID: C11-05
Location: RRS-Crowley, LA Study Director:

Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	BRAPP
Rating Date							5/11/11	5/25/11	6/6/11	5/11/11	5/25/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							7 DAT	21 DAT	33 DAT	7 DAT	21 DAT	33 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	79 d	68 c	43 e	65 c	68 b	43 cd
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	89 ab	61 d	78 b	89 a	53 c
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	94 a	85 ab	86 ab	93 a	88 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 ab	95 a	91 a	93 a	94 a	91 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 bc	93 a	75 bc	80 b	89 a	78 b
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	91 a	86 a	86 ab	91 a	86 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	No surfactant											
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	95 a	83 ab	93 a	94 a	85 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	90 ab	88 a	86 ab	89 a	85 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	93 a	93 a	95 a	93 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	94 a	89 a	93 a	94 a	91 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 cd	81 b	68 cd	51 d	45 c	35 d
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 e	48 d	43 e	41 d	45 c	38 d
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
13	Nontreated						0 f	0 e	0 f	0 e	0 d	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
LSD (P=.05)							7.2	9.3	10.7	10.6	8.5	10.9
Standard Deviation							5.1	6.5	7.5	7.4	5.9	7.6
CV							6.25	8.16	10.8	10.17	7.83	11.43
Grand Mean							81.1	79.33	69.42	72.67	75.67	66.44
Replicate F							0.225	0.470	0.605	0.134	0.160	2.474
Replicate Prob(F)							0.8786	0.7050	0.6163	0.9394	0.9227	0.0772
Treatment F							122.395	72.501	52.061	55.103	95.546	61.015
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	ALRPH	ALRPH	ALRPH
Rating Date							5/11/11	5/25/11	6/6/11	5/11/11	5/25/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							7 DAT	21 DAT	33 DAT	7 DAT	21 DAT	33 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	95 a	94 a	58 f	10 cd	10 bc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	95 a	95 a	71 bcd	13 bc	20 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 ab	95 a	95 a	71 bcd	10 cd	20 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	95 a	73 a-d	13 bc	20 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	95 a	95 a	68 cde	10 cd	20 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	96 a	70 bcd	18 abc	25 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	No surfactant											
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	95 a	95 a	75 abc	23 ab	20 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	95 a	95 a	78 ab	15 bc	20 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	95 a	80 a	28 a	24 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	95 a	74 a-d	20 abc	18 ab
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 b	95 a	95 a	66 de	20 abc	20 ab
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	79 c	88 b	40 b	61 ef	15 bc	10 bc
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
13	Nontreated						0 d	0 c	0 c	0 g	0 d	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
LSD (P=.05)							4.5	3.5	4.6	8.7	10.1	13.6
Standard Deviation							3.2	2.5	3.2	6.1	7.1	9.5
CV							3.63	2.82	3.89	9.33	47.96	54.69
Grand Mean							87.37	87.29	83.42	64.9	14.81	17.4
Replicate F							1.794	1.248	1.441	1.133	2.377	1.406
Replicate Prob(F)							0.1657	0.3069	0.2470	0.3489	0.0860	0.2568
Treatment F							283.926	457.324	325.671	45.665	3.839	2.052
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0008	0.0478

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Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR	CYPIR
Rating Date							5/11/11	5/25/11	6/6/11	5/11/11	5/25/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							7 DAT	21 DAT	33 DAT	7 DAT	21 DAT	33 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	54 b-e	10 de	10 fg	80 c	95 b	95 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	53 cde	10 de	15 def	88 ab	95 b	95 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	63 a-d	25 c	20 c-f	88 ab	97 a	95 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	70 a	25 c	33 b	90 a	95 b	95 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	63 a-d	13 d	20 c-f	89 ab	95 b	95 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	70 a	38 b	23 b-e	88 ab	95 b	95 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	No surfactant											
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	66 ab	40 b	25 bcd	91 a	96 ab	95 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	64 abc	25 c	20 c-f	88 ab	95 b	95 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	68 a	55 a	45 a	93 a	97 a	95 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	60 a-d	38 b	30 bc	89 ab	97 a	95 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST						
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 de	10 de	13 ef	83 bc	95 b	95 a
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	41 e	10 de	10 fg	49 d	96 ab	95 a
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST						
	No surfactant											
13	Nontreated						0 f	0 e	0 g	0 e	0 c	0 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
LSD (P=.05)							13.0	11.6	12.2	7.3	1.5	0.0
Standard Deviation							9.1	8.1	8.5	5.1	1.0	0.0
CV							16.46	35.48	42.3	6.58	1.16	0.0
Grand Mean							55.38	22.88	20.19	77.88	88.15	87.69
Replicate F							0.540	0.263	4.102	4.171	0.881	0.000
Replicate Prob(F)							0.6578	0.8519	0.0133	0.0124	0.4602	1.0000
Treatment F							16.821	15.477	7.278	102.549	2679.055	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/11/11	5/25/11	6/6/11	8/3/11	8/3/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	CM	LB/A
Trt-Eval Interval							7 DAT	21 DAT	33 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	25	28
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	19 efg	0 e	0 c	89 b	4685 bc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST					
	No surfactant										
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	40 cd	5 cde	0 c	92 ab	5448 bc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST					
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	23 efg	1 e	0 c	95 ab	7981 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	58 b	10 bcd	4 bc	98 a	7618 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST					
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	26 def	5 cde	1 bc	97 ab	4965 bc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST					
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	33 cde	4 de	1 bc	96 ab	7844 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	No surfactant										
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	75 a	13 bc	6 b	95 ab	5833 b
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	46 bc	4 de	0 c	92 ab	4575 bc
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	81 a	33 a	20 a	97 ab	4684 bc
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	79 a	18 b	6 b	94 ab	5774 bc
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	16 fg	1 e	0 c	90 ab	5035 bc
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	11 gh	0 e	0 c	89 b	4384 c
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST					
	No surfactant										
13	Nontreated						0 h	0 e	0 c	90 ab	1275 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
LSD (P=.05)							14.3	8.5	5.3	8.6	1439.6
Standard Deviation							10.0	6.0	3.7	6.0	1007.4
CV							25.65	83.76	124.55	6.41	18.68
Grand Mean							38.94	7.12	2.98	93.38	5392.38
Replicate F							2.715	6.298	2.360	1.210	0.842
Replicate Prob(F)							0.0591	0.0015	0.0876	0.3200	0.4800
Treatment F							29.230	9.776	9.186	1.099	12.470
Treatment Prob(F)							0.0001	0.0001	0.0001	0.3906	0.0001

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Newpath and RiceBeaux Synergism Study

Experiment number	**C11-06**
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	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type	PRE	EPOST
Date applied [mm/dd/yy]	04/05/11	05/02/11
Time [hh:mm-hh:mm]	12:15-12:30P	12:30-12:45P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	62/65	82/86
Relative humidity [%]	47	67
Wind [mph, direction]	1-7,NE	5-7,S
Weather [sunny, etc]	sunny	pt cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	1-3lf/1-3"
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	15/23
Applied by	EPW	JCF

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA(15-30m^{-2})		1-3"/1-3lf
ECHCG(50-75m^{-2})		½-3"/1-4lf
BRAPP(50-75m^{-2})	½-3"/1-4lf	
CYPES(20-30m^{-2})		3-6"/3-6lf
SEBEX(2-4m^{-2})		2-4"/2-5lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Newpath and RiceBeaux Synergism Study

Trial ID: C11-06 Protocol ID: C11-06
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	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							5/18/11	5/23/11	6/6/11	6/20/11	5/18/11	5/23/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	21 DAT	35 DAT	49 DAT	16 DAT	21 DAT
Number of Decimals							0	0	0	0	0	0
1	No Newpath						0 d	0 e	0 d	0 d	0 j	0 h
	No Mixture											
2	No Newpath						0 d	0 e	0 d	0 d	25 i	14 g
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
3	No Newpath						0 d	4 d	6 b	5 c	28 hi	20 ef
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
4	No Newpath						0 d	4 d	5 bc	4 cd	30 gh	21 ef
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
5	No Newpath						0 d	1 de	1 cd	5 c	24 i	24 de
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
6	No Newpath						0 d	0 e	1 cd	4 cd	34 g	16 fg
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
7	No Newpath						0 d	0 e	1 cd	1 cd	41 f	29 d
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 c	91 b	94 a	93 ab	81 e	84 b
	No Mixture											
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	96 a	95 a	95 ab	96 ab	94 a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	98 a	97 a	98 a	97 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 bc	90 bc	96 a	91 b	88 d	81 bc
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	88 c	94 a	93 ab	91 cd	76 c
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 bc	90 bc	94 a	93 ab	90 cd	85 b
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	96 ab	91 b	95 a	91 b	92 bc	93 a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
LSD (P=.05)							2.5	3.2	4.3	4.7	4.2	5.0
Standard Deviation							1.8	2.2	3.0	3.3	2.9	3.5
CV							3.66	4.82	6.16	6.86	5.02	6.68
Grand Mean							47.84	46.57	48.54	47.88	58.36	52.43
Replicate F							1.355	1.996	0.397	1.150	4.453	3.562
Replicate Prob(F)							0.2708	0.1305	0.7558	0.3412	0.0088	0.0227
Treatment F							3212.999	1763.041	1039.734	817.568	572.162	446.299
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date							6/6/11	6/20/11	5/18/11	5/23/11	6/6/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							35 DAT	49 DAT	16 DAT	21 DAT	35 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	No Newpath						0 g	0 f	0 f	0 f	0 d	0 c
	No Mixture											
2	No Newpath						5 fg	0 f	33 e	11 e	13 cd	98 ab
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
3	No Newpath						13 ef	5 e	35 de	24 d	16 c	98 ab
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
4	No Newpath						10 ef	3 ef	31 e	28 d	18 c	97 b
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
5	No Newpath						13 ef	0 f	38 cd	31 d	31 b	98 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
6	No Newpath						8 efg	0 f	40 c	28 d	15 c	98 a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
7	No Newpath						14 e	0 f	41 c	45 c	44 b	98 ab
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	80 cd	78 d	84 b	91 ab	98 a	98 ab
	No Mixture											
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	91 b	97 a	97 a	98 a	98 ab
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	97 a	96 a	97 a	98 a	98 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	83 cd	86 c	94 a	91 ab	98 a	98 ab
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	78 d	88 bc	94 a	87 b	98 a	98 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 bc	90 bc	95 a	85 b	98 a	98 ab
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	91 ab	90 bc	96 a	95 a	98 a	98 ab
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
LSD (P=.05)							7.9	4.5	5.0	7.6	12.9	0.9
Standard Deviation							5.5	3.2	3.5	5.3	9.0	0.7
CV							11.41	7.09	5.61	9.13	15.32	0.72
Grand Mean							48.18	44.8	62.34	57.89	58.73	90.73
Replicate F							1.346	2.492	0.890	1.662	0.197	1.599
Replicate Prob(F)							0.2735	0.0743	0.4549	0.1909	0.8981	0.2052
Treatment F							226.953	823.243	378.079	195.271	86.539	6372.543
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							SEBEX	SEBEX	SEBEX	AESIN	AESIN	AESIN
Rating Date							5/18/11	6/6/11	6/20/11	5/18/11	6/6/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	35 DAT	49 DAT	16 DAT	35 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	No Newpath						0 c	0 c	0 c	0 e	0 c	0 c
	No Mixture											
2	No Newpath						98 a	98 a	98 a	98 ab	98 a	98 a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
3	No Newpath						98 a	98 a	98 a	97 ab	98 a	98 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
4	No Newpath						98 a	97 a	98 a	97 b	97 ab	98 a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
5	No Newpath						98 a	97 a	98 a	98 ab	94 ab	98 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
6	No Newpath						98 a	96 a	98 a	97 ab	98 a	96 ab
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
7	No Newpath						98 a	98 a	98 a	98 ab	97 ab	98 a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 b	94 ab	97 b	90 d	93 ab	98 a
	No Mixture											
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	96 a	98 a	95 c	92 b	96 ab
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	98 a	98 a	98 a	98 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	98 a	98 a	98 a	98 a	98 a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST						
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	98 a	98 ab	96 ab	97 ab
	Propanil	1.5	lb ai/a	3	pt/a	EPOST						
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	92 b	98 a	98 ab	97 ab	98 a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST						
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	98 a	98 ab	94 ab	95 b
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST						
LSD (P=.05)							1.2	4.3	0.6	0.9	5.8	2.7
Standard Deviation							0.8	3.0	0.4	0.6	4.1	1.9
CV							0.91	3.37	0.44	0.69	4.57	2.09
Grand Mean							90.54	89.8	90.95	89.91	89.25	90.46
Replicate F							1.590	1.790	1.000	2.760	1.342	0.538
Replicate Prob(F)							0.2074	0.1650	0.4031	0.0550	0.2749	0.6588
Treatment F							4037.071	294.171	17054.677	6985.912	159.597	757.985
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	CYPES	CYPES	RICE	RICE	RICE
Rating Date							5/18/11	5/23/11	6/6/11	6/20/11	5/18/11	5/23/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							16 DAT	21 DAT	35 DAT	49 DAT	16 DAT	21 DAT	35 DAT
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24	25
1	No Newpath						0 f	0 c	0 b	0 c	0 b	0 a	0 a
	No Mixture												
2	No Newpath						93 abc	95 a	98 a	97 ab	0 b	0 a	0 a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST							
3	No Newpath						94 ab	96 a	97 a	98 a	4 a	0 a	0 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST							
4	No Newpath						95 ab	95 a	95 a	98 a	4 a	0 a	0 a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST							
5	No Newpath						90 bcd	93 a	95 a	98 a	0 b	0 a	0 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST							
6	No Newpath						81 e	80 b	97 a	98 a	3 ab	0 a	0 a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST							
7	No Newpath						96 a	95 a	95 a	98 a	4 a	0 a	0 a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST							
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	91 a-d	94 a	96 a	98 a	0 b	0 a	0 a
	No Mixture												
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 cd	93 a	98 a	98 a	0 b	3 a	0 a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST							
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 cd	93 a	98 a	97 ab	3 ab	1 a	0 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST							
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 cd	92 a	95 a	98 a	0 b	3 a	0 a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST							
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	96 a	98 a	98 a	1 ab	1 a	0 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST							
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	91 a-d	94 a	96 a	98 a	0 b	1 a	0 a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST							
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 d	93 a	98 a	96 b	3 ab	1 a	0 a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST							
LSD (P=.05)							5.0	8.0	4.2	1.7	2.6	2.1	0.0
Standard Deviation							3.5	5.6	3.0	1.2	1.8	1.5	0.0
CV							4.12	6.46	3.3	1.35	125.32	203.18	0.0
Grand Mean							84.14	86.27	89.66	90.66	1.43	0.71	0.0
Replicate F							1.218	0.529	0.366	0.615	2.600	6.783	0.000
Replicate Prob(F)							0.3161	0.6650	0.7777	0.6092	0.0658	0.0009	1.0000
Treatment F							200.085	81.358	304.925	1817.237	3.257	1.696	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0021	0.1009	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							6/20/11	8/8/11	8/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB
Trt-Eval Interval							49 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	30	33
1	No Newpath						0 a	68 de	2123 d
	No Mixture								
2	No Newpath						0 a	74 d	3877 bc
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST			
3	No Newpath						0 a	81 c	4772 b
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST			
4	No Newpath						0 a	70 de	3247 cd
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST			
5	No Newpath						0 a	72 d	2987 cd
	Propanil	1.5	lb ai/a	3	pt/a	EPOST			
6	No Newpath						0 a	65 e	2612 cd
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST			
7	No Newpath						0 a	72 d	3085 cd
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST			
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	85 bc	6637 a
	No Mixture								
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	91 ab	6342 a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST			
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	94 a	7593 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST			
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	88 ab	7077 a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST			
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	90 ab	6931 a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST			
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	88 ab	6315 a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST			
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	89 ab	7216 a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST			
LSD (P=.05)							0.0	6.7	1470.0
Standard Deviation							0.0	4.7	1028.7
CV							0.0	5.82	20.34
Grand Mean							0.0	80.46	5057.97
Replicate F							0.000	1.403	0.232
Replicate Prob(F)							1.0000	0.2563	0.8738
Treatment F							0.000	18.508	15.100
Treatment Prob(F)							1.0000	0.0001	0.0001

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Beyond and RiceBeaux Synergism Study

Experiment number	**C11-07**
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	08/08/11
Harvest date	04/29/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type	PRE	EPOST
Date applied [mm/dd/yy]	04/05/11	05/02/11
Time [hh:mm-hh:mm]	12:00-12:15P	12:45-1:00P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	62/65	82/80
Relative humidity [%]	47	67
Wind [mph, direction]	1-7,NE	5-7,S
Weather [sunny, etc]	sunny	pt cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	2-3lf/2-3"
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	15/23
Applied by	EPW	JCF

Weed Species (population)	---------- (height/#leaves) ----------
ORYSA(15-30m^{-2})	1-3"/1-3lf
ECHCG(50-75m^{-2})	½-3"/1-4lf
BRAPP(50-75m^{-2})	½-3"/1-4lf
CYPES(20-30m^{-2})	3-6"/3-6lf
SEBEX(2-4m^{-2})	2-4"/2-5lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Beyond and RiceBeaux Synergism Study

Trial ID: C11-07 Protocol ID: C11-07
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6	7
	Pest Code						ORYSA	ORYSA	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
	Rating Date						5/18/11	5/23/11	6/7/11	6/20/11	5/18/11	5/23/11	6/7/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%	%	%
	Trt-Eval Interval						16 DAT	21 DAT	35 DAT	49 DAT	16 DAT	21 DAT	35 DAT
	Number of Decimals						0	0	0	0	0	0	0
1	No Beyond No Mixture						0 f	0 d	0 c	0 e	0 g	0 d	0 f
2	No Beyond RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST	0 f	6 cd	8 b	0 e	21 f	13 c	14 de
3	No Beyond RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST	5 e	5 cd	6 bc	0 e	31 d	14 c	13 e
4	No Beyond Propanil	0.75	lb ai/a	1.5	pt/a	EPOST	0 f	10 bc	9 b	0 e	26 e	16 c	19 bcd
5	No Beyond Propanil	1.5	lb ai/a	3	pt/a	EPOST	0 f	5 cd	8 b	0 e	40 c	20 c	15 cde
6	No Beyond Bolero	0.75	lb ai/a	0.75	pt/a	EPOST	0 f	8 c	9 b	0 e	23 ef	16 c	20 bc
7	No Beyond Bolero	1.5	lb ai/a	1.5	pt/a	EPOST	0 f	15 b	9 b	0 e	33 d	19 c	23 b
8	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	89 d	93 a	95 a	93 c	90 b	88 ab	93 a
9	Beyond RiceBeaux	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	95 abc	96 a	96 a	96 ab	90 b	91 ab	97 a
10	Beyond RiceBeaux	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	98 a	97 a	98 a	97 a	95 a	95 a	98 a
11	Beyond Propanil	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	94 c	91 a	94 a	89 d	90 b	86 b	94 a
12	Beyond Propanil	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	97 ab	91 a	95 a	89 d	91 ab	89 ab	98 a
13	Beyond Bolero	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	94 c	93 a	97 a	95 bc	91 ab	90 ab	95 a
14	Beyond Bolero	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	95 bc	93 a	92 a	94 bc	93 ab	85 b	98 a
	LSD (P=.05)						3.1	7.3	7.1	2.5	4.4	8.1	5.8
	Standard Deviation						2.1	5.1	5.0	1.8	3.1	5.7	4.1
	CV						4.52	10.23	9.77	3.83	5.28	11.05	7.31
	Grand Mean						47.61	50.18	50.93	46.52	58.14	51.45	55.41
	Replicate F						0.273	1.427	0.187	0.411	2.004	0.687	0.674
	Replicate Prob(F)						0.8444	0.2494	0.9048	0.7463	0.1293	0.5654	0.5734
	Treatment F						2054.577	306.911	340.376	2941.835	540.607	190.712	442.566
	Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	BRAPP	CYPES	CYPES
Rating Date							6/20/11	5/18/11	5/23/11	6/7/11	6/20/11	5/18/11	5/23/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							49 DAT	16 DAT	21 DAT	35 DAT	49 DAT	16 DAT	21 DAT
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	8	9	10	11	12	13	14
1	No Beyond No Mixture						0 d	0 f	0 e	0 c	0 b	0 f	0 b
2	No Beyond RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST	1 d	35 d	21 cd	98 a	98 a	84 e	86 a
3	No Beyond RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST	3 d	10 e	18 d	98 a	98 a	88 cde	85 a
4	No Beyond Propanil	0.75	lb ai/a	1.5	pt/a	EPOST	0 d	30 d	26 cd	98 a	98 a	86 de	83 a
5	No Beyond Propanil	1.5	lb ai/a	3	pt/a	EPOST	4 d	51 b	70 b	98 a	98 a	94 ab	88 a
6	No Beyond Bolero	0.75	lb ai/a	0.75	pt/a	EPOST	1 d	30 d	30 c	97 ab	98 a	91 abc	84 a
7	No Beyond Bolero	1.5	lb ai/a	1.5	pt/a	EPOST	0 d	44 c	23 cd	98 a	98 a	94 ab	84 a
8	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	89 c	95 a	97 a	98 a	98 a	90 bcd	85 a
9	Beyond RiceBeaux	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	95 a	94 a	98 a	97 b	98 a	93 ab	84 a
10	Beyond RiceBeaux	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	96 a	97 a	98 a	98 a	98 a	95 a	81 a
11	Beyond Propanil	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	90 bc	93 a	94 a	98 a	98 a	93 ab	79 a
12	Beyond Propanil	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	89 c	97 a	97 a	98 a	98 a	95 a	84 a
13	Beyond Bolero	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	93 abc	91 a	95 a	98 ab	98 a	88 cde	85 a
14	Beyond Bolero	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	94 ab	97 a	95 a	98 ab	98 a	93 ab	83 a
LSD (P=.05)							4.1	6.3	12.4	0.8	0.4	4.3	9.0
Standard Deviation							2.9	4.4	8.7	0.6	0.3	3.0	6.3
CV							6.19	7.13	14.09	0.64	0.3	3.54	8.14
Grand Mean							46.64	61.73	61.55	90.84	90.93	84.34	77.77
Replicate F							0.737	0.252	2.695	1.038	0.650	1.990	1.923
Replicate Prob(F)							0.5364	0.8597	0.0591	0.3865	0.5877	0.1313	0.1418
Treatment F							1067.224	276.061	80.491	8082.029	37397.555	269.017	50.458
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	RICE	RICE	RICE	RICE	RICE
Rating Date							6/7/11	6/20/11	5/18/11	5/23/11	6/7/11	6/20/11	8/8/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	%	%	%	cm
Trt-Eval Interval							35 DAT	49 DAT	16 DAT	21 DAT	35 DAT	49 DAT	HARVEST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	15	16	17	18	19	20	24
1	No Beyond No Mixture						0 c	0 c	0 b	0 a	0 a	0 a	69 c
2	No Beyond RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST	98 ab	98 a	1 ab	0 a	0 a	0 a	77 b
3	No Beyond RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST	97 ab	98 a	0 b	0 a	0 a	0 a	76 bc
4	No Beyond Propanil	0.75	lb ai/a	1.5	pt/a	EPOST	98 a	98 a	0 b	0 a	0 a	0 a	72 bc
5	No Beyond Propanil	1.5	lb ai/a	3	pt/a	EPOST	95 b	98 a	3 a	0 a	0 a	0 a	75 bc
6	No Beyond Bolero	0.75	lb ai/a	0.75	pt/a	EPOST	96 ab	98 a	0 b	0 a	0 a	0 a	73 bc
7	No Beyond Bolero	1.5	lb ai/a	1.5	pt/a	EPOST	96 ab	98 a	3 a	0 a	0 a	0 a	71 bc
8	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	97 ab	98 a	0 b	0 a	0 a	0 a	89 a
9	Beyond RiceBeaux	0.039 0.75	lb ai/a lb ai/a	5 2	fl oz/a pt/a	EPOST EPOST	98 a	98 a	0 b	0 a	0 a	0 a	92 a
10	Beyond RiceBeaux	0.039 1.5	lb ai/a lb ai/a	5 4	fl oz/a pt/a	EPOST EPOST	98 a	98 a	0 b	0 a	0 a	0 a	92 a
11	Beyond Propanil	0.039 0.75	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	98 a	98 a	0 b	0 a	0 a	0 a	86 a
12	Beyond Propanil	0.039 1.5	lb ai/a lb ai/a	5 3	fl oz/a pt/a	EPOST EPOST	98 a	98 a	3 a	0 a	0 a	0 a	88 a
13	Beyond Bolero	0.039 0.75	lb ai/a lb ai/a	5 0.75	fl oz/a pt/a	EPOST EPOST	97 ab	98 a	1 ab	0 a	0 a	0 a	91 a
14	Beyond Bolero	0.039 1.5	lb ai/a lb ai/a	5 1.5	fl oz/a pt/a	EPOST EPOST	96 ab	96 b	3 a	0 a	0 a	0 a	89 a
LSD (P=.05)							2.6	1.6	2.4	0.0	0.0	0.0	7.0
Standard Deviation							1.8	1.1	1.7	0.0	0.0	0.0	4.9
CV							2.05	1.2	185.64	0.0	0.0	0.0	6.06
Grand Mean							90.16	90.8	0.89	0.0	0.0	0.0	81.38
Replicate F							6.684	1.054	3.683	0.000	0.000	0.000	0.768
Replicate Prob(F)							0.0009	0.3797	0.0199	1.0000	1.0000	1.0000	0.5190
Treatment F							791.546	2293.306	1.900	0.000	0.000	0.000	12.634
Treatment Prob(F)							0.0001	0.0001	0.0611	1.0000	1.0000	1.0000	0.0001

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Pest Code								RICE
Rating Date								8/8/11
Rating Data Type								YIELD
Rating Unit								LB/A
Trt-Eval Interval								HARVEST
Number of Decimals								0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	27	
1	No Beyond						2273	c
	No Mixture							
2	No Beyond						3735	bc
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST		
3	No Beyond						4745	b
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST		
4	No Beyond						4445	b
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST		
5	No Beyond						3234	bc
	Propanil	1.5	lb ai/a	3	pt/a	EPOST		
6	No Beyond						4020	b
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST		
7	No Beyond						3474	bc
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST		
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	6333	a
	No Mixture							
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	7508	a
	RiceBeaux	0.75	lb ai/a	2	pt/a	EPOST		
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	6635	a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST		
11	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	6557	a
	Propanil	0.75	lb ai/a	1.5	pt/a	EPOST		
12	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	6489	a
	Propanil	1.5	lb ai/a	3	pt/a	EPOST		
13	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	7865	a
	Bolero	0.75	lb ai/a	0.75	pt/a	EPOST		
14	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	7787	a
	Bolero	1.5	lb ai/a	1.5	pt/a	EPOST		
LSD (P=.05)							1539.2	
Standard Deviation							1077.0	
CV							20.08	
Grand Mean							5364.35	
Replicate F							3.176	
Replicate Prob(F)							0.0346	
Treatment F							12.021	
Treatment Prob(F)							0.0001	

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Newpath and Propanil Synergism Study

Experiment number	**C11-08**
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	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type	PRE	EPOST
Date applied [mm/dd/yy]	04/05/11	05/02/11
Time [hh:mm-hh:mm]	11:55-12:00P	12:45-1:00P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	62/65	84/80
Relative humidity [%]	47	64
Wind [mph, direction]	1-7,NE	5-7,S
Weather [sunny, etc]	sunny	cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	1-3lf/2-5"
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	15/25	15/23
Applied by	EPW	JCF

Weed Species (population)	---------- (height/#leaves) ----------
ORYSA(50-75m^{-2})	2-4"/1-4lf
ECHCG(75-100m^{-2})	1-4"/1-4lf
BRAPP(75-100m^{-2})	1-4"/1-4lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Newpath and Propanil Synergism Study

Trial ID: C11-08 Protocol ID: C11-08
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	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							5/18/11	5/24/11	6/7/11	6/21/11	5/18/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	22 DAT	36 DAT	50 DAT	16 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
1	No Newpath						0 d	0 c	0 d	0 c	0 g	0 d
	No Mixture											
2	No Newpath						0 d	0 c	10 c	0 c	20 f	21 b
	Propanil	1	lb ai/a	1	qt/a	EPOST						
3	No Newpath						0 d	0 c	10 c	0 c	33 e	16 bc
	Propanil	2	lb ai/a	2	qt/a	EPOST						
4	No Newpath						1 d	3 bc	10 c	0 c	50 d	23 b
	Propanil	3	lb ai/a	3	qt/a	EPOST						
5	No Newpath						3 d	9 b	8 c	0 c	68 c	11 c
	Propanil	4	lb ai/a	4	qt/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 c	91 a	93 b	88 ab	81 b	83 a
	No Mixture											
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 bc	90 a	95 ab	80 b	88 ab	90 a
	Propanil	1	lb ai/a	1	qt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	93 a	95 ab	89 a	88 ab	89 a
	Propanil	2	lb ai/a	2	qt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	95 a	96 ab	84 ab	91 a	90 a
	Propanil	3	lb ai/a	3	qt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	92 a	98 a	91 a	89 ab	90 a
	Propanil	4	lb ai/a	4	qt/a	EPOST						
LSD (P=.05)							3.2	7.1	4.6	8.6	8.1	10.0
Standard Deviation							2.2	4.9	3.2	5.9	5.6	6.9
CV							4.67	10.38	6.15	13.75	9.22	13.4
Grand Mean							47.5	47.2	51.53	43.13	60.63	51.25
Replicate F							0.122	1.898	1.138	2.198	0.660	3.554
Replicate Prob(F)							0.9463	0.1538	0.3513	0.1113	0.5841	0.0274
Treatment F							1980.079	375.081	862.161	236.060	140.352	132.642
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date							6/7/11	6/21/11	5/18/11	5/24/11	6/7/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							36 DAT	50 DAT	16 DAT	22 DAT	36 DAT	50 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	No Newpath						0 e	0 c	0 f	0 d	0 b	0 b
	No Mixture											
2	No Newpath						10 d	0 c	36 e	86 c	98 a	90 a
	Propanil	1	lb ai/a	1	qt/a	EPOST						
3	No Newpath						10 d	0 c	60 d	89 c	98 a	88 a
	Propanil	2	lb ai/a	2	qt/a	EPOST						
4	No Newpath						10 d	0 c	80 c	91 bc	98 a	90 a
	Propanil	3	lb ai/a	3	qt/a	EPOST						
5	No Newpath						21 c	0 c	80 c	90 c	98 a	88 a
	Propanil	4	lb ai/a	4	qt/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	74 b	90 b	97 a	98 a	90 a
	No Mixture											
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 b	75 b	91 ab	98 a	98 a	88 a
	Propanil	1	lb ai/a	1	qt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	75 b	95 ab	98 a	98 a	89 a
	Propanil	2	lb ai/a	2	qt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	73 b	96 ab	98 a	98 a	88 a
	Propanil	3	lb ai/a	3	qt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	86 a	97 a	95 ab	98 a	89 a
	Propanil	4	lb ai/a	4	qt/a	EPOST						
LSD (P=.05)							2.0	4.2	6.4	5.2	0.0	5.4
Standard Deviation							1.3	2.9	4.4	3.6	0.0	3.7
CV							2.52	7.63	6.13	4.24	0.0	4.64
Grand Mean							53.33	38.25	72.48	84.1	88.2	79.75
Replicate F							2.486	1.272	0.349	1.177	0.000	1.642
Replicate Prob(F)							0.0820	0.3039	0.7899	0.3368	1.0000	0.2030
Treatment F							4623.139	769.761	205.485	280.122	0.000	229.541
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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Pest Code							AESIN	AESIN	AESIN	ALRPH	ALRPH	ALRPH
Rating Date							5/18/11	5/24/11	6/21/11	5/18/11	5/24/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	22 DAT	50 DAT	16 DAT	22 DAT	36 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	No Newpath						0 c	0 c	0 d	0 e	0 e	0 d
	No Mixture											
2	No Newpath						98 a	96 a	93 a	14 d	60 d	94 abc
	Propanil	1	lb ai/a	1	qt/a	EPOST						
3	No Newpath						98 a	98 a	94 a	51 c	65 cd	95 ab
	Propanil	2	lb ai/a	2	qt/a	EPOST						
4	No Newpath						98 a	98 a	93 a	83 b	73 bc	90 c
	Propanil	3	lb ai/a	3	qt/a	EPOST						
5	No Newpath						98 a	98 a	93 a	93 a	80 ab	91 bc
	Propanil	4	lb ai/a	4	qt/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	36 b	41 b	38 c	94 a	88 a	94 ab
	No Mixture											
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	85 b	95 a	88 a	97 a
	Propanil	1	lb ai/a	1	qt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	94 a	94 a	89 a	97 a
	Propanil	2	lb ai/a	2	qt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	94 a	96 a	90 a	96 a
	Propanil	3	lb ai/a	3	qt/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	96 a	93 a	95 a	90 a	97 a
	Propanil	4	lb ai/a	4	qt/a	EPOST						
LSD (P=.05)							2.2	2.9	6.8	6.0	10.7	3.9
Standard Deviation							1.5	2.0	4.7	4.1	7.4	2.7
CV							1.85	2.41	6.06	5.76	10.24	3.18
Grand Mean							82.03	82.13	77.38	71.43	72.08	84.98
Replicate F							1.000	0.773	1.315	0.761	0.823	0.450
Replicate Prob(F)							0.4079	0.5193	0.2898	0.5260	0.4924	0.7192
Treatment F							2107.163	1171.033	188.861	318.528	55.697	490.788
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							6/21/11	5/18/11	5/24/11	6/7/11	6/21/11	8/8/11	8/8/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	%	%	cm	LB/A
Trt-Eval Interval							50 DAT	16 DAT	22 DAT	36 DAT	50 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	27	30
1	No Newpath						0 d	0 b	0 b	0 a	0 a	65 d	0 e
	No Mixture												
2	No Newpath						81 bc	0 b	0 b	0 a	0 a	67 d	920 de
	Propanil	1	lb ai/a	1	qt/a	EPOST							
3	No Newpath						85 abc	0 b	0 b	0 a	0 a	71 cd	1372 cd
	Propanil	2	lb ai/a	2	qt/a	EPOST							
4	No Newpath						89 ab	0 b	1 ab	0 a	0 a	79 bc	1959 cd
	Propanil	3	lb ai/a	3	qt/a	EPOST							
5	No Newpath						84 abc	0 b	0 b	0 a	0 a	80 b	2341 c
	Propanil	4	lb ai/a	4	qt/a	EPOST							
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 abc	0 b	1 ab	0 a	0 a	90 a	5591 ab
	No Mixture												
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	80 c	0 b	1 ab	0 a	0 a	89 a	4589 b
	Propanil	1	lb ai/a	1	qt/a	EPOST							
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 abc	0 b	1 ab	0 a	0 a	89 a	5440 b
	Propanil	2	lb ai/a	2	qt/a	EPOST							
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 abc	5 a	1 ab	0 a	0 a	89 a	6736 a
	Propanil	3	lb ai/a	3	qt/a	EPOST							
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 a	8 a	4 a	0 a	0 a	89 a	5447 b
	Propanil	4	lb ai/a	4	qt/a	EPOST							
LSD (P=.05)							8.5	4.6	2.9	0.0	0.0	8.0	1204.8
Standard Deviation							5.9	3.2	2.0	0.0	0.0	5.5	830.4
CV							7.67	254.15	199.54	0.0	0.0	6.86	24.14
Grand Mean							76.63	1.25	1.0	0.0	0.0	80.83	3439.55
Replicate F							1.080	1.734	4.605	0.000	0.000	1.583	0.682
Replicate Prob(F)							0.3740	0.1837	0.0100	1.0000	1.0000	0.2166	0.5707
Treatment F							85.072	2.890	1.326	0.000	0.000	12.326	32.681
Treatment Prob(F)							0.0001	0.0157	0.2700	1.0000	1.0000	0.0001	0.0001

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Beyond and Propanil Synergism Study

Experiment number..... : **C11-09**
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 ..... : 04/11/11
Harvest date..... : 08/08/11
Crop/Variety ..... : CL131
Emergence date..... : 04/29/11
Uniform std. treatment..... : Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/02/11
Time [hh:mm-hh:mm]..... : 12:45-1:00P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 84/80
Relative humidity [%]..... : 64
Wind [mph, direction] ..... : 5-7,S
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 1-3lf/2-5"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/23
Applied by..... : JCF

Weed Species (population) ..... :- (height/#leaves) -
ORYSA(50-75m^{-2})..... : 2-4"/1-4lf
ECHCG(75-100m^{-2})..... : 1-4"/1-4lf
BRAPP(75-100m^{-2})……..: 1-4"/1-4lf

Flush Dates ..... : 4/13/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/26/11

*AMFF – Air mix flat fan nozzles

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Beyond and Propanil Synergism Study

Trial ID: C11-09 Protocol ID: C11-09
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6	7
Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Rating Date							5/18/11	5/24/11	6/7/11	6/21/11	5/18/11	5/24/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							16 DAT	22 DAT	36 DAT	50 DAT	16 DAT	22 DAT	36 DAT
Number of Decimals							0	0	0	0	0	0	0
1	No Beyond No Mixture						0 d	0 d	0 e	0 c	0 f	0 f	0 d
2	No Beyond Propanil	1	lb ai/a	1	qt/a	EPOST	0 d	0 d	5 d	0 c	30 e	10 ef	10 cd
3	No Beyond Propanil	2	lb ai/a	2	qt/a	EPOST	0 d	0 d	10 c	0 c	34 e	16 e	10 cd
4	No Beyond Propanil	3	lb ai/a	3	qt/a	EPOST	0 d	9 c	11 bc	0 c	44 d	28 d	18 c
5	No Beyond Propanil	4	lb ai/a	4	qt/a	EPOST	0 d	0 d	15 b	0 c	64 c	48 c	35 b
6	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	90 c	90 ab	93 a	79 a	85 b	81 b	88 a
7	Beyond Propanil	0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	95 b	89 b	95 a	83 a	85 b	78 b	85 a
8	Beyond Propanil	0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	95 b	93 a	95 a	83 a	89 ab	88 ab	86 a
9	Beyond Propanil	0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	98 a	93 a	93 a	80 a	93 a	88 ab	85 a
10	Beyond Propanil	0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	98 a	93 a	95 a	74 b	93 a	93 a	93 a
LSD (P=.05)							0.0	3.7	4.5	4.3	5.7	10.0	10.3
Standard Deviation							0.0	2.6	3.1	3.0	3.9	6.9	7.1
CV							0.0	5.51	6.08	7.5	6.34	13.08	14.0
Grand Mean							47.6	46.5	51.13	39.75	61.5	52.75	50.95
Replicate F							0.000	1.775	3.063	1.781	2.524	0.368	1.260
Replicate Prob(F)							1.0000	0.1758	0.0450	0.1745	0.0787	0.7769	0.3077
Treatment F							0.000	1358.831	853.057	792.625	281.963	112.319	122.456
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	BRAPP	AESIN	AESIN
Rating Date							6/21/11	5/18/11	5/24/11	6/7/11	6/21/11	5/18/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							50 DAT	16 DAT	22 DAT	36 DAT	50 DAT	16 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	8	9	10	11	12	13	14
1	No Beyond No Mixture						0 e	0 h	0 e	0 e	0 f	0 c	0 c
2	No Beyond Propanil	 1	 lb ai/a	 1	 qt/a	 EPOST	0 e	43 g	49 d	48 d	43 e	98 a	97 a
3	No Beyond Propanil	 2	 lb ai/a	 2	 qt/a	 EPOST	0 e	63 f	51 d	50 d	46 e	98 a	98 a
4	No Beyond Propanil	 3	 lb ai/a	 3	 qt/a	 EPOST	0 e	74 e	63 c	56 c	51 d	98 a	98 a
5	No Beyond Propanil	 4	 lb ai/a	 4	 qt/a	 EPOST	0 e	85 d	84 b	73 b	63 c	98 a	98 a
6	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	78 c	90 c	97 a	97 a	90 a	56 b	48 b
7	Beyond Propanil	0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	80 bc	90 c	97 a	97 a	90 a	98 a	98 a
8	Beyond Propanil	0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	70 d	95 ab	98 a	98 a	90 a	98 a	98 a
9	Beyond Propanil	0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	86 a	93 bc	98 a	98 a	85 b	98 a	98 a
10	Beyond Propanil	0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	85 ab	97 a	98 a	98 a	90 a	98 a	97 a
LSD (P=.05)							5.5	4.4	3.7	3.7	4.2	2.2	1.6
Standard Deviation							3.8	3.0	2.5	2.5	2.9	1.5	1.1
CV							9.43	4.15	3.47	3.56	4.51	1.84	1.31
Grand Mean							39.88	72.85	73.4	71.4	64.75	83.98	83.0
Replicate F							0.280	0.120	1.120	0.505	0.293	0.791	1.794
Replicate Prob(F)							0.8394	0.9475	0.3584	0.6822	0.8297	0.5096	0.1720
Treatment F							504.987	414.765	659.565	671.696	426.652	1743.123	3702.944
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	ALRPH	ALRPH	ALRPH	ALRPH	RICE
Rating Date							6/7/11	6/21/11	5/18/11	5/24/11	6/7/11	6/21/11	5/18/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							36 DAT	50 DAT	16 DAT	22 DAT	36 DAT	50 DAT	16 DAT
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	15	16	17	18	19	20	21
1	No Beyond No Mixture						0 c	0 d	0 b	0 f	0 c	0 c	0 b
2	No Beyond Propanil	1	lb ai/a	1	qt/a	EPOST	98 a	91 b	91 a	81 de	88 a	88 a	0 b
3	No Beyond Propanil	2	lb ai/a	2	qt/a	EPOST	98 a	93 ab	94 a	84 bcd	89 a	86 a	0 b
4	No Beyond Propanil	3	lb ai/a	3	qt/a	EPOST	98 a	91 b	94 a	86 a-d	86 a	81 a	0 b
5	No Beyond Propanil	4	lb ai/a	4	qt/a	EPOST	98 a	93 ab	91 a	73 e	74 b	70 b	0 b
6	Beyond No Mixture	0.039	lb ai/a	5	fl oz/a	EPOST	41 b	41 c	93 a	91 abc	91 a	81 a	0 b
7	Beyond Propanil	0.039 1	lb ai/a lb ai/a	5 1	fl oz/a qt/a	EPOST EPOST	98 a	95 a	93 a	83 cd	93 a	89 a	0 b
8	Beyond Propanil	0.039 2	lb ai/a lb ai/a	5 2	fl oz/a qt/a	EPOST EPOST	98 a	94 ab	91 a	93 ab	93 a	85 a	0 b
9	Beyond Propanil	0.039 3	lb ai/a lb ai/a	5 3	fl oz/a qt/a	EPOST EPOST	98 a	93 ab	92 a	93 ab	91 a	86 a	0 b
10	Beyond Propanil	0.039 4	lb ai/a lb ai/a	5 4	fl oz/a qt/a	EPOST EPOST	98 a	95 a	93 a	94 a	93 a	84 a	1 a
LSD (P=.05)							1.1	3.4	4.4	9.0	7.6	10.6	1.1
Standard Deviation							0.8	2.3	3.0	6.2	5.2	7.3	0.8
CV							0.96	2.95	3.63	8.02	6.56	9.78	632.46
Grand Mean							82.53	78.5	83.23	77.63	79.8	75.0	0.13
Replicate F							1.000	0.310	0.499	0.833	1.672	0.217	1.000
Replicate Prob(F)							0.4079	0.8177	0.6860	0.4876	0.1965	0.8838	0.4079
Treatment F							7416.752	764.690	374.986	81.258	119.730	53.726	1.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.4635

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/24/11	6/7/11	6/21/11	8/8/11	8/8/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	cm	LB/A
Trt-Eval Interval							22 DAT	36 DAT	50 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	23	24	28	31
1	No Beyond						0 a	0 a	0 a	75 e	0 d
	No Mixture										
2	No Beyond						0 a	0 a	0 a	70 e	0 d
	Propanil	1	lb ai/a	1	qt/a	EPOST					
3	No Beyond						0 a	0 a	0 a	76 de	351 d
	Propanil	2	lb ai/a	2	qt/a	EPOST					
4	No Beyond						0 a	0 a	0 a	78 cde	3062 c
	Propanil	3	lb ai/a	3	qt/a	EPOST					
5	No Beyond						0 a	0 a	0 a	83 bcd	2557 c
	Propanil	4	lb ai/a	4	qt/a	EPOST					
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	0 a	0 a	0 a	89 ab	5503 b
	No Mixture										
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	0 a	0 a	0 a	87 abc	6435 ab
	Propanil	1	lb ai/a	1	qt/a	EPOST					
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	0 a	0 a	0 a	94 a	5997 ab
	Propanil	2	lb ai/a	2	qt/a	EPOST					
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	0 a	0 a	0 a	90 ab	6845 a
	Propanil	3	lb ai/a	3	qt/a	EPOST					
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	0 a	0 a	0 a	90 ab	6566 a
	Propanil	4	lb ai/a	4	qt/a	EPOST					
LSD (P=.05)							0.0	0.0	0.0	8.2	996.6
Standard Deviation							0.0	0.0	0.0	5.7	686.9
CV							0.0	0.0	0.0	6.82	18.41
Grand Mean							0.0	0.0	0.0	83.04	3731.63
Replicate F							0.000	0.000	0.000	2.271	0.991
Replicate Prob(F)							1.0000	1.0000	1.0000	0.1030	0.4119
Treatment F							0.000	0.000	0.000	7.758	70.099
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001

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IR Combinations for Preflood Weed Control in Conventional Rice

Experiment number..... : **C11-10**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 04/04/11
Harvest date..... : 08/03/11
Crop/Variety ..... : CL131
Emergence date..... : 04/19/11
Uniform std. treatment..... : N/A

Application type..... : PREFL
Date applied [mm/dd/yy] ..... : 05/16/11
Time [hh:mm-hh:mm]..... : 11:38-11:45A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 73/76
Relative humidity [%]..... : 39
Wind [mph, direction] ..... : 7-9,NW
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 5lf-1till/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..... : EPW

Weed Species (population) ..... :- (height/#leaves) -
BRAPP(50-100m^{-2}) ..... : 3-7"/4-6lf
ECHCG(50-75m^{-2})..... : 3-6"/3-5lf
CYPES(20-30m^{-2})…….. : 7-12"/5-10lf
AESIN(5-10m^{-2})..... : 5-9"/5-10lf

Flush Dates ..... : 4/7/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/19/11

*AMFF – Air mix flat fan nozzles

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IR Combinations for Preflood Weed Control in Conventional Rice

Trial ID: C11-10 Protocol ID: C11-10
Location: RRS-Crowley, LA Study Director:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
	Pest Code						ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	BRAPP
	Rating Date						6/7/11	6/20/11	7/5/11	6/7/11	6/20/11	7/5/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%	%
	Trt-Eval Interval						21 DAT	34 DAT	49 DAT	21 DAT	34 DAT	49 DAT
	Number of Decimals						0	0	0	0	0	0
1	Treated Check						0 d	0 d	0 c	0 d	0 e	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	88 ab	95 a	88 ab	88 abc	95 a
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 abc	88 ab	91 b	85 abc	90 ab	91 b
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	88 ab	94 ab	90 a	84 cd	94 ab
	IR5890	0.047	lb ai/a	1	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	86 ab	88 ab	93 ab	86 ab	89 abc	94 ab
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 c	78 c	91 b	80 c	88 abc	91 b
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	83 bc	83 bc	91 b	83 bc	85 bcd	93 ab
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 abc	88 ab	94 ab	85 abc	88 abc	94 ab
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	88 ab	94 ab	88 ab	90 ab	94 ab
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	90 ab	95 a	88 ab	90 ab	94 ab
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	90 ab	95 a	88 ab	93 a	95 a
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	90 ab	95 a	90 a	90 ab	95 a
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						

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Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	BRAPP
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							21 DAT	34 DAT	49 DAT	21 DAT	34 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 abc	89 ab	93 ab	85 abc	89 abc	94 ab
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	89 ab	94 ab	88 ab	88 abc	94 ab
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	90 ab	95 a	88 ab	90 ab	95 a
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	91 a	95 a	88 ab	89 abc	95 a
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	90 ab	95 a	90 a	80 d	91 b
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL						
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL						
18	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 c	88 ab	93 ab	80 c	90 ab	93 ab
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
LSD (P=.05)							5.6	8.7	2.5	5.6	5.2	2.8
Standard Deviation							4.0	6.1	1.8	4.0	3.7	2.0
CV							4.86	7.41	2.01	4.86	4.46	2.25
Grand Mean							81.46	82.85	88.4	81.46	83.19	88.33
Replicate F							5.760	1.410	4.810	5.760	1.178	3.048
Replicate Prob(F)							0.0018	0.2506	0.0050	0.0018	0.3272	0.0369
Treatment F							107.871	46.455	620.197	107.871	127.741	494.007
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	CYPES	CYPES	CYPES
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							21 DAT	34 DAT	49 DAT	21 DAT	34 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Treated Check						0 c	0 c	0 c	0 f	0 e	0 f
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	60 b	65 b	68 b
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	93 b	95 b	28 de	15 d	15 e
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	88 a	94 a
	IR5890	0.047	lb ai/a	1	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	35 cd	48 c	45 c
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	30 cde	23 d	25 de
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	97 a	30 cde	38 c	45 c
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	43 c	40 c	35 cd
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	88 a	90 a	95 a
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	95 a
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	94 a
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	95 a
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	95 a
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	95 a
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						

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Pest Code							AESIN	AESIN	AESIN	CYPES	CYPES	CYPES
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							21 DAT	34 DAT	49 DAT	21 DAT	34 DAT	49 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	90 a	95 a
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	90 a	91 a	95 a
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	95 a	98 a	80 a	90 a	94 a
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL						
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL						
18	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	95 a	98 a	20 e	15 d	30 d
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
LSD (P=.05)							0.5	1.0	1.4	14.1	11.4	10.5
Standard Deviation							0.4	0.7	1.0	10.0	8.0	7.4
CV							0.39	0.76	1.04	15.87	12.69	11.03
Grand Mean							89.76	89.58	92.36	62.92	63.4	67.15
Replicate F							1.000	1.000	1.032	0.794	1.636	0.209
Replicate Prob(F)							0.4005	0.4005	0.3862	0.5031	0.1925	0.8898
Treatment F							16060.348	4321.589	2324.515	40.548	68.590	85.606
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/7/11	6/20/11	7/5/11	8/3/11	8/3/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. Height	YIELD
Rating Unit							%	%	%	cm	LB/A
Trt-Eval Interval							21 DAT	34 DAT	49 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	19	22
1	Treated Check						0 a	0 a	0 a	96 a	4867 h
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 abc	7859 ab
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	90 d	5934 fgh
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	95 ab	6990 b-f
	IR5890	0.047	lb ai/a	1	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	5941 fgh
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	91 bcd	7560 abc
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	5190 gh
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	93 a-d	7164 a-e
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	93 a-d	7254 a-e
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	7398 abc
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	6107 d-g
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	7445 abc
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	90 cd	6606 c-f
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	93 a-d	6591 c-f
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/7/11	6/20/11	7/5/11	8/3/11	8/3/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. Height	YIELD
Rating Unit							%	%	%	cm	LB/A
Trt-Eval Interval							21 DAT	34 DAT	49 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	19	22
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	94 a-d	7295 a-d
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	95 ab	7390 abc
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	91 bcd	8232 a
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL					
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL					
18	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	92 a-d	6062 e-h
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
LSD (P=.05)							0.0	0.0	0.0	4.6	1209.1
Standard Deviation							0.0	0.0	0.0	3.3	854.9
CV							0.0	0.0	0.0	3.49	12.63
Grand Mean							0.0	0.0	0.0	93.18	6771.35
Replicate F							0.000	0.000	0.000	0.083	1.643
Replicate Prob(F)							1.0000	1.0000	1.0000	0.9691	0.1910
Treatment F							0.000	0.000	0.000	1.187	4.636
Treatment Prob(F)							1.0000	1.0000	1.0000	0.3076	0.0001

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IR Combinations for Postflood Rice Weed Control

Experiment number	**C11-11**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/03/11
Crop/Variety	CL131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	4-5LF	POFL
Date applied [mm/dd/yy]	04/05/11	05/09/11	05/23/11
Time [hh:mm-hh:mm]	11:35-11:45A	12:15-12:25P	8:45-9:30A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	62/65	83/77	80/78
Relative humidity [%]	47	63	85
Wind [mph, direction]	1-7,E	5-9,SE	5-9,SE
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry	flood/dry
Crop stage/Height	N/A	4-5lf/3-5"	1-3til/6-9"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/24	15/23	15/23
Applied by	EPW	EPW	EPW

Weed Species (population)	(height/#leaves)
AESIN(5-7m^{-2})	5-10"/5-9lf
CNPPA(5-10m^{-2})	3-9"/4-7lf
SEBEX(5-10m^{-2})	5-10"/7-10lf
ALRPH(3-7m^{-2})	7-10"/10-15lf
CYPES(10-15m^{-2})	10-13"/7-12lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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IR Combinations for Postflood Rice Weed Control

Trial ID: C11-11 Protocol ID: C11-11
Location: RRS-Crowley, LA Study Director:

Pest Code							ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
1	Treated Check						0 c	0 b	0 d	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	97 a	97 ab	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	96 c	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	97 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	97 bc	96 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	96 c	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	97 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	97 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	98 a	96 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	97 ab	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	98 a	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	97 ab	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	97 ab	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	98 a	97 bc	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							0.7	1.1	1.5	0.7
Standard Deviation							0.5	0.8	1.0	0.5
CV							0.58	0.83	1.14	0.58
Grand Mean							89.5	92.01	91.62	89.5
Replicate F							0.653	0.627	1.769	0.653
Replicate Prob(F)							0.5849	0.6011	0.1657	0.5849
Treatment F							7874.933	3835.897	2033.938	7874.933
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	SEBEX	SEBEX
Rating Date							6/20/11	7/5/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
1	Treated Check						0 b	0 d	0 d	0 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 ab	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 c	86 c	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	93 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 bc	93 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 c	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	91 abc	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	90 abc	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	95 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							BRAPP	BRAPP	SEBEX	SEBEX
Rating Date							6/20/11	7/5/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	95 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	88 bc	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 ab	94 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 ab	90 abc	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 bc	95 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							1.1	1.4	6.0	0.0
Standard Deviation							0.8	1.0	4.2	0.0
CV							0.84	1.09	4.8	0.0
Grand Mean							92.0	91.66	86.91	89.41
Replicate F							0.790	1.187	0.761	0.000
Replicate Prob(F)							0.5054	0.3247	0.5218	1.0000
Treatment F							3775.470	2226.158	116.820	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000

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Pest Code							SEBEX	AESIN	AESIN	AESIN
Rating Date							7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	9	10	11	12
1	Treated Check						0 d	0 c	0 c	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 c	89 b	94 ab	95 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	93 ab	94 ab	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	93 ab	94 ab	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 bc	95 a	95 a	97 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	94 a	95 a	97 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	93 ab	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							SEBEX	AESIN	AESIN	AESIN
Rating Date							7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	9	10	11	12
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	89 b	94 ab	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	91 ab	95 a	98 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	94 ab	97 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 bc	91 ab	93 b	97 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	95 a	95 a	97 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							1.2	4.6	2.2	1.7
Standard Deviation							0.9	3.2	1.5	1.2
CV							0.94	3.66	1.74	1.31
Grand Mean							91.84	87.57	88.9	91.72
Replicate F							1.126	2.039	0.564	0.417
Replicate Prob(F)							0.3480	0.1209	0.6413	0.7417
Treatment F							3011.894	199.855	879.385	1546.998
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	ALRPH	CNPPA
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16
1	Treated Check						0 g	0 i	0 e	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	20 ef	40 d-g	25 cd	86 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	10 fg	20 h	10 de	25 c
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 cde	60 bc	50 b	85 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	53 b	65 b	23 cd	45 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 bc	45 c-f	18 cde	40 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	40 bcd	58 bc	35 bc	55 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 bc	40 d-g	30 bcd	80 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	55 b	50 b-e	28 cd	75 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 b	58 bc	30 bcd	85 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 bc	55 bcd	35 bc	90 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							ALRPH	ALRPH	ALRPH	CNPPA
Rating Date							6/7/11	6/20/11	7/5/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL
ARM Action Codes										
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 cde	25 gh	25 cd	80 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	20 ef	35 e-h	25 cd	80 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	25 def	30 fgh	25 cd	80 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 a	88 a	78 a	40 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	25 def	20 h	10 de	75 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 cde	40 d-g	20 cde	85 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							18.6	17.1	21.9	18.3
Standard Deviation							13.0	12.0	15.3	12.8
CV							36.69	27.99	55.96	19.63
Grand Mean							35.44	42.79	27.35	65.07
Replicate F							2.281	13.106	4.628	2.315
Replicate Prob(F)							0.0911	0.0001	0.0064	0.0877
Treatment F							8.652	11.958	5.021	16.773
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Pest Code							CNPPA	CNPPA	CYPES	CYPES
Rating Date							6/20/11	7/5/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
1	Treated Check						0 c	0 d	0 f	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	81 c	75 bc	85 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	43 b	10 d	18 e	20 d
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	83 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	94 abc	78 ab	73 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	82 bc	63 cd	63 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	97 a	75 bc	73 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	85 ab	94 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	90 a	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	85 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	80 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							CNPPA	CNPPA	CYPES	CYPES
Rating Date							6/20/11	7/5/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							28 DAPOSTFL	43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	17	18	19	20
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	88 ab	94 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	92 abc	88 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	80 ab	95 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	94 abc	88 ab	94 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	95 ab	30 e	40 c
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 a	94 abc	53 d	70 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							6.8	13.9	14.1	12.0
Standard Deviation							4.8	9.7	9.9	8.4
CV							5.55	11.57	14.53	11.16
Grand Mean							85.74	83.84	67.94	74.93
Replicate F							1.103	0.630	1.791	1.071
Replicate Prob(F)							0.3569	0.5989	0.1614	0.3704
Treatment F							114.347	38.740	30.223	48.704
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	RICE	RICE	RICE
Rating Date							7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24
1	Treated Check						0 d	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 b	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	10 d	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5890	0.047	lb ai/a	1	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 c	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 c	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	55 b	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL				
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL				
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				

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Pest Code							CYPES	RICE	RICE	RICE
Rating Date							7/5/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							43 DAPOSTFL	15 DAPOSTFL	28 DAPOSTFL	43 DAPOSTFL
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL				
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL				
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	IR5878	0.0625	lb ai/a	2	oz/a	POFL				
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL				
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL				
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	30 c	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Broadhead	0.525	lb ai/a	12	oz/a	POFL				
	Agri-Dex	1	% v/v	19.2	oz/a	POFL				
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 b	0 a	0 a	0 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF				
	Facet	0.33	lb ai/a	0.44	lb/a	POFL				
	Stam M4	4	lb ai/a	4	qt/a	POFL				
LSD (P=.05)							12.9	0.0	0.0	0.0
Standard Deviation							9.0	0.0	0.0	0.0
CV							13.64	0.0	0.0	0.0
Grand Mean							65.96	0.0	0.0	0.0
Replicate F							1.513	0.000	0.000	0.000
Replicate Prob(F)							0.2230	1.0000	1.0000	1.0000
Treatment F							64.110	0.000	0.000	0.000
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE
Rating Date							8/3/11	8/3/11
Rating Data Type							AVG HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	27	30
1	Treated Check						93 a	5970 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE		
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	8546 a
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5878	0.0625	lb ai/a	2	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	5649 d
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	6678 bcd
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5890	0.047	lb ai/a	1	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	6673 bcd
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL		
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7230 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL		
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	6919 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL		
	IR5878	0.0625	lb ai/a	2	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	7197 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.21	lb ai/a	0.28	lb/a	POFL		
	IR5878	0.0356	lb ai/a	1.14	oz/a	POFL		
	IR5890	0.0117	lb ai/a	0.25	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7195 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.28	lb ai/a	0.375	lb/a	POFL		
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL		
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	7092 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.328	lb ai/a	0.4375	lb/a	POFL		
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL		
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	7279 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5880	0.375	lb ai/a	0.5	lb/a	POFL		
	IR5878	0.0625	lb ai/a	2	oz/a	POFL		
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		

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Pest Code							RICE	RICE
Rating Date							8/3/11	8/3/11
Rating Data Type							AVG HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	27	30
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7456 ab
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5878	0.047	lb ai/a	1.5	oz/a	POFL		
	IR5890	0.0155	lb ai/a	0.33	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	7057 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5878	0.0547	lb ai/a	1.75	oz/a	POFL		
	IR5890	0.018	lb ai/a	0.385	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	6910 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	IR5878	0.0625	lb ai/a	2	oz/a	POFL		
	IR5890	0.0206	lb ai/a	0.44	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
15	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	7088 b
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	Regiment	0.025	lb ai/a	0.5	oz/a	POFL		
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	POFL		
16	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	6902 bc
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	Broadhead	0.525	lb ai/a	12	oz/a	POFL		
	Agri-Dex	1	% v/v	19.2	oz/a	POFL		
17	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	6560 bcd
	Ricestar HT	0.109	lb ai/a	24	fl oz/a	4-5 LF		
	Facet	0.33	lb ai/a	0.44	lb/a	POFL		
	Stam M4	4	lb ai/a	4	qt/a	POFL		
LSD (P=.05)							4.1	1097.5
Standard Deviation							2.9	768.0
CV							3.1	11.03
Grand Mean							93.49	6964.64
Replicate F							1.154	2.664
Replicate Prob(F)							0.3369	0.0584
Treatment F							1.191	2.594
Treatment Prob(F)							0.3090	0.0056

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IR Combinations for Weed Control in Clearfield Rice

Experiment number	**C11-12**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	N/A

Application type	Emergence	PRE FL
Date applied [mm/dd/yy]	04/29/11	05/24/11
Time [hh:mm-hh:mm]	11:30-11:40A	9:00-9:10A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	77/70	83/80
Relative humidity [%]	65	73
Wind [mph, direction]	5-10,SE	7-9/SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	wet/dry	wet/dry
Crop stage/Height	2-3lf/2-3"	1-2til/5-7"
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	15/23	15/23
Applied by	EAB	JCF

Weed Species (population)	---------- (height/#leaves) ----------	
SEBEX(1m^{-2})	1-2"/1-2lf	6-9"/7-13lf
ALRPH(2m^{-2})	1-2"/1-2lf	6-12"/20-40lf
ORYSA(300-400m^{-2})	2-3"/2-3lf	5-7"/1-3til
ECHCG(300-400m^{-2})	1-2"/2-3lf	3-7"/4-5lf
BRAPP(15-50m^{-2})		3-7"/4-5lf
AESIN(3-5m^{-2})		5-7"/6-9lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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IR Combinations for Weed Control in Clearfield Rice

Trial ID: C11-12 Protocol ID: C11-12
Location: RRS-Crowley, LA Study Director:

Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							6/8/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated Check						0 c	0 d	0 c	0 c	0 c
2	Treated Check						97 a	94 abc	94 ab	98 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE					
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	94 abc	95 ab	98 a	95 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	95 a	97 a	98 a	95 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	95 ab	94 ab	96 ab	91 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5890	0.047	lb ai/a	1	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	94 abc	96 a	98 a	96 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	91 b	93 abc	95 ab	98 a	97 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	92 abc	92 ab	98 a	91 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	93 ab	92 abc	93 ab	98 a	93 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					

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Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							6/8/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	92 abc	94 ab	98 a	94 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	93 ab	93 abc	89 b	96 ab	93 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	96 ab	94 abc	97 a	98 a	96 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	94 ab	95 ab	95 ab	98 a	92 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	93 abc	94 ab	94 b	92 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
15	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	92 abc	95 ab	98 a	89 b
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
16	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	91 abc	92 ab	98 a	95 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
17	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	88 bc	95 ab	96 ab	92 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
18	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	91 b	94 abc	94 ab	98 a	94 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL					

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Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							6/8/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
19	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	92 ab	88 c	92 ab	96 ab	93 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
LSD (P=.05)							6.4	6.6	6.8	4.0	6.5
Standard Deviation							4.6	4.7	4.8	2.8	4.6
CV							5.08	5.34	5.37	3.06	5.19
Grand Mean							89.7	87.68	88.93	92.18	88.62
Replicate F							1.824	8.363	5.431	0.183	0.734
Replicate Prob(F)							0.1537	0.0001	0.0024	0.9078	0.5362
Treatment F							91.673	82.885	82.059	250.728	88.006
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							7/5/11	6/8/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DAT	15 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated Check						0 d	0 c	0 b	0 b	0 c
2	Treated Check						95 ab	98 a	96 a	97 a	0 c
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE					
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	98 a	98 a	97 a	97 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 ab	98 a	97 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	97 a	96 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5890	0.047	lb ai/a	1	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 ab	98 a	97 a	97 a	94 b
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	98 a	95 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 ab	98 a	97 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	98 a	96 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	96 ab	98 a	97 a	97 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							7/5/11	6/8/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DAT	15 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	93 b	98 a	95 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	98 a	96 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	96 ab	98 a	98 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	89 c	94 b	96 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
15	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	93 b	98 a	97 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
16	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	96 ab	98 a	96 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
17	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	95 ab	98 a	97 a	97 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
18	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 ab	98 a	95 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL					

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							7/5/11	6/8/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DAT	15 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
19	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 ab	98 a	96 a	98 a	96 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
LSD (P=.05)							4.2	3.0	3.6	1.1	3.2
Standard Deviation							2.9	2.1	2.6	0.8	2.3
CV							3.26	2.27	2.81	0.86	2.6
Grand Mean							90.18	92.57	91.24	92.45	87.34
Replicate F							1.034	0.887	1.390	0.359	0.742
Replicate Prob(F)							0.3848	0.4540	0.2557	0.7829	0.5315
Treatment F							222.829	456.944	297.426	3155.264	733.122
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	ALRPH
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated Check						0 b	0 c	0 c	0 c	0 f
2	Treated Check						0 b	0 c	98 a	98 a	75 e
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE					
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	97 ab	97 ab	90 bc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	98 a	98 ab	98 a	98 ab	96 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	97 ab	96 ab	80 de
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5890	0.047	lb ai/a	1	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	98 a	97 ab	98 ab	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	98 a	97 ab	97 ab	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	96 ab	97 ab	98 ab	96 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	95 b	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	98 ab	97 ab	98 a	95 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	ALRPH
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	98 a	97 ab	97 ab	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	98 a	97 ab	93 abc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	98 a	97 ab	96 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	98 a	96 b	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL					
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
15	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	98 ab	97 ab	97 ab	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
16	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	97 ab	98 a	89 bc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
17	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	97 ab	96 ab	98 a	93 abc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL					
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
18	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	96 ab	97 ab	98 a	87 cd
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL					

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	ALRPH
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
19	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	97 a	96 b	96 ab	98 a	98 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE					
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL					
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
LSD (P=.05)							2.1	2.0	2.7	1.8	7.6
Standard Deviation							1.5	1.4	1.9	1.2	5.4
CV							1.74	1.66	2.07	1.34	6.1
Grand Mean							86.78	86.84	92.05	92.2	88.12
Replicate F							0.191	0.118	1.109	2.249	0.233
Replicate Prob(F)							0.9017	0.9491	0.3533	0.0931	0.8727
Treatment F							1649.887	1802.651	547.153	1299.846	68.873
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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Pest Code							ALRPH	ALRPH	CYPES	CYPES	RICE	RICE
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20	21
1	Nontreated Check						0 d	0 f	0 c	0 d	0 b	0 a
2	Treated Check						71 c	69 e	97 ab	98 a	0 b	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	83 abc	73 de	97 ab	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	83 abc	79 a-e	97 ab	97 abc	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	79 abc	75 de	97 ab	98 ab	1 a	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5890	0.047	lb ai/a	1	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	86 ab	90 abc	97 ab	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	84 abc	75 de	98 a	97 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	88 ab	91 ab	97 ab	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	89 ab	86 a-d	95 b	95 c	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	90 a	73 de	98 a	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						

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Pest Code							ALRPH	ALRPH	CYPES	CYPES	RICE	RICE
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20	21
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	85 abc	81 a-e	97 ab	98 a	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	75 bc	76 cde	97 ab	97 abc	1 a	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	79 abc	78 b-e	97 ab	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	81 abc	83 a-d	98 a	97 abc	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL						
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
15	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	90 a	73 de	95 b	98 a	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL						
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
16	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	84 abc	90 abc	98 a	98 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL						
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
17	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	86 ab	85 a-d	97 ab	96 bc	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL						
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
18	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	91 a	93 a	98 a	97 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL						

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Pest Code							ALRPH	ALRPH	CYPES	CYPES	RICE	RICE
Rating Date							6/21/11	7/5/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							28 DAT	42 DAT	28 DAT	42 DAT	15 DAT	28 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20	21
19	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	81 abc	86 a-d	97 ab	97 ab	0 b	0 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE						
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL						
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL						
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL						
LSD (P=.05)							13.8	14.2	2.5	1.7	1.2	0.0
Standard Deviation							9.7	10.0	1.7	1.2	0.8	0.0
CV							12.32	13.13	1.89	1.32	622.12	0.0
Grand Mean							79.12	76.45	91.96	92.13	0.13	0.0
Replicate F							1.639	1.716	0.548	2.039	0.655	0.000
Replicate Prob(F)							0.1912	0.1746	0.6515	0.1193	0.5836	1.0000
Treatment F							16.567	15.663	655.022	1338.639	0.927	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.5513	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							7/5/11	8/8/11	8/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							42 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	26	29
1	Nontreated Check						0 a	72 e	0 f
2	Treated Check						0 a	95 a-d	7602 b-e
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	93 bcd	6918 cde
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	93 bcd	7923 a-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 a-d	8477 abc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5890	0.047	lb ai/a	1	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	92 bcd	7987 a-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL			
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 a-d	8476 abc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL			
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	95 a-d	6339 e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL			
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 bcd	7355 b-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL			
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 a-d	6776 cde
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.21	lb ai/a	0.28	lb/a	PREFL			
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL			
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			

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Pest Code							RICE	RICE	RICE
Rating Date							7/5/11	8/8/11	8/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							42 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	26	29
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	91 cd	7929 a-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.28	lb ai/a	0.375	lb/a	PREFL			
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL			
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	96 abc	9642 a
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.328	lb ai/a	0.4375	lb/a	PREFL			
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL			
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
13	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 a-d	7678 b-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5880	0.375	lb ai/a	0.5	lb/a	PREFL			
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL			
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
14	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	94 bcd	8747 ab
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5878	0.0356	lb ai/a	1.14	oz/a	PREFL			
	IR5890	0.0117	lb ai/a	0.25	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
15	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	97 ab	8092 a-d
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL			
	IR5890	0.0155	lb ai/a	0.33	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
16	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	95 a-d	8291 abc
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL			
	IR5890	0.018	lb ai/a	0.385	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
17	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	91 d	7173 b-e
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	IR5878	0.0625	lb ai/a	2	oz/a	PREFL			
	IR5890	0.0206	lb ai/a	0.44	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
18	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	95 abc	6786 cde
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	Regiment	0.025	lb ai/a	0.5	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Dyne-a-Pak	0.67	% v/v	12.8	oz/a	PREFL			

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Pest Code							RICE	RICE	RICE
Rating Date							7/5/11	8/8/11	8/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							42 DAT	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	26	29
19	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	99 a	6396 de
	Agri-Dex	1	% v/v	19.2	oz/a	EMERGENCE			
	Broadhead	0.525	lb ai/a	12	oz/a	PREFL			
	Newpath	0.0625	lb ai/a	4	fl oz/a	PREFL			
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL			
LSD (P=.05)							0.0	4.6	1724.1
Standard Deviation							0.0	3.3	1219.1
CV							0.0	3.53	16.71
Grand Mean							0.0	92.95	7293.93
Replicate F							0.000	0.338	0.325
Replicate Prob(F)							1.0000	0.7977	0.8075
Treatment F							0.000	10.890	10.344
Treatment Prob(F)							1.0000	0.0001	0.0001

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IR5878 Combinations for Nutsedge and Broadleaf Control

Experiment number	**C11-13**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/03/11
Crop/Variety	CL131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	MPOST	PREFL
Date applied [mm/dd/yy]	04/05/11	05/04/11	05/16/11
Time [hh:mm-hh:mm]	11:55-12:00P	11:35-11:45A	12:30-1:00P
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	62/65	67/65	73/76
Relative humidity [%]	47	44	39
Wind [mph, direction]	1-7,NE	7-9,NE	7-9,NW
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	3-5lf/3-5"	5lf-1till/6-8"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/25	15/25	15/25
Applied by	EPW	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
AESIN(5-12m^{-2})	3-9"/3-7lf
SEBEX(2-4 m^{-2})	3-5"/3-6lf
CYPES(30-50 m^{-2})	2-4"/3-9lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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IR5878 Combinations for Nutsedge and Broadleaf Control

Trial ID: C11-13 Protocol ID: C11-13
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code						SEBEX	SEBEX	SEBEX	AESIN	AESIN
	Rating Date						6/8/11	6/21/11	7/5/11	6/8/11	6/21/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%
	Trt-Eval Interval						23 DAPREFL	36 DAPREFL	50 DAPREFL	23 DAPREFL	36 DAPREFL
	Number of Decimals						0	0	0	0	0
1	Treated Check						0 d	0 c	0 c	0 d	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	97 a	95 a	95 a	98 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0656	lb ai/a	2.1	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	95 a	95 a	98 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	10 c	25 b	33 b	10 c	0 c
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	1.2	pt/a	PREFL					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 b	98 a	94 a	85 b	95 b
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	95 a	95 a	98 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	95 a	95 a	97 ab
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	95 a	95 a	97 ab
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0078	lb ai/a	0.25	oz/a	PREFL					
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL					
	Basagran	0.5	lb ai/a	1	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	97 a	95 a	95 a	98 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
	LSD (P=.05)						1.2	3.7	1.9	8.2	2.1
	Standard Deviation						0.8	2.5	1.3	5.6	1.4
	CV						1.11	3.2	1.7	7.59	1.88
	Grand Mean						74.86	78.83	77.36	73.89	75.75

Pest Code	SEBEX	SEBEX	SEBEX	AESIN	AESIN
Rating Date	6/8/11	6/21/11	7/5/11	6/8/11	6/21/11
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	23 DAPREFL	36 DAPREFL	50 DAPREFL	23 DAPREFL	36 DAPREFL
Number of Decimals	0	0	0	0	0
Replicate F	1.000	0.590	0.400	1.000	1.215
Replicate Prob(F)	0.4098	0.6278	0.7542	0.4098	0.3257
Treatment F	9073.001	916.355	2918.200	195.971	3627.307
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	CYPES	CYPES	CYPES	RICE
Rating Date							7/5/11	6/8/11	6/21/11	7/5/11	6/8/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							50 DAPREFL	23 DAPREFL	36 DAPREFL	50 DAPREFL	23 DAPREFL
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Treated Check						0 c	0 b	0 c	0 c	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	94 a	97 a	96 a	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0656	lb ai/a	2.1	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	95 a	95 b	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	94 a	98 a	94 b	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	1.2	pt/a	PREFL					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 b	95 a	98 a	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	95 a	98 a	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	94 a	97 ab	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	95 a	97 a	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0078	lb ai/a	0.25	oz/a	PREFL					
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL					
	Basagran	0.5	lb ai/a	1	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	95 a	98 a	95 ab	0 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST					
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL					
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL					
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL					
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL					
LSD (P=.05)							3.6	1.7	2.0	1.7	0.0
Standard Deviation							2.5	1.1	1.4	1.1	0.0
CV							3.4	1.35	1.57	1.35	0.0
Grand Mean							73.47	84.11	86.42	84.39	0.0
Replicate F							1.000	1.257	1.591	1.000	0.000
Replicate Prob(F)							0.4098	0.3113	0.2176	0.4098	1.0000
Treatment F							1111.445	3070.629	2292.955	3091.072	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							6/21/11	7/5/11	8/3/11	8/3/11
Rating Data Type							INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	cm	LB/A
Trt-Eval Interval							36 DAPREFL	50 DAPREFL	HARVEST	HARVEST
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	16	19
1	Treated Check						0 a	0 a	97 a	5865 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	98 a	6950 bc
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5878	0.0656	lb ai/a	2.1	oz/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	99 a	8428 a
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	97 a	5259 d
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL				
	Agri-Dex	1	% v/v	1.2	pt/a	PREFL				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	100 a	7805 ab
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL				
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	100 a	6741 bc
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5878	0.047	lb ai/a	1.5	oz/a	PREFL				
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	99 a	6803 bc
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL				
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	98 a	6292 cd
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5890	0.0078	lb ai/a	0.25	oz/a	PREFL				
	IR5878	0.0416	lb ai/a	1.33	oz/a	PREFL				
	Basagran	0.5	lb ai/a	1	pt/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	101 a	7202 abc
	Ricestar HT	0.107	lb ai/a	24	oz/a	MPOST				
	IR5890	0.0103	lb ai/a	0.33	oz/a	PREFL				
	IR5878	0.0547	lb ai/a	1.75	oz/a	PREFL				
	Basagran	0.75	lb ai/a	1.5	pt/a	PREFL				
	Agri-Dex	1	% v/v	19.2	oz/a	PREFL				
LSD (P=.05)							0.0	0.0	5.2	1469.1
Standard Deviation							0.0	0.0	3.5	1006.6
CV							0.0	0.0	3.58	14.77
Grand Mean							0.0	0.0	98.72	6816.15
Replicate F							0.000	0.000	3.267	1.190
Replicate Prob(F)							1.0000	1.0000	0.0388	0.3347
Treatment F							0.000	0.000	0.617	3.628
Treatment Prob(F)							1.0000	1.0000	0.7549	0.0067

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Newpath Prowl and Prowl H2O

Experiment number..... : **C11-14**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 04/11/11
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 04/29/11
Uniform std. treatment..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/04/11
Time [hh:mm-hh:mm]..... : 8:45-9:00A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 53/60
Relative humidity [%]..... : 87
Wind [mph, direction] ..... : 3-5,N
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 2-3lf/1-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/25
Applied by..... : EPW

Weed Species (population) ..... :- (height/#leaves) --
ORYSA(30-50m^{-2})..... : 2-4"/1-4lf
ECHCG(100-125m^{-2})..... : 1-3"/1-4lf
BRAPP(20-50m^{-2})…….. : ½-2"/1-2lf
SEBEX(2-3m^{-2})..... : 2-4"/2-4lf
AESIN(4-8m^{-2})..... : 1-3"/2-5lf
ALRPH(2-3m^{-2})..... : 2-6"/10-30lf
ECLAL(40-50m^{-2}) ..... : ¼-1"/cot-4lf

Flush Dates ..... : 4/13/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/26/11

*AMFF – Air mix flat fan nozzles

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Newpath Prowl and Prowl H2O

Trial ID: C11-14 Protocol ID: C11-14
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Rating Date							5/18/11	5/25/11	6/7/11	5/18/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	16 DAT	34 DAT	9 DAT	16 DAT	34 DAT
Number of Decimals							0	0	0	0	0	0
1	No Newpath No Prowl						0 c	0 c	0 b	0 d	0 b	0 b
2	No Newpath Prowl	1	lb ai/a	2.42	pt/a	EPOST	0 c	8 b	5 b	23 b	0 b	0 b
3	No Newpath Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST	0 c	10 b	4 b	13 c	3 b	0 b
4	Newpath No Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	94 a	89 a	91 a	83 a	73 a
5	Newpath Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	93 b	94 a	90 a	91 a	85 a	74 a
		1	lb ai/a	2.42	pt/a	EPOST						
6	Newpath Prowl H2O	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	95 a	89 a	91 a	84 a	73 a
		1	lb ai/a	2.1	pt/a	EPOST						
LSD (P=.05)							2.2	4.7	6.7	4.7	7.4	4.6
Standard Deviation							1.5	3.1	4.4	3.1	4.9	3.1
CV							3.09	6.24	9.63	6.04	11.54	8.4
Grand Mean							47.83	50.0	46.04	51.46	42.29	36.46
Replicate F							0.863	0.571	0.194	0.396	0.860	1.000
Replicate Prob(F)							0.4817	0.6424	0.8986	0.7580	0.4831	0.4199
Treatment F							5022.899	967.629	454.823	808.425	346.609	680.645
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	SEBEX	SEBEX	AESIN
Rating Date							5/18/11	5/25/11	6/7/11	5/25/11	6/7/11	5/18/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	16 DAT	34 DAT	9 DAT	34 DAT	9 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	No Newpath No Prowl						0 c	0 c	0 b	0 b	0 c	0 c
2	No Newpath Prowl	1	lb ai/a	2.42	pt/a	EPOST	31 b	93 b	91 a	84 a	96 a	70 b
3	No Newpath Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST	31 b	94 b	93 a	86 a	88 ab	76 b
4	Newpath No Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	93 a	98 a	94 a	88 a	73 b	90 a
5	Newpath Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	96 a	97 a	94 a	91 a	91 ab	96 a
		1	lb ai/a	2.42	pt/a	EPOST						
6	Newpath Prowl H2O	0.0625	lb ai/a	4	fl oz/a	EPOST	96 a	98 a	91 a	92 a	85 ab	97 a
		1	lb ai/a	2.1	pt/a	EPOST						
LSD (P=.05)							3.6	2.6	3.8	8.3	21.6	7.8
Standard Deviation							2.4	1.7	2.5	5.5	14.3	5.2
CV							4.07	2.17	3.28	7.48	19.87	7.24
Grand Mean							57.88	79.92	77.08	73.42	72.04	71.54
Replicate F							0.868	0.611	0.217	3.813	0.655	0.366
Replicate Prob(F)							0.4793	0.6182	0.8828	0.0326	0.5922	0.7788
Treatment F							1280.472	2050.889	893.609	172.893	25.438	200.513
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	ALRPH	ALRPH	ALRPH	ECLAL
Rating Date							5/25/11	6/7/11	5/18/11	5/25/11	6/7/11	5/18/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	34 DAT	9 DAT	16 DAT	34 DAT	9 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	No Newpath No Prowl						0 b	0 c	0 d	0 d	0 c	0 c
2	No Newpath Prowl	1	lb ai/a	2.42	pt/a	EPOST	98 a	98 a	74 c	71 c	94 a	76 b
3	No Newpath Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST	98 a	98 a	81 b	79 b	93 a	89 a
4	Newpath No Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	82 b	85 ab	85 ab	90 ab	90 a
5	Newpath Prowl	0.0625	lb ai/a	4	fl oz/a	EPOST	96 a	97 a	86 ab	89 a	88 b	74 b
		1	lb ai/a	2.42	pt/a	EPOST						
6	Newpath Prowl H2O	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	96 a	89 a	85 ab	91 ab	91 a
		1	lb ai/a	2.1	pt/a	EPOST						
LSD (P=.05)							2.5	14.3	6.4	7.3	5.2	11.8
Standard Deviation							1.6	9.5	4.2	4.9	3.5	7.8
CV							2.01	12.13	6.1	7.12	4.56	11.17
Grand Mean							81.33	78.33	69.17	68.13	76.0	70.0
Replicate F							1.000	0.889	1.094	2.168	0.675	0.591
Replicate Prob(F)							0.4199	0.4692	0.3822	0.1343	0.5805	0.6304
Treatment F							2382.400	66.968	264.469	195.690	463.463	80.591
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECLAL	RICE	RICE	RICE	RICE
Rating Date							6/7/11	5/18/11	5/25/11	6/7/11	8/8/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	%	cm
Trt-Eval Interval							34 DAT	9 DAT	16 DAT	34 DAT	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	25
1	No Newpath						0 c	0 a	0 a	0 a	48 c
	No Prowl										
2	No Newpath						94 a	0 a	0 a	0 a	58 abc
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
3	No Newpath						93 ab	0 a	0 a	0 a	53 bc
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 b	0 a	0 a	0 a	67 a
	No Prowl										
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 b	0 a	0 a	0 a	70 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	92 ab	0 a	0 a	0 a	65 ab
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
LSD (P=.05)							3.7	0.0	0.0	0.0	13.4
Standard Deviation							2.5	0.0	0.0	0.0	8.9
CV							3.23	0.0	0.0	0.0	14.76
Grand Mean							76.54	0.0	0.0	0.0	60.13
Replicate F							3.663	0.000	0.000	0.000	0.524
Replicate Prob(F)							0.0367	1.0000	1.0000	1.0000	0.6724
Treatment F							922.517	0.000	0.000	0.000	3.769
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000	0.0207

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Permit vs. Halomax

Experiment number..... :	**C11-15**
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 ..... :	04/04/11
Harvest date..... :	08/03/11
Crop/Variety ..... :	CL 131
Emergence date..... :	04/19/11
Uniform std. treatment..... :	N/A

Application type..... :	PRE	MPOST
Date applied [mm/dd/yy] ..... :	04/05/11	05/04/11
Time [hh:mm-hh:mm]..... :	11:45-11:50A	11:50-12:00P
Incorporation equip./Depth..... :	N/A	N/A
Air/Soil temperature [F] ..... :	62/65	70/63
Relative humidity [%]..... :	47	39
Wind [mph, direction] ..... :	1-7,NE	7-9,NE
Weather [sunny, etc] ..... :	sunny	sunny
Soil/Leaf surface moist..... :	dry/N/A	wet/dry
Crop stage/Height ..... :	N/A	3-5lf/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	15/25
Applied by..... :	EPW	EPW

Weed Species (population) ..... :	---------- (height/#leaves) ----------
AESIN(8-12m^{-2})..... :	1-4"/1-6lf
SEBEX(3-4m^{-2})..... :	2-4"/2-6lf
ALRPH(4-5m^{-2})…….. ..... :	6-12"/30-60lf
CYPES(30-40m^{-2}) ..... :	3-6"/3-9lf
CYPIR(10-20m^{-2})..... :	½-2"/1-3lf

Flush Dates ..... :	4/7/11, 4/20/11, 5/11/11
Permanent Flood..... :	5/19/11

*AMFF – Air mix flat fan nozzles

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Permit vs. Halomax

Trial ID: C11-15 Protocol ID: C11-15
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code							SEBEX	SEBEX	SEBEX	AESIN	AESIN
Rating Date							5/23/11	6/7/11	6/21/11	5/23/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							19 DAMPOST	34 DAMPOST	48 DAMPOST	19 DAMPOST	34 DAMPOST
Number of Decimals							0	0	0	0	0
1	Nontreated						0 b	0 b	0 c	0 b	0 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 ab	98 a	96 a
	Permit	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 a	98 a	96 a
	Permit	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 ab	98 a	95 a
	Permit	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	98 a	98 a	95 a
	Permit	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 a	98 a	96 a
	Permit	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	98 ab	98 a	96 a
	Permit	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	97 b	98 a	96 a
	Halomax	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 ab	98 a	96 a
	Halomax	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	98 a	98 a	96 a
	Halomax	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 a	98 a	95 a
	Halomax	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	98 a	98 a	95 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 a	98 a	98 a	95 a
	Halomax	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							0.3	0.8	0.7	0.5	1.1
Standard Deviation							0.2	0.6	0.5	0.3	0.8
CV							0.27	0.64	0.56	0.36	0.86
Grand Mean							90.38	87.85	90.31	90.35	88.0
Replicate F							5.333	0.649	1.220	2.182	0.711
Replicate Prob(F)							0.0038	0.5889	0.3164	0.1071	0.5517
Treatment F							51135.228	8812.623	11681.188	27868.276	4847.845
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	ALRPH	ALRPH	ALRPH	CYPES
Rating Date							6/21/11	5/23/11	6/7/11	6/21/11	5/23/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							48 DAMPOST	19 DAMPOST	34 DAMPOST	48 DAMPOST	19 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 b	0 b	0 b	0 c	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	13 a	10 a	15 b	95 cd
	Permit	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	10 a	13 a	15 b	96 bcd
	Permit	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	13 a	13 a	15 b	97 a-d
	Permit	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	10 a	15 a	25 b	98 ab
	Permit	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	11 a	15 a	40 a	98 a
	Permit	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	11 a	15 a	20 b	97 abc
	Permit	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	10 a	10 a	15 b	95 d
	Halomax	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	13 a	10 a	15 b	97 ab
	Halomax	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	11 a	10 a	15 b	98 ab
	Halomax	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	13 a	15 a	15 b	97 a-d
	Halomax	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	13 a	10 a	15 b	97 ab
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	10 a	13 a	20 b	97 ab
	Halomax	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							0.9	4.4	6.8	14.5	2.2
Standard Deviation							0.7	3.1	4.7	10.1	1.5
CV							0.73	29.55	41.65	58.51	1.72
Grand Mean							90.25	10.48	11.35	17.31	89.27
Replicate F							0.746	2.992	3.301	0.675	5.380
Replicate Prob(F)							0.5316	0.0436	0.0311	0.5730	0.0036
Treatment F							6715.420	4.621	2.914	3.025	1216.854
Treatment Prob(F)							0.0001	0.0002	0.0065	0.0050	0.0001

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Pest Code							CYPES	CYPES	RICE	RICE	RICE
Rating Date							6/7/11	6/21/11	5/23/11	6/7/11	6/21/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							34 DAMPOST	48 DAMPOST	19 DAMPOST	34 DAMPOST	48 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 b	0 c	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	97 ab	0 a	0 a	0 a
	Permit	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 ab	0 a	0 a	0 a
	Permit	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Permit	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	0 a	0 a	0 a
	Permit	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Permit	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Permit	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	97 b	0 a	0 a	0 a
	Halomax	0.0117	lb ai/a	0.25	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Halomax	0.0155	lb ai/a	0.33	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Halomax	0.0234	lb ai/a	0.50	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	0 a	0 a	0 a
	Halomax	0.0314	lb ai/a	0.67	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	0 a	0 a	0 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 ab	0 a	0 a	0 a
	Halomax	0.047	lb ai/a	1.00	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							2.0	0.9	0.0	0.0	0.0
Standard Deviation							1.4	0.6	0.0	0.0	0.0
CV							1.6	0.66	0.0	0.0	0.0
Grand Mean							88.38	90.27	0.0	0.0	0.0
Replicate F							0.689	1.504	0.000	0.000	0.000
Replicate Prob(F)							0.5647	0.2299	1.0000	1.0000	1.0000
Treatment F							1403.909	8222.768	0.000	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE
Rating Date							8/3/11	8/3/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	22
1	Nontreated						97 a	6157 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE		
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	7439 abc
	Permit	0.0117	lb ai/a	0.25	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7372 abc
	Permit	0.0155	lb ai/a	0.33	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	99 a	7520 ab
	Permit	0.0234	lb ai/a	0.50	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	6845 bcd
	Permit	0.0314	lb ai/a	0.67	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	6560 d
	Permit	0.035	lb ai/a	0.75	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7344 abc
	Permit	0.047	lb ai/a	1.00	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	7698 a
	Halomax	0.0117	lb ai/a	0.25	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	6700 cd
	Halomax	0.0155	lb ai/a	0.33	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	6744 cd
	Halomax	0.0234	lb ai/a	0.50	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7542 ab
	Halomax	0.0314	lb ai/a	0.67	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7928 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 a	7787 a
	Halomax	0.047	lb ai/a	1.00	oz wt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
LSD (P=.05)							9.0	769.6
Standard Deviation							6.3	538.5
CV							6.64	7.48
Grand Mean							94.48	7202.86
Replicate F							0.041	5.231
Replicate Prob(F)							0.9887	0.0042
Treatment F							1.014	4.058
Treatment Prob(F)							0.4566	0.0005

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Evaluation of Command PRE Followed by RiceBeaux/Command

Experiment number	**C11-16**
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	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	3WAE	4WAE
Date applied [mm/dd/yy]	04/05/11	05/05/11	05/09/11
Time [hh:mm-hh:mm]	9:00-9:05A	9:35-9:45A	10:00-10:05A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	48/60	61/60	83/77
Relative humidity [%]	60	72	63
Wind [mph, direction]	0-1,N	3-5,NE	5-9,SE
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	3-5lf/3-5"	4-5lf/3-5"
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	EPW	EPW	EPW

Weed Species (population)	(height/#leaves)	
CYPES(10-15m^{-2})	5-9"/4-7lf	6-12"/5-10lf
COMDI(3-5m^{-2})	1-3"/1-3lf	1-3"/1-3lf
ALRPH(1-5m^{-2})	2-5"/3-6lf	2-5"/5-10lf
AESIN(1-3m^{-2})	1-3"/2-4lf	2-4"/2-4lf
BRAPP(30-40m^{-2})	¼-1"/1-3lf	1-2"/2-4lf
CYPIR(20-30m^{-2})	1-2"/3-5lf	½-1"/1-3lf
ECLAL(10-15m^{-2})	½-2"/cot-8lf	¼-1"/cot-4lf
CNPPA(1-3m^{-2})	½-2"/cot-2lf	1-3"/2-4lf
ECHCG(10-20m^{-2})	¼-1"/1-3lf	1-2"/2-4lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Evaluation of Command PRE Followed by RiceBeaux/Command

Trial ID: C11-16 Protocol ID: C11-16
Location: RRS-Crowley, LA Study Director:

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							5/10/11	5/26/11	6/7/11	6/20/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							5 DA 3 WAE	17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE	5 DA 3 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 d	0 d	0 d
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	97 a	97 a	95 abc	97 ab
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	95 a	97 a	96 ab	0 d
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	97 a	97 ab
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	92 ab	95 ab	96 ab	0 d
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	97 a	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	96 a	97 a	97 a	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	97 a	97 a	97 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	97 a	97 a	97 ab	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 b	88 bc	96 a	94 bc	93 b
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	88 bc	93 bc	93 c	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 b	85 c	93 c	95 abc	75 c
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							2.7	6.0	2.4	3.2	4.7
Standard Deviation							1.9	4.2	1.7	2.2	3.3
CV							4.0	4.88	1.9	2.52	7.03
Grand Mean							47.35	85.65	87.85	87.77	46.31
Replicate F							0.191	3.673	5.196	3.274	0.757
Replicate Prob(F)							0.9017	0.0218	0.0047	0.0332	0.5263
Treatment F							2725.112	171.065	1107.460	624.368	896.451
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	AESIN	AESIN
Rating Date							5/26/11	6/7/11	6/20/11	5/10/11	5/26/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE	5 DA 3 WAE	17 DA 4 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 c	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	95 a	96 a	98 a
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	93 a	0 c	98 a
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	95 a	98 a
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 ab	93 a	0 c	98 a
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	97 a	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	0 c	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	96 a	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	0 c	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 b	96 ab	85 b	73 b	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 b	93 bc	80 b	0 c	98 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 b	93 c	79 b	78 b	94 b
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							3.0	2.5	6.9	6.0	3.8
Standard Deviation							2.1	1.7	4.8	4.2	2.6
CV							2.37	1.99	5.66	9.33	2.9
Grand Mean							88.71	87.85	84.15	44.5	89.46
Replicate F							2.667	4.731	0.705	3.755	1.000
Replicate Prob(F)							0.0638	0.0075	0.5559	0.0200	0.4051
Treatment F							708.344	1008.037	132.213	514.015	471.312
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	ALRPH	ALRPH	ECLAL
Rating Date							5/10/11	5/26/11	6/7/11	6/20/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							5 DA 3 WAE	17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE	5 DA 3 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 c	0 c	0 e
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	65 a	88 ab	26 b	33 ab	84 b
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	80 abc	26 b	33 ab	0 e
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	55 b	86 ab	29 ab	30 b	93 a
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	85 ab	21 b	31 ab	0 e
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	65 a	94 a	44 a	43 a	96 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	89 ab	33 ab	38 ab	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	66 a	88 ab	33 ab	33 ab	96 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	92 a	31 ab	28 b	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 b	82 abc	21 b	30 b	64 d
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	73 bc	26 b	29 b	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	66 c	24 b	29 b	73 c
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							6.6	16.8	17.0	11.4	7.0
Standard Deviation							4.6	11.6	11.7	7.9	4.9
CV							18.3	15.12	44.93	26.74	11.53
Grand Mean							25.1	76.85	26.15	29.48	42.06
Replicate F							0.354	5.309	4.502	3.518	0.655
Replicate Prob(F)							0.7867	0.0043	0.0094	0.0257	0.5856
Treatment F							186.137	19.194	3.058	6.665	342.065
Treatment Prob(F)							0.0001	0.0001	0.0063	0.0001	0.0001

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Pest Code							ECLAL	ECLAL	ECLAL	CNPPA	CNPPA
Rating Date							5/26/11	6/7/11	6/20/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 c	0 c	0 f	0 e
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	94 ab	93 a	88 a	91 a
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 b	95 ab	93 a	81 ab	69 b
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	97 a	93 a	89 a	88 a
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	88 ab	91 a	65 cde	56 cd
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	93 a	83 ab	93 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	97 a	92 a	76 abc	73 b
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	93 ab	93 a	86 a	93 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	95 ab	93 a	73 bcd	61 bcd
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 b	90 ab	92 a	61 de	56 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 b	86 b	93 a	55 e	54 d
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 b	94 ab	81 b	70 bcd	68 bc
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							6.1	10.1	7.0	13.0	12.4
Standard Deviation							4.2	7.0	4.8	9.0	8.6
CV							4.99	8.19	5.74	13.09	12.82
Grand Mean							84.92	85.35	84.04	68.85	66.79
Replicate F							3.017	0.826	1.732	2.213	1.416
Replicate Prob(F)							0.0437	0.4890	0.1796	0.1051	0.2556
Treatment F							160.946	60.072	122.326	28.932	36.444
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	CYPES	CYPES	CYPIR
Rating Date							5/10/11	5/26/11	6/7/11	6/20/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							5 DA 3 WAE	17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE	5 DA 3 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 e	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	71 a	86 ab	75 bc	83 a	91 ab
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	83 b	73 bc	80 a	0 c
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	55 b	93 a	89 a	89 a	89 b
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	81 b	68 c	90 a	0 c
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	74 a	94 a	88 a	90 a	94 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	85 ab	83 ab	90 a	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	75 a	93 a	93 a	90 a	93 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	85 ab	91 a	91 a	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 e	0 c	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 d	0 e	0 c	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	53 c	26 d	16 b	0 c
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							4.5	8.8	12.3	11.6	2.9
Standard Deviation							3.1	6.1	8.5	8.0	2.0
CV							13.69	9.76	14.96	13.36	6.5
Grand Mean							22.92	62.67	56.98	59.9	30.52
Replicate F							0.423	3.948	0.849	0.355	0.133
Replicate Prob(F)							0.7377	0.0164	0.4772	0.7857	0.9400
Treatment F							474.962	164.900	82.069	108.035	2069.916
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPIR	CYPIR	COMDI	COMDI	COMDI
Rating Date							5/26/11	6/20/11	5/10/11	5/26/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							17 DA 4 WAE	42 DA 4 WAE	5 DA 3 WAE	17 DA 4 WAE	29 DA 4 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 d	0 d	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	88 a	71 b	96 ab	86 ab
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 b	86 a	0 d	92 ab	95 ab
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	89 a	65 b	98 a	96 a
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 b	90 a	0 d	92 ab	95 ab
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	90 a	80 a	98 a	97 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	90 a	0 d	98 a	97 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	89 a	73 ab	98 a	92 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 ab	91 a	0 d	98 a	93 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	83 c	80 b	55 c	96 ab	95 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 d	0 d	96 ab	83 b
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	61 d	30 c	53 c	88 b	93 ab
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							5.0	6.2	8.3	7.8	12.0
Standard Deviation							3.4	4.3	5.7	5.4	8.3
CV							4.56	6.3	17.39	6.14	9.74
Grand Mean							75.5	68.54	33.02	87.56	85.17
Replicate F							0.983	0.634	3.344	1.847	1.453
Replicate Prob(F)							0.4125	0.5984	0.0308	0.1578	0.2452
Treatment F							454.280	281.156	150.599	106.537	42.789
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							COMDI	RICE	RICE	RICE	RICE
Rating Date							6/20/11	5/10/11	5/26/11	6/7/11	6/20/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DA 4 WAE	5 DA 3 WAE	17 DA 4 WAE	29 DA 4 WAE	42 DA 4 WAE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 d	0 d	0 a	0 a	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	30 a	6 a	0 a	0 a
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 abc	0 d	4 a	0 a	0 a
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	23 b	5 a	0 a	0 a
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 c	0 d	0 a	0 a	0 a
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 abc	28 ab	5 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceBeaux	3	qt/a	3	qt/a	3 WAE					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	0 d	3 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceBeaux	3	qt/a	3	qt/a	4 WAE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 abc	25 ab	4 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	RiceShot	3	lb ai/a	3	qt/a	3 WAE					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 abc	0 d	1 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	RiceShot	3	lb ai/a	3	qt/a	4 WAE					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	86 bc	13 c	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 abc	0 d	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE					
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 abc	3 d	1 a	0 a	0 a
	Facet	0.38	lb ai/a	0.507	lb/a	PRE					
LSD (P=.05)							5.5	6.6	5.6	0.0	0.0
Standard Deviation							3.8	4.6	3.8	0.0	0.0
CV							4.62	45.51	160.51	0.0	0.0
Grand Mean							81.77	10.0	2.4	0.0	0.0
Replicate F							1.398	1.878	1.820	0.000	0.000
Replicate Prob(F)							0.2608	0.1525	0.1628	1.0000	1.0000
Treatment F							187.077	30.732	1.418	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	0.2110	1.0000	1.0000

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Pest Code							RICE	RICE
Rating Date							8/3/11	8/3/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	39	42
1	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 a	4944 e
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	99 a	6463 bcd
	RiceBeaux	3	qt/a	3	qt/a	3 WAE		
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	5710 de
	RiceBeaux	3	qt/a	3	qt/a	4 WAE		
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	7148 abc
	RiceShot	3	lb ai/a	3	qt/a	3 WAE		
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	6288 cd
	RiceShot	3	lb ai/a	3	qt/a	4 WAE		
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	8013 a
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE		
	RiceBeaux	3	qt/a	3	qt/a	3 WAE		
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	7407 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE		
	RiceBeaux	3	qt/a	3	qt/a	4 WAE		
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7340 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE		
	RiceShot	3	lb ai/a	3	qt/a	3 WAE		
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	7679 a
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE		
	RiceShot	3	lb ai/a	3	qt/a	4 WAE		
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	6201 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	3 WAE		
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 WAE		
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 a	5820 de
	Command	0.3	lb ai/a	12.8	fl oz/a	4 WAE		
	Agri-Dex	1	% v/v	19.2	fl oz/a	4 WAE		
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	5470 de
	Facet	0.38	lb ai/a	0.507	lb/a	PRE		
LSD (P=.05)							6.0	1000.3
Standard Deviation							4.2	692.7
CV							4.41	10.59
Grand Mean							94.52	6540.2
Replicate F							2.234	1.921
Replicate Prob(F)							0.1026	0.1454
Treatment F							1.852	7.814
Treatment Prob(F)							0.0844	0.0001

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RiceBeaux and RicePro Combinations with Newpath and Beyond

Experiment number	**C11-17**
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	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	04/11/11	05/09/11
Time [hh:mm-hh:mm]	1:45-1:55P	1:40-2:00P
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	83/80	85/82
Relative humidity [%]	60	64
Wind [mph, direction]	7-10,SW	7-10,SE
Weather [sunny, etc]	cloudy	pt cloudy
Soil/Leaf surface moist	dry/N/A	dry/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	15/23
Applied by	JCF	JCF

Weed Species (population)	---------- (height/#leaves) ----------
ORYSA(20-30m^{-2})	2-4"/3-4lf
ECHCG(70-80m^{-2})	1-4"/2-4lf
BRAPP(15-30m^{-2})	1-4"/2-4lf
CYPES(10-15m^{-2})	3-6"/3-9lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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RiceBeaux and RicePro Combinations with Newpath and Beyond

Trial ID: C11-17 Protocol ID: C11-17
Location: RRS-Crowley, LA Study Director:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ORYSA	ECHCG
Rating Date							5/18/11	5/23/11	6/7/11	6/20/11	7/5/11	5/18/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	14 DAT	27 DAT	42 DAT	57 DAT	9 DAT
Number of Decimals							0	0	0	0	0	0
1	Nontreated						0 b	0 b	0 c	0 c	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 b	0 b	0 c	0 c	84 b	35 b
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 a	98 a	98 a	96 a	93 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	90 a	98 a	97 b	97 a	93 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	94 a	98 a	98 a	98 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	91 a	97 b	98 a	97 a	95 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 a	98 a	98 a	98 a	96 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	91 a	98 a	97 ab	96 a	97 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	94 a	98 a	98 a	96 a	96 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	90 a	98 a	98 a	96 a	93 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 a	98 a	98 a	97 a	94 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	91 a	98 a	98 a	97 a	95 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
LSD (P=.05)							2.2	4.1	0.6	0.9	3.8	5.6
Standard Deviation							1.5	2.8	0.4	0.6	2.6	3.9
CV							1.92	3.71	0.53	0.79	3.03	4.75
Grand Mean							80.54	76.63	81.6	81.48	87.52	81.88
Replicate F							0.314	3.032	1.000	1.658	0.343	1.869
Replicate Prob(F)							0.8149	0.0430	0.4051	0.1951	0.7940	0.1540
Treatment F							2372.683	634.319	30996.720	13970.901	441.229	254.483
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							5/23/11	6/7/11	6/20/11	7/5/11	5/18/11	5/23/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							14 DAT	27 DAT	42 DAT	57 DAT	9 DAT	14 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Nontreated						0 c	0 c	0 d	0 d	0 d	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	64 b	75 b	66 c	64 c	39 c	81 b
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	84 a	97 a	94 ab	85 b	92 b	90 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	84 a	98 a	94 ab	90 ab	95 ab	92 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	97 a	95 a	97 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	86 a	97 a	97 a	91 ab	97 a	89 ab
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	98 a	97 a	94 a	97 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	81 a	98 a	93 b	89 ab	98 a	95 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	98 a	97 a	93 ab	97 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 a	98 a	97 a	96 a	97 a	97 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	98 a	97 a	94 a	97 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 a	98 a	96 ab	88 ab	97 a	98 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
LSD (P=.05)							14.9	2.0	3.6	8.4	4.3	9.8
Standard Deviation							10.3	1.4	2.5	5.8	3.0	6.8
CV							13.07	1.55	2.95	7.16	3.54	7.86
Grand Mean							79.04	87.79	85.31	81.48	83.54	86.02
Replicate F							0.519	0.435	0.880	0.967	0.915	1.419
Replicate Prob(F)							0.6722	0.7292	0.4613	0.4201	0.4442	0.2547
Treatment F							25.813	1745.210	502.695	85.958	441.935	66.607
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	CYPES	CYPES	CYPES
Rating Date							6/7/11	6/20/11	7/5/11	5/18/11	5/23/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							27 DAT	42 DAT	57 DAT	9 DAT	14 DAT	27 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Nontreated						0 b	0 c	0 d	0 d	0 e	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	96 c	58 c	60 d	94 b
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 ab	86 b	66 cd	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 ab	98 ab	90 ab	70 bcd	98 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	92 ab	84 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	98 ab	91 ab	81 a	97 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceBeaux	4	qt/a	4	qt/a	MPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 ab	98 a	91 ab	84 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 bc	91 ab	76 abc	98 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	3	lb ai/a	3	qt/a	MPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 ab	93 ab	84 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 b	98 a	86 b	80 ab	98 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RicePro	4.2	lb ai/a	4	qt/a	MPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	90 ab	86 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 ab	98 a	95 a	79 ab	98 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST						
	RiceShot	4	lb ai/a	4	qt/a	MPOST						
LSD (P=.05)							2.4	0.7	1.2	7.0	11.2	2.7
Standard Deviation							1.6	0.5	0.8	4.8	7.7	1.9
CV							1.83	0.5	0.95	6.02	10.91	2.09
Grand Mean							89.44	89.71	89.27	80.23	70.83	89.4
Replicate F							0.756	3.667	1.190	0.504	2.395	0.725
Replicate Prob(F)							0.5267	0.0220	0.3286	0.6825	0.0859	0.5441
Treatment F							1188.385	15608.409	4406.784	125.984	37.624	913.680
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	RICE	RICE	RICE	RICE	RICE
Rating Date							6/20/11	7/5/11	5/18/11	5/23/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							42 DAT	57 DAT	9 DAT	14 DAT	27 DAT	42 DAT	57 DAT
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24	25
1	Nontreated						0 b	0 c	0 a	0 a	0 a	0 a	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	94 b	0 a	0 a	0 a	0 a	0 a
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST							
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST							
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST							
	RiceBeaux	4	qt/a	4	qt/a	MPOST							
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST							
	RiceBeaux	4	qt/a	4	qt/a	MPOST							
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST							
	RiceShot	3	lb ai/a	3	qt/a	MPOST							
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	0 a	0 a	0 a	0 a	0 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST							
	RiceShot	3	lb ai/a	3	qt/a	MPOST							
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	0 a	0 a	0 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST							
	RicePro	4.2	lb ai/a	4	qt/a	MPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST							
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST							
	RicePro	4.2	lb ai/a	4	qt/a	MPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST							
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST							
	RiceShot	4	lb ai/a	4	qt/a	MPOST							
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	4 a	4 a	0 a	0 a	0 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST							
	RiceShot	4	lb ai/a	4	qt/a	MPOST							
LSD (P=.05)							0.8	2.0	3.1	3.1	0.0	0.0	0.0
Standard Deviation							0.5	1.4	2.2	2.2	0.0	0.0	0.0
CV							0.6	1.56	692.82	692.82	0.0	0.0	0.0
Grand Mean							89.69	89.1	0.31	0.31	0.0	0.0	0.0
Replicate F							0.265	0.676	1.000	1.000	0.000	0.000	0.000
Replicate Prob(F)							0.8503	0.5727	0.4051	0.4051	1.0000	1.0000	1.0000
Treatment F							11060.765	1643.865	1.000	1.000	0.000	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	0.4671	0.4671	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE
Rating Date							8/8/11	8/8/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	29	32
1	Nontreated						75 c	3225 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 ab	6632 b
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	7650 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7500 ab
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	7758 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST		
	RiceBeaux	4	qt/a	4	qt/a	MPOST		
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	8125 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST		
	RiceBeaux	4	qt/a	4	qt/a	MPOST		
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	7863 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST		
	RiceShot	3	lb ai/a	3	qt/a	MPOST		
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	7960 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST		
	RiceShot	3	lb ai/a	3	qt/a	MPOST		
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	8013 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST		
	RicePro	4.2	lb ai/a	4	qt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 ab	8172 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST		
	RicePro	4.2	lb ai/a	4	qt/a	MPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST		
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	7678 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	MPOST		
	RiceShot	4	lb ai/a	4	qt/a	MPOST		
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 b	7942 a
	Beyond	0.039	lb ai/a	5	fl oz/a	MPOST		
	RiceShot	4	lb ai/a	4	qt/a	MPOST		
LSD (P=.05)							4.7	1049.4
Standard Deviation							3.3	726.7
CV							3.59	9.85
Grand Mean							91.54	7376.39
Replicate F							2.597	1.021
Replicate Prob(F)							0.0689	0.3961
Treatment F							11.091	14.191
Treatment Prob(F)							0.0001	0.0001

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Newpath and EC Formulation Study

Experiment number..... : **C11-18**
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 ..... : 04/11/11
Harvest date..... : N/A
Crop/Variety ..... : CL131
Emergence date..... : 04/29/11
Uniform std. treatment..... : Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/02/11
Time [hh:mm-hh:mm]..... : 2:30-2:50P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 85/82
Relative humidity [%]..... : 62
Wind [mph, direction] ..... : 7-9,S
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 1-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/23
Applied by..... : EPW

Weed Species (population)..... : (height/#leaves)
ORYSA(75-100m^{-2})..... : 1-4"/1-4lf
ECHCG(50-75m^{-2})..... : 1-4"/1-4lf
BRAPP(50-60m^{-2})……..... : 1-4"/1-4lf
ALRPH(2-3m^{-2})..... : 6-12"/20-40lf

Flush Dates ..... : 4/13/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/26/11

*AMFF – Air mix flat fan nozzles

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Newpath and EC Formulation Study

Trial ID: C11-18 Protocol ID: C11-18
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							5/18/11	5/24/11	6/8/11	6/20/11	5/18/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	22 DAT	37 DAT	49 DAT	16 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 b	89 c	95 a	95 ab	91 b	81 bcd
	Agri-Dex	1	% v/v	1	% v/v	EPOST						
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 a	90 bc	95 a	94 ab	92 ab	81 bcd
	Stam M4	2	lb ai/a	4	pt/a	EPOST						
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	96 a	93 abc	90 b	96 ab	95 a	89 ab
	Prowl	1	lb ai/a	2.42	pt/a	EPOST						
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	93 abc	94 a	95 ab	90 bc	85 a-d
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST						
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 b	89 c	95 a	90 c	78 e	78 d
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	91 abc	94 a	93 bc	81 d	79 cd
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST						
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	95 a	96 a	97 a	93 ab	88 abc
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	94 ab	94 a	96 ab	95 a	93 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	90 bc	95 a	93 bc	90 bc	79 cd
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	90 bc	94 a	95 ab	88 c	85 a-d
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST						
11	Nontreated						0 c	0 d	0 c	0 d	0 f	0 e
LSD (P=.05)							1.9	4.4	2.6	3.6	3.5	9.6
Standard Deviation							1.3	3.0	1.8	2.5	2.4	6.6
CV							1.54	3.63	2.13	2.93	2.97	8.73
Grand Mean							86.34	82.95	85.48	85.55	81.11	76.02
Replicate F							0.082	0.083	1.586	0.608	4.502	1.113
Replicate Prob(F)							0.9694	0.9686	0.2135	0.6153	0.0101	0.3591
Treatment F							1864.394	334.850	976.468	514.554	517.748	59.724
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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W Weed	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code						ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date						6/8/11	6/20/11	5/18/11	5/24/11	6/8/11	6/20/11
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%	%
Trt-Eval Interval						37 DAT	49 DAT	16 DAT	22 DAT	37 DAT	49 DAT
Number of Decimals						0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 d	83 ab	95 ab	98 a	98 a	98 a
	Agri-Dex	1	% v/v	1	% v/v	EPOST						
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 d	78 b	95 abc	98 a	98 a	97 a
	Stam M4	2	lb ai/a	4	pt/a	EPOST						
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 bc	91 a	97 a	97 ab	98 a	98 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST						
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	84 ab	94 abc	97 ab	98 a	98 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST						
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 bc	74 b	91 c	97 b	98 b	98 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 abc	84 ab	93 bc	97 ab	98 a	98 a
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST						
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 ab	84 ab	96 ab	98 a	98 a	98 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 cd	90 a	96 ab	98 a	98 a	98 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	75 e	83 ab	95 ab	97 ab	98 a	98 a
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	92 a	95 abc	98 a	98 a	98 a
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST						
11	Nontreated						0 f	0 c	0 d	0 c	0 c	0 b
LSD (P=.05)							4.0	10.7	3.6	1.4	0.2	0.8
Standard Deviation							2.8	7.4	2.5	1.0	0.2	0.5
CV							3.47	9.65	2.9	1.1	0.17	0.6
Grand Mean							80.84	76.45	85.98	88.68	89.07	88.95
Replicate F							3.400	1.123	2.504	2.571	1.000	0.532
Replicate Prob(F)							0.0303	0.3552	0.0781	0.0727	0.4064	0.6639
Treatment F							382.292	49.421	525.973	3626.181	153586.609	12223.660
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	AESIN	ALRPH	ALRPH
Rating Date							5/18/11	5/24/11	6/8/11	6/20/11	5/18/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							16 DAT	22 DAT	37 DAT	49 DAT	16 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 ab	96 ab	98 a	98 a	30 e	80 a
	Agri-Dex	1	% v/v	1	% v/v	EPOST						
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	98 a	98 a	98 a	36 de	85 a
	Stam M4	2	lb ai/a	4	pt/a	EPOST						
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	97 ab	98 a	98 a	45 c	89 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST						
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	96 ab	98 a	98 a	44 cd	83 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST						
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	96 ab	98 a	97 a	91 ab	88 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	95 ab	98 a	98 a	88 ab	83 a
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST						
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	98 a	98 a	98 a	89 ab	83 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	93 b	98 a	98 a	90 ab	90 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST						
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	98 a	98 a	98 a	84 b	86 a
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST						
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 b	94 ab	98 a	98 a	93 a	90 a
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST						
11	Nontreated						0 c	0 c	0 b	0 b	0 f	0 b
LSD (P=.05)							4.2	4.5	0.4	0.8	8.4	11.6
Standard Deviation							2.9	3.1	0.3	0.5	5.8	8.1
CV							3.3	3.59	0.29	0.59	9.3	10.37
Grand Mean							87.45	87.43	89.02	88.95	62.68	77.75
Replicate F							0.377	0.266	1.250	1.000	0.458	1.759
Replicate Prob(F)							0.7700	0.8493	0.3092	0.4064	0.7138	0.1762
Treatment F							404.345	341.505	52306.095	12766.935	124.880	41.632
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	RICE	RICE	RICE	RICE	RICE
Rating Date							6/8/11	6/20/11	5/18/11	5/24/11	6/8/11	6/20/11	8/8/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	avg. height
Rating Unit							%	%	%	%	%	%	cm
Trt-Eval Interval							37 DAT	49 DAT	16 DAT	22 DAT	37 DAT	49 DAT	HARVEST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24	27
1	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 bc	94 b	0 a	0 b	0 a	0 a	84 bc
	Agri-Dex	1	% v/v	1	% v/v	EPOST							
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	80 c	97 a	0 a	0 b	0 a	0 a	88 ab
	Stam M4	2	lb ai/a	4	pt/a	EPOST							
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 ab	95 ab	0 a	0 b	0 a	0 a	89 ab
	Prowl	1	lb ai/a	2.42	pt/a	EPOST							
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 a	95 ab	0 a	1 a	0 a	0 a	88 ab
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST							
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 b	94 b	0 a	0 b	0 a	0 a	80 c
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST							
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 ab	94 b	0 a	0 b	0 a	0 a	86 abc
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST							
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 ab	94 b	1 a	0 b	0 a	0 a	90 ab
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST							
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 ab	95 ab	1 a	0 b	0 a	0 a	92 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST							
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 b	96 ab	0 a	0 b	0 a	0 a	91 ab
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST							
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 bc	95 ab	0 a	0 b	0 a	0 a	87 abc
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST							
11	Nontreated						0 d	0 c	0 a	0 b	0 a	0 a	69 d
LSD (P=.05)							5.5	2.4	1.6	1.1	0.0	0.0	7.7
Standard Deviation							3.8	1.7	1.1	0.8	0.0	0.0	5.3
CV							4.85	1.94	476.79	663.33	0.0	0.0	6.21
Grand Mean							78.86	86.11	0.23	0.11	0.0	0.0	85.86
Replicate F							1.085	0.833	0.645	1.000	0.000	0.000	0.760
Replicate Prob(F)							0.3703	0.4864	0.5921	0.4064	1.0000	1.0000	0.5253
Treatment F							189.341	1169.653	0.871	1.000	0.000	0.000	5.919
Treatment Prob(F)							0.0001	0.0001	0.5690	0.4654	1.0000	1.0000	0.0001

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Beyond and EC Formulation Study

Experiment number..... : **C11-19**
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 ..... : 04/11/11
Harvest date..... : N/A
Crop/Variety ..... : CL 131
Emergence date..... : 04/29/11
Uniform std. treatment..... : Newpath at 4 oz/A LPOST; Beyond at 5 oz/A PI+14

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/02/11
Time [hh:mm-hh:mm]..... : 3:05-3:15P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 85/82
Relative humidity [%]..... : 62
Wind [mph, direction] ..... : 7-9,S
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 1-3lf/2-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/23
Applied by..... : EPW

Weed Species (population) ..... :- (height/#leaves) -
ORYSA(75-100m^{-2})..... : 1-4"/1-4lf
ECHCG(50-75m^{-2})..... : 1-4"/1-4lf
BRAPP(50-60m^{-2})……..... : 1-4"/1-4lf
SEBEX(4-10m^{-2})..... : 1-4"/1-5lf

Flush Dates ..... : 4/13/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/26/11

*AMFF – Air mix flat fan nozzles

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Beyond and EC Formulation study

Trial ID: C11-19 Protocol ID: C11-19
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ECHCG
Rating Date							18/5/11	24/5/11	8/6/11	21/6/11	18/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							16 DAEPOST	22 DAEPOST	37 DAEPOST	50 DAEPOST	16 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	91 b	90 a	94 a	78 de	74 de
	Agri-Dex	1	% v/v	1	% v/v	EPOST					
2	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	94 a	90 a	95 a	80 cde	65 e
	Stam M4	2	lb ai/a	4	pt/a	EPOST					
3	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	95 a	93 a	94 a	89 ab	84 a-d
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
4	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	95 a	91 a	95 a	88 abc	85 abc
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
5	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	94 a	89 a	95 a	76 e	79 cd
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	95 a	93 a	95 a	91 ab	86 abc
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST					
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	95 a	89 a	95 a	85 bcd	93 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST					
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	95 a	91 a	94 a	96 a	90 ab
	Command	0.3	lb ai/a	0.8	pt/a	EPOST					
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	94 a	91 a	95 a	88 abc	81 bcd
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST					
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	94 a	93 a	96 a	95 a	90 ab
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST					
11	Nontreated						0 c	0 b	0 b	0 f	0 f
LSD (P=.05)							2.3	5.6	2.5	8.6	10.1
Standard Deviation							1.6	3.9	1.7	6.0	7.0
CV							1.89	4.68	2.02	7.61	9.27
Grand Mean							85.57	82.61	86.05	78.61	75.11
Replicate F							1.957	0.443	0.592	2.857	0.794
Replicate Prob(F)							0.1418	0.7240	0.6252	0.0536	0.5071
Treatment F							1234.565	201.213	1078.836	80.679	56.465
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							24/5/11	8/6/11	21/6/11	18/5/11	24/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22 DAEPOST	37 DAEPOST	50 DAEPOST	16 DAEPOST	22 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	73 bc	81 de	63 cd	90 c	98 a
	Agri-Dex	1	% v/v	1	% v/v	EPOST					
2	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	70 cd	78 e	55 d	90 c	98 a
	Stam M4	2	lb ai/a	4	pt/a	EPOST					
3	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	83 a	92 abc	83 ab	96 ab	98 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
4	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	85 a	95 ab	83 ab	95 ab	98 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
5	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	61 d	85 b-e	55 d	93 bc	98 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	84 a	95 a	89 a	96 ab	98 a
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST					
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	84 a	85 cde	79 ab	97 a	98 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST					
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	83 a	88 a-d	86 a	95 ab	98 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST					
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	80 ab	79 de	70 bc	93 bc	98 a
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST					
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	80 ab	93 abc	86 a	95 ab	98 a
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST					
11	Nontreated						0 e	0 f	0 e	0 d	0 b
LSD (P=.05)							9.3	9.9	13.6	3.9	0.4
Standard Deviation							6.4	6.9	9.4	2.7	0.3
CV							9.06	8.68	13.88	3.14	0.34
Grand Mean							71.02	79.02	67.91	85.41	89.0
Replicate F							3.122	1.482	0.303	1.739	0.645
Replicate Prob(F)							0.0405	0.2394	0.8232	0.1803	0.5921
Treatment F							58.755	61.693	29.742	449.027	37101.586
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	ALRPH	ALRPH	ALRPH
Rating Date							8/6/11	21/6/11	18/5/11	24/5/11	8/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							37 DAEPOST	50 DAEPOST	16 DAEPOST	22 DAEPOST	37 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	95 ab	91 b	90 ab	89 a
	Agri-Dex	1	% v/v	1	% v/v	EPOST					
2	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	95 b	95 a	86 ab	91 a
	Stam M4	2	lb ai/a	4	pt/a	EPOST					
3	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	95 ab	95 a	91 ab	90 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
4	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	97 ab	95 a	90 ab	95 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
5	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	97 ab	94 ab	91 a	91 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	97 ab	95 a	91 ab	95 a
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST					
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	95 b	94 ab	83 b	93 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST					
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	97 b	98 a	96 a	93 a	93 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST					
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	97 ab	95 a	90 ab	93 a
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST					
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	98 a	98 a	95 a	90 ab	94 a
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST					
11	Nontreated						0 c	0 c	0 c	0 c	0 b
LSD (P=.05)							0.8	3.4	3.0	8.3	6.4
Standard Deviation							0.6	2.3	2.1	5.7	4.4
CV							0.65	2.67	2.43	7.07	5.29
Grand Mean							88.86	87.48	85.84	81.27	83.98
Replicate F							1.892	1.302	0.812	4.241	0.263
Replicate Prob(F)							0.1523	0.2919	0.4971	0.0130	0.8518
Treatment F							10332.028	617.386	745.856	88.914	158.275
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	RICE	RICE	RICE	RICE
Rating Date							21/6/11	18/5/11	24/5/11	8/6/11	21/6/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							50 DAEPOST	16 DAEPOST	22 DAEPOST	37 DAEPOST	50 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	88 a	0 a	0 a	0 a	0 a
	Agri-Dex	1	% v/v	1	% v/v	EPOST					
2	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	85 a	0 a	0 a	0 a	0 a
	Stam M4	2	lb ai/a	4	pt/a	EPOST					
3	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	83 a	0 a	0 a	0 a	0 a
	Prowl	1	lb ai/a	2.42	pt/a	EPOST					
4	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	86 a	0 a	0 a	0 a	0 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST					
5	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	84 a	0 a	0 a	0 a	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	86 a	0 a	0 a	0 a	0 a
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST					
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	85 a	0 a	0 a	0 a	0 a
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST					
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	86 a	0 a	0 a	0 a	0 a
	Command	0.3	lb ai/a	0.8	pt/a	EPOST					
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	81 a	0 a	0 a	0 a	0 a
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST					
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	86 a	0 a	0 a	0 a	0 a
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST					
11	Nontreated						0 b	0 a	0 a	0 a	0 a
LSD (P=.05)							7.3	0.0	0.0	0.0	0.0
Standard Deviation							5.1	0.0	0.0	0.0	0.0
CV							6.56	0.0	0.0	0.0	0.0
Grand Mean							77.27	0.0	0.0	0.0	0.0
Replicate F							0.530	0.000	0.000	0.000	0.000
Replicate Prob(F)							0.6650	1.0000	1.0000	1.0000	1.0000
Treatment F							102.685	0.000	0.000	0.000	0.000
Treatment Prob(F)							0.0001	1.0000	1.0000	1.0000	1.0000

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Pest Code	RICE
Rating Date	8/8/11
Rating Data Type	AVG. HEIGHT
Rating Unit	cm
Trt-Eval Interval	HARVEST
Number of Decimals	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	23
1	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	77 de
	Agri-Dex	1	% v/v	1	% v/v	EPOST	
2	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	84 bcd
	Stam M4	2	lb ai/a	4	pt/a	EPOST	
3	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	91 ab
	Prowl	1	lb ai/a	2.42	pt/a	EPOST	
4	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	96 a
	Prowl H2O	1	lb ai/a	2.1	pt/a	EPOST	
5	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	80 cde
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST	
6	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	94 ab
	Bolero	2.25	lb ai/a	2.25	pt/a	EPOST	
7	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	79 cde
	RiceBeaux	1.5	lb ai/a	4	pt/a	EPOST	
8	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	89 abc
	Command	0.3	lb ai/a	0.8	pt/a	EPOST	
9	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	87 a-d
	Drive	0.375	lb ai/a	32	fl oz/a	EPOST	
10	Beyond	0.039	lb ai/a	5	fl oz/a	EPOST	90 abc
	Alert	0.3	lb ai/a	0.8	pt/a	EPOST	
11	Nontreated						71 e

LSD (P=.05)	10.4
Standard Deviation	7.2
CV	8.46
Grand Mean	85.3
Replicate F	1.525
Replicate Prob(F)	0.2283
Treatment F	4.755
Treatment Prob(F)	0.0004

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Hemp Sesbania Competition--Weed Removal

Experiment number	**C11-22**
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	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	12.8 oz/A Command PRE; 3 qt/A Propanil + 1 oz/A Permit POST N/A

Application type	PRE	Emergence
Date applied [mm/dd/yy]	04/05/11	04/19/11
Time [hh:mm-hh:mm]	7:20-7:30A	9:30-9:40A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/63	80/72
Relative humidity [%]	60	76
Wind [mph, direction]	0-1,N	10-15,SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	emergence/0-¼"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	15/5/15
GPA/PSI	15/24	15/23
Applied by	EPW	EPW

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Hemp Sesbania Competition--Weed Removal

Trial ID: C11-22 Protocol ID: C11-22
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/3/11	8/3/11
Rating Data Type							AVG. HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
1	Weed Free						100 a	61 a	8741 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST			
	Permit	0.03525	lb ai/a	0.75	oz wt/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Beyond	0.039	lb ai/a	5	fl oz/a	POSTFLOOD			
	Agri-Dex	1	% v/v	19.2	fl oz/a	POSTFLOOD			
2	Removal at 1 WAE						96 c	60 a	8164 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
3	Removal at 2 WAE						99 abc	54 a	7455 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
4	Removal at 3 WAE						99 ab	53 a	8462 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
5	Removal at 4 WAE						98 abc	61 a	9142 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
6	Removal at 5 WAE						99 abc	55 a	8314 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
7	Removal at 6 WAE						98 abc	59 a	8403 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
8	Removal at 7 WAE						98 abc	53 a	8247 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
9	Removal at 8 WAE						100 ab	55 a	9191 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
10	Removal at 9 WAE						98 abc	57 a	8080 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			

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Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/3/11	8/3/11
Rating Data Type							AVG. HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
11	Removal at 10 WAE						98 bc	63 a	8284 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
LSD (P=.05)							2.5	12.2	1658.0
Standard Deviation							1.8	8.5	1148.3
CV							1.79	14.75	13.66
Grand Mean							98.41	57.34	8407.47
Replicate F							2.474	1.767	1.060
Replicate Prob(F)							0.0807	0.1747	0.3805
Treatment F							1.617	0.721	0.725
Treatment Prob(F)							0.1496	0.6990	0.6947

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Indian Jointvetch Competition--Weed Removal

Experiment number	**C11-23**
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	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	12.8 oz/A Command PRE; 3 qt/A Propanil + 1 oz/A Permit POST

Application type	PRE	Emergence
Date applied [mm/dd/yy]	04/05/11	04/19/11
Time [hh:mm-hh:mm]	8:00-8:10A	9:30-9:40A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/63	80/72
Relative humidity [%]	60	76
Wind [mph, direction]	0-1,N	10-15,SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	emergence/0-¼"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	15/5/15
GPA/PSI	15/24	15/23
Applied by	EPW	EPW

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Indian Jointvetch Competition--Weed Removal

Trial ID: C11-23 Protocol ID: C11-23
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/3/11	8/3/11
Rating Data Type							AVG HEIGHT	STEM	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
ARM Action Codes							T3		T2
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
1	Weed Free						99 b	57 a	8973 abc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST			
	Permit	0.03525	lb ai/a	0.75	oz wt/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Beyond	0.039	lb ai/a	5	fl oz/a	POSTFLOOD			
	Agri-Dex	1	% v/v	19.2	fl oz/a	POSTFLOOD			
2	Removal at 1 WAE						99 b	68 a	9021 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
3	Removal at 2 WAE						100 ab	64 a	8903 abc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
4	Removal at 3 WAE						97 b	64 a	8949 abc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
5	Removal at 4 WAE						103 a	63 a	8987 abc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
6	Removal at 5 WAE						100 ab	65 a	9237 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
7	Removal at 6 WAE						101 ab	57 a	8632 bc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
8	Removal at 7 WAE						99 b	56 a	8990 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
9	Removal at 8 WAE						100 ab	57 a	9779 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
10	Removal at 9 WAE						101 ab	57 a	9022 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			

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Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/3/11	8/3/11
Rating Data Type							AVG HEIGHT	STEM	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
ARM Action Codes							T3		T2
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
11	Removal at 10 WAE						100 ab	66 a	8082 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
LSD (P=.05)							3.8	12.9	906.6
Standard Deviation							2.6	9.0	627.9
CV							2.63	14.66	7.01
Grand Mean							99.9	61.07	8961.41
Replicate F							4.320	1.866	4.620
Replicate Prob(F)							0.0120	0.1566	0.0090
Treatment F							1.365	0.997	1.663
Treatment Prob(F)							0.2433	0.4680	0.1364

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Hemp Sesbania Competition--Weed Planting

Experiment number	**C11-24**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	12.8 oz/A Command PRE; 3 qt/A Propanil + 1 oz/A Permit POST

Application type	PRE	Emergence
Date applied [mm/dd/yy]	04/05/11	04/19/11
Time [hh:mm-hh:mm]	7:50-8:00A	9:30-9:40A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/63	80/72
Relative humidity [%]	60	76
Wind [mph, direction]	0-1,N	10-15,SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	emergence/0-¼"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	15/5/15
GPA/PSI	15/24	15/23
Applied by	EPW	EPW

Flush Dates	4/7/11, 4/20/11 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Hemp Sesbania Competition--Weed Planting

Trial ID: C11-24 Protocol ID: C11-24
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/8/11	8/3/11
Rating Data Type							AVG. HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
1	Weed Free						98 a	57 ab	7548 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST			
	Permit	0.03525	lb ai/a	0.75	oz wt/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Beyond	0.039	lb ai/a	5	fl oz/a	POSTFLOOD			
	Agri-Dex	1	% v/v	19.2	fl oz/a	POSTFLOOD			
2	Planting at 1 WAE						101 a	54 ab	8840 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
3	Planting at 2 WAE						99 a	58 ab	8756 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
4	Planting at 3 WAE						99 a	54 ab	8359 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
5	Planting at 4 WAE						98 a	56 ab	7834 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
6	Planting at 5 WAE						98 a	54 ab	7836 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
7	Planting at 6 WAE						100 a	50 b	8782 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
8	Planting at 7 WAE						99 a	59 ab	8891 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
9	Planting at 8 WAE						99 a	63 a	7516 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
10	Planting at 9 WAE						98 a	66 a	7921 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			

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Pest Code							RICE	RICE	RICE
Rating Date							8/3/11	8/8/11	8/3/11
Rating Data Type							AVG. HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	lb/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
11	Planting at 10 WAE						101 a	61 ab	7668 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
LSD (P=.05)							3.6	12.4	1699.5
Standard Deviation							2.5	8.6	1177.0
CV							2.54	15.0	14.39
Grand Mean							99.09	57.32	8177.15
Replicate F							3.421	1.308	0.695
Replicate Prob(F)							0.0297	0.2901	0.5621
Treatment F							0.659	1.178	0.888
Treatment Prob(F)							0.7524	0.3432	0.5548

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Indian Jointvetch Competition--Weed Planting

Experiment number	**C11-25**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	12.8 oz/A Command PRE; 3 qt/A Propanil + 1 oz/A Permit POST

Application type	PRE	Emergence
Date applied [mm/dd/yy]	04/05/11	04/19/11
Time [hh:mm-hh:mm]	7:40-7:50A	9:30-9:40A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/63	80/72
Relative humidity [%]	60	76
Wind [mph, direction]	0-1,N	10-15,SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	emergence/¼"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	15/5/15
GPA/PSI	15/24	15/23
Applied by	EPW	EPW

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Indian Jointvetch Competition--Weed Planting

Trial ID: C11-25 Protocol ID: C11-25
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							RICE	RICE	RICE
Rating Date							3/8/11	3/8/11	3/8/11
Rating Data Type							AVG HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	LB/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
1	Weed Free						100 b	53 a	7960 cde
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EPOST			
	Permit	0.03525	lb ai/a	0.75	oz wt/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Beyond	0.039	lb ai/a	5	fl oz/a	POSTFLOOD			
	Agri-Dex	1	% v/v	19.2	fl oz/a	POSTFLOOD			
2	Planting at 1 WAE						100 b	57 a	7021 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
3	Planting at 2 WAE						97 b	56 a	7864 de
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
4	Planting at 3 WAE						97 b	57 a	8194 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
5	Planting at 4 WAE						99 b	64 a	8075 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
6	Planting at 5 WAE						100 b	58 a	8849 bc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
7	Planting at 6 WAE						156 a	62 a	7909 cde
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
8	Planting at 7 WAE						99 b	49 a	8019 cd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
9	Planting at 8 WAE						100 b	51 a	8348 bcd
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
10	Planting at 9 WAE						99 b	60 a	9199 ab
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			

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Pest Code							RICE	RICE	RICE
Rating Date							3/8/11	3/8/11	3/8/11
Rating Data Type							AVG HEIGHT	STEM COUNT	YIELD
Rating Unit							cm	stem/18"	LB/A
Trt-Eval Interval							HARVEST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	9	11
11	Planting at 10 WAE						98 b	56 a	9844 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	ASNEEDED			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ASNEEDED			
LSD (P=.05)							48.7	15.3	950.9
Standard Deviation							33.7	10.6	658.6
CV							32.43	18.75	7.94
Grand Mean							104.06	56.52	8298.43
Replicate F							1.002	0.626	5.959
Replicate Prob(F)							0.4054	0.6041	0.0026
Treatment F							1.029	0.725	5.287
Treatment Prob(F)							0.4437	0.6952	0.0002

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Experiment number	**C11-26**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	12.8 oz/A Command PRE

Application type	PRE	EPOST
Date applied [mm/dd/yy]	04/05/11	05/02/11
Time [hh:mm-hh:mm]	7:30-7:40A	10:00-10:15A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/63	78/76
Relative humidity [%]	60	85
Wind [mph, direction]	0-1,N	5-7,SE
Weather [sunny, etc]	sunny	cloudy
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	3-5lf/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	15/23
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
AESIN(25-30m^{-2})	½-3"/cot-4lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--EPOST

Trial ID: C11-26 Protocol ID: C11-26
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code							AESIN	AESIN	AESIN	AESIN	RICE
Rating Date							5/23/11	6/7/11	6/21/11	7/5/11	5/23/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DAEPOST	36 DAEPOST	50 DAEPOST	64 DAEPOST	21 DAEPOST
Number of Decimals							0	0	0	0	0
1	Nontreated						0 e	0 e	0 e	0 d	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	78 c	61 bc	61 c	70 b	0 a
	Propanil	3	lb ai/a	3	qt/a	EPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	98 a	98 a	0 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	90 ab	94 a	0 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	63 d	51 c	43 d	66 b	0 a
	Londax	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 a	96 ab	98 a	0 a
	Strada	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	93 ab	96 a	0 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 bc	71 b	65 c	74 b	0 a
	Facet	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 abc	87 a	82 b	92 a	0 a
	Grandstand	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	59 d	35 d	40 d	45 c	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	91 a	90 ab	93 a	0 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	EPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	96 ab	97 a	0 a
	League	0.14	lb ai/a	3	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	96 ab	97 a	0 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 abc	87 a	88 ab	90 a	0 a
	Broadhead	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
LSD (P=.05)							13.7	15.0	14.7	11.3	0.0
Standard Deviation							9.6	10.5	10.3	7.9	0.0
CV							11.87	13.88	13.88	9.94	0.0
Grand Mean							80.98	75.77	74.0	79.3	0.0

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Pest Code	AESIN	AESIN	AESIN	AESIN	RICE
Rating Date	5/23/11	6/7/11	6/21/11	7/5/11	5/23/11
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit	%	%	%	%	%
Trt-Eval Interval	21 DAEPOST	36 DAEPOST	50 DAEPOST	64 DAEPOST	21 DAEPOST
Number of Decimals	0	0	0	0	0
Replicate F	1.282	1.663	4.978	4.110	0.000
Replicate Prob(F)	0.2939	0.1908	0.0051	0.0126	1.0000
Treatment F	30.962	31.277	32.021	49.736	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							6/7/11	6/21/11	7/5/11	8/4/11	8/4/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	cm	lb/A
Trt-Eval Interval							36 DAEPOST	50 DAEPOST	64 DAEPOST	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	12	16
1	Nontreated						0 a	0 a	0 a	93 a	0 g
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	97 a	8372 abc
	Propanil	3	lb ai/a	3	qt/a	EPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	98 a	9017 ab
	Halomax	0.035	lb ai/a	0.75	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	98 a	9092 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	95 a	6824 c-f
	Londax	0.0375	lb ai/a	1	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	99 a	6931 c-f
	Strada	0.0625	lb ai/a	2.0	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	97 a	6115 ef
	Grasp	0.0313	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	100 a	7227 cde
	Facet	0.4	lb ai/a	0.533	lb/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	98 a	6961 c-f
	Grandstand	0.25	lb ai/a	0.67	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	100 a	5376 f
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	95 a	7785 a-d
	Regiment	0.025	lb ai/a	0.5	oz wt/a	EPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	EPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	99 a	7445 b-e
	League	0.14	lb ai/a	3	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	98 a	6538 def
	Sharpen	0.0445	lb ai/a	2	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	100 a	6044 ef
	Broadhead	0.394	lb ai/a	9	oz wt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
LSD (P=.05)							0.0	0.0	0.0	5.5	1621.5
Standard Deviation							0.0	0.0	0.0	3.9	1134.7
CV							0.0	0.0	0.0	3.95	16.95
Grand Mean							0.0	0.0	0.0	97.54	6694.7
Replicate F							0.000	0.000	0.000	2.490	2.033
Replicate Prob(F)							1.0000	1.0000	1.0000	0.0745	0.1250
Treatment F							0.000	0.000	0.000	1.177	15.169
Treatment Prob(F)							1.0000	1.0000	1.0000	0.3309	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Experiment number	**C11-27**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	04/05/11	05/09/11
Time [hh:mm-hh:mm]	10:20-10:25A	10:30-10:45A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	57/60	82/77
Relative humidity [%]	60	67
Wind [mph, direction]	2-7,N	5-7,SE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	4-5lf/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	15/23
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
SEBEX(5-7m^{-2})	3-5"/4-6lf
AESIN(5-7m^{-2})	3-5"/4-6lf
CYPES(7-10m^{-2})	3-10"/3-8lf
CYPIR(50-75m^{-2})	¼-1"/1-3lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--MPOST

Trial ID: C11-27 Protocol ID: C11-27
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	AESIN
Rating Date							5/24/11	6/7/11	6/21/11	7/5/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAMPOST	29 DAMPOST	43 DAMPOST	57 DAMPOST	15 DAMPOST
Number of Decimals							0	0	0	0	0
1	Nontreated						0 d	0 e	0 d	0 c	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	90 bc	93 ab	74 b	90 b
	Propanil	3	lb ai/a	3	qt/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	97 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	98 a	98 a	98 a	70 c
	Londax	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	98 a	98 a	98 a	96 ab
	Strada	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 ab	97 a	98 a	98 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 ab	97 a	98 a	98 a	98 a
	Facet	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	87 bc	87 c	88 b	88 ab	95 ab
	Grandstand	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 d	10 d	10 c	0 c	0 d
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	78 c	98 a	98 a	98 a	97 a
	League	0.14	lb ai/a	3	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Broadhead	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							10.1	6.9	7.4	19.5	6.8
Standard Deviation							7.1	4.9	5.2	13.6	4.8
CV							8.77	5.84	6.17	16.71	5.89
Grand Mean							80.73	83.18	83.55	81.52	80.86
Replicate F							0.844	0.231	0.336	0.722	0.271
Replicate Prob(F)							0.4784	0.8740	0.7993	0.5448	0.8461
Treatment F							95.910	188.761	168.726	26.724	216.489
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	CYPES	CYPES
Rating Date							6/7/11	6/21/11	7/5/11	5/24/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							29 DAMPOST	43 DAMPOST	57 DAMPOST	15 DAMPOST	29 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 d	0 e	0 e	0 f	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	83 b	78 c	78 c	88 ab	96 a
	Propanil	3	lb ai/a	3	qt/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	94 ab	98 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	98 a	98 a	98 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 c	40 d	40 d	63 c	98 a
	Londax	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 ab	86 b	98 a
	Strada	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	96 ab	98 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	90 b	93 b	15 e	15 c
	Facet	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	91 b	97 ab	15 e	0 d
	Grandstand	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 d	0 e	0 e	5 ef	5 cd
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	94 ab	98 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	96 ab	98 a
	League	0.14	lb ai/a	3	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	36 d	50 b
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 b	93 ab	10 ef	10 cd
	Broadhead	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							6.8	5.3	5.1	10.8	10.2
Standard Deviation							4.8	3.7	3.6	7.6	7.2
CV							6.05	4.8	4.64	13.33	11.64
Grand Mean							78.55	76.91	77.52	56.8	61.57
Replicate F							1.618	0.152	2.748	5.830	1.579
Replicate Prob(F)							0.2008	0.9279	0.0557	0.0022	0.2100
Treatment F							224.692	382.524	409.044	114.674	156.958
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	RICE	RICE	RICE
Rating Date							6/21/11	7/5/11	5/24/11	6/7/11	6/21/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							43 DAMPOST	57 DAMPOST	15 DAMPOST	29 DAMPOST	43 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 c	0 e	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	0 a	0 a	0 a
	Propanil	3	lb ai/a	3	qt/a	MPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	0 a	0 a	0 a
	Londax	0.0375	lb ai/a	1	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	0 a	0 a	0 a
	Strada	0.0625	lb ai/a	2.0	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	10 c	10 d	0 a	0 a	0 a
	Facet	0.4	lb ai/a	0.533	lb/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5 c	23 c	0 a	0 a	0 a
	Grandstand	0.25	lb ai/a	0.67	pt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	5 de	0 a	0 a	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	MPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	MPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	League	0.14	lb ai/a	3	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 b	60 b	0 a	0 a	0 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5 c	28 c	0 a	0 a	0 a
	Broadhead	0.394	lb ai/a	9	oz wt/a	MPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)							10.7	7.7	0.0	0.0	0.0
Standard Deviation							7.5	5.4	0.0	0.0	0.0
CV							12.4	8.35	0.0	0.0	0.0
Grand Mean							60.41	64.5	0.0	0.0	0.0
Replicate F							0.236	0.358	0.000	0.000	0.000
Replicate Prob(F)							0.8704	0.7836	1.0000	1.0000	1.0000
Treatment F							149.731	237.908	0.000	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							7/5/11	8/4/11	8/4/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							57 DAMPOST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	20	24
1	Nontreated						0 a	97 ab	6957 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	98 ab	7941 a-e
	Propanil	3	lb ai/a	3	qt/a	MPOST			
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 ab	7796 a-e
	Halomax	0.035	lb ai/a	0.75	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 ab	8689 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	96 ab	7465 cde
	Londax	0.0375	lb ai/a	1	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	98 ab	8105 a-d
	Strada	0.0625	lb ai/a	2.0	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	98 ab	8144 a-d
	Grasp	0.0313	lb ai/a	2	fl oz/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 ab	7430 de
	Facet	0.4	lb ai/a	0.533	lb/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 b	8160 a-d
	Grandstand	0.25	lb ai/a	0.67	pt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 b	7600 b-e
	Aim	0.0156	lb ai/a	1	fl oz/a	MPOST			
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	100 a	8530 abc
	Regiment	0.025	lb ai/a	0.5	oz wt/a	MPOST			
	Dyne-A-Pak	1	% v/v	1	% v/v	MPOST			
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 ab	7781 a-e
	League	0.14	lb ai/a	3	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 b	7419 de
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	94 b	8574 ab
	Broadhead	0.394	lb ai/a	9	oz wt/a	MPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST			
LSD (P=.05)							0.0	4.5	1086.7
Standard Deviation							0.0	3.1	760.4
CV							0.0	3.25	9.63
Grand Mean							0.0	96.59	7899.41
Replicate F							0.000	3.919	0.618
Replicate Prob(F)							1.0000	0.0154	0.6078
Treatment F							0.000	1.108	1.751
Treatment Prob(F)							1.0000	0.3812	0.0883

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Experiment number	**C11-28**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	LPOST
Date applied [mm/dd/yy]	04/05/11	05/16/11
Time [hh:mm-hh:mm]	10:00-10:15A	8:30-9:00A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	57/60	67/65
Relative humidity [%]	60	51
Wind [mph, direction]	2-7,N	2-5,N
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry
Crop stage/Height	N/A	5lf-1till/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	15/25
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------
AESIN(5-7m^{-2})	4-5"/5-7lf
SEBEX(3-5m^{-2})	4-5"/5-7lf
CYPES(10-15m^{-2})	9-13"/5lf-heading

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--LPOST

Trial ID: C11-28 Protocol ID: C11-28
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code						SEBEX	SEBEX	SEBEX	SEBEX	AESIN
	Rating Date						6/8/11	6/21/11	7/5/11	7/18/11	6/8/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%
	Trt-Eval Interval						23 DALPOST	36 DALPOST	50 DALPOST	63 DALPOST	23 DALPOST
	Number of Decimals						0	0	0	0	0
1	Nontreated						0 d	0 e	0 e	0 e	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	96 a	41 b
	Propanil	3	lb ai/a	3	qt/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 b	40 d	45 d	35 d	40 b
	Londax	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	94 ab	94 ab	94 ab	91 a
	Strada	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	85 c	82 c	83 c	98 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	94 ab	96 ab	95 a	97 a
	Facet	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	89 bc	88 bc	84 bc	89 a
	Grandstand	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	13 c	5 e	5 e	0 e	10 c
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	LPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 a	95 ab	94 ab	94 ab	98 a
	League	0.14	lb ai/a	3	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	96 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	94 a
	Broadhead	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
	LSD (P=.05)						9.5	7.5	8.7	10.1	13.0
	Standard Deviation						6.7	5.2	6.1	7.1	9.1
	CV						8.39	6.73	7.83	9.28	12.15
	Grand Mean						79.54	77.77	77.91	76.43	74.89
	Replicate F						2.285	3.431	4.708	2.596	0.277
	Replicate Prob(F)						0.0939	0.0262	0.0067	0.0661	0.8418
	Treatment F						104.096	181.862	130.930	104.880	61.688
	Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	CYPES	CYPES
Rating Date							6/21/11	7/5/11	7/18/11	6/8/11	6/21/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							36 DALPOST	50 DALPOST	63 DALPOST	23 DALPOST	36 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 c	0 d	0 e	0 g	0 f
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	54 b	64 b	70 c	70 d	66 bc
	Propanil	3	lb ai/a	3	qt/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	86 abc	98 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	94 a	95 ab	96 a	96 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	45 b	48 c	50 d	68 d	53 cd
	Londax	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	94 a	96 a	79 bcd	77 b
	Strada	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	75 cd	68 bc
	Grasp	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 a	92 a	90 b	10 fg	5 ef
	Facet	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 a	97 a	97 a	3 g	5 ef
	Grandstand	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	8 c	8 d	3 e	10 fg	10 ef
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	80 bcd	65 bc
	Regiment	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	LPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	96 a	97 a	92 ab	93 a
	League	0.14	lb ai/a	3	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	96 a	96 a	48 e	43 d
	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 a	92 a	95 ab	25 f	20 e
	Broadhead	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							12.1	8.4	5.8	15.3	16.2
Standard Deviation							8.5	5.9	4.1	10.7	11.4
CV							11.4	7.65	5.25	20.24	22.78
Grand Mean							74.27	76.57	77.25	52.89	49.86
Replicate F							0.499	2.187	1.475	0.992	3.220
Replicate Prob(F)							0.6853	0.1050	0.2363	0.4066	0.0330
Treatment F							64.487	136.314	297.544	44.916	40.380
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	RICE	RICE	RICE
Rating Date							7/5/11	7/18/11	6/8/11	6/21/11	7/5/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							50 DALPOST	63 DALPOST	23 DALPOST	36 DALPOST	50 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 g	0 e	0 a	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	71 bc	81 b	0 a	0 a	0 a
	Propanil	3	lb ai/a	3	qt/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Halomax	0.035	lb ai/a	0.75	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 a	0 a	0 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	58 d	68 c	0 a	0 a	0 a
	Londax	0.0375	lb ai/a	1	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	77 b	81 b	0 a	0 a	0 a
	Strada	0.0625	lb ai/a	2.0	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	71 bc	81 b	0 a	0 a	0 a
	Grasp	0.0313	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	15 f	5 e	0 a	0 a	0 a
	Facet	0.4	lb ai/a	0.533	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	10 fg	10 e	0 a	0 a	0 a
	Grandstand	0.25	lb ai/a	0.67	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5 fg	0 e	0 a	0 a	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	60 cd	61 c	0 a	0 a	0 a
	Regiment	0.025	lb ai/a	0.5	oz wt/a	LPOST					
	Dyne-A-Pak	1	% v/v	1	% v/v	LPOST					
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	95 a	0 a	0 a	0 a
	League	0.14	lb ai/a	3	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	43 e	63 c	0 a	0 a	0 a
	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	33 e	33 d	0 a	0 a	0 a
	Broadhead	0.394	lb ai/a	9	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							13.2	11.9	0.0	0.0	0.0
Standard Deviation							9.2	8.3	0.0	0.0	0.0
CV							17.68	15.09	0.0	0.0	0.0
Grand Mean							52.29	55.23	0.0	0.0	0.0
Replicate F							1.484	0.050	0.000	0.000	0.000
Replicate Prob(F)							0.2339	0.9849	1.0000	1.0000	1.0000
Treatment F							57.488	82.758	0.000	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							7/18/11	8/4/11	8/4/11
Rating Data Type							INJURY	AVG HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							63 DALPOST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	20	24
1	Nontreated						0 a	85 bcd	4243 h
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	93 a	7207 b-f
	Propanil	3	lb ai/a	3	qt/a	LPOST			
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	91 ab	6558 def
	Halomax	0.035	lb ai/a	0.75	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	93 a	8735 a
	Permit Plus	0.0394	lb ai/a	0.84	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	91 abc	6944 c-f
	Londax	0.0375	lb ai/a	1	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	92 ab	7513 a-e
	Strada	0.0625	lb ai/a	2.0	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	89 abc	7128 b-f
	Grasp	0.0313	lb ai/a	2	fl oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	82 d	5123 gh
	Facet	0.4	lb ai/a	0.533	lb/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	89 a-d	6143 fg
	Grandstand	0.25	lb ai/a	0.67	pt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	84 cd	4336 h
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST			
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	90 abc	7821 a-d
	Regiment	0.025	lb ai/a	0.5	oz wt/a	LPOST			
	Dyne-A-Pak	1	% v/v	1	% v/v	LPOST			
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	92 a	7884 abc
	League	0.14	lb ai/a	3	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
13	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	92 ab	6324 efg
	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	91 ab	8285 ab
	Broadhead	0.394	lb ai/a	9	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
LSD (P=.05)							0.0	6.9	1290.9
Standard Deviation							0.0	4.8	903.3
CV							0.0	5.38	13.42
Grand Mean							0.0	89.65	6731.72
Replicate F							0.000	8.821	0.322
Replicate Prob(F)							1.0000	0.0001	0.8096
Treatment F							0.000	2.070	9.442
Treatment Prob(F)							1.0000	0.0400	0.0001

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--Salvage

Experiment number	**C11-29**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	Emergence	LPOST	At Bloom
Date applied [mm/dd/yy]	04/05/11	04/19/11	05/09/11	06/06/11
Time [hh:mm-hh:mm]	10:00-10:15A	10:20-10:30A	11:30-11:45A	11:15-11:25A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	57/60	81/72	83/77	90/82
Relative humidity [%]	60	76	63	85
Wind [mph, direction]	2-7,N	10-15,SE	5-9,SE	3-5,NE
Weather [sunny, etc]	sunny	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry	dry/dry	flood/dry
Crop stage/Height	N/A	emergence/¼"	4-5lf/3-5"	½"lE/15-20"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	15/5/15	18/5/15	18/5/15
GPA/PSI	15/24	15/23	15/23	15/23
Applied by	EPW	EPW	EPW	JCF

Weed Species (population)	---------- (height/#leaves) ----------			
AESIN(1-5m^{-2})		½-1"/1lf	1-3"/1-4lf	24"/30-40lf
SEBEX(5-10m^{-2})		½-1"/1lf	1-4"/1-5lf	30"/30-40lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Herbicide Evaluation on Hemp Sesbania and Indian Jointvetch--Salvage

Trial ID: C11-29 Protocol ID: C11-29
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							SEBEX	SEBEX	SEBEX	AESIN
Rating Date							21/6/11	5/7/11	18/7/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DABLOOM	29 DABLOOM	42 DABLOOM	15 DABLOOM
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
1	Nontreated						0 e	0 d	0 e	0 e
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Permit	0.047	lb ai/a	1	oz wt/a	LPOST				
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	87 ab	98 a	98 a	63 c
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Halomax	0.047	lb ai/a	1	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	60 c	91 a	98 a	93 ab
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Permit Plus	0.0525	lb ai/a	1.12	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 cd	53 c	81 b	58 cd
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Strada	0.0625	lb ai/a	2.0	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 b	68 b	73 c	84 b
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Grasp	0.0313	lb ai/a	2	fl oz/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	50 cd	48 c	55 d	45 d
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Aim	0.0156	lb ai/a	1	fl oz/a	ATBLOOM				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	48 d	70 b	98 a	65 c
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	League	0.14	lb ai/a	3	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Sharpen	0.0445	lb ai/a	2	fl oz/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				

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Pest Code							SEBEX	SEBEX	SEBEX	AESIN
Rating Date							21/6/11	5/7/11	18/7/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%
Trt-Eval Interval							15 DABLOOM	29 DABLOOM	42 DABLOOM	15 DABLOOM
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Broadhead	0.394	lb ai/a	9	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
LSD (P=.05)							11.7	11.4	7.5	13.1
Standard Deviation							8.1	7.8	5.1	9.0
CV							12.13	10.89	6.44	12.88
Grand Mean							66.75	72.05	79.68	70.05
Replicate F							0.042	0.825	1.035	1.404
Replicate Prob(F)							0.9882	0.4914	0.3928	0.2632
Treatment F							60.486	66.866	152.146	48.146
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	RICE	RICE
Rating Date							5/7/11	18/7/11	21/6/11	5/7/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%
Trt-Eval Interval							29 DABLOOM	42 DABLOOM	15 DABLOOM	29 DABLOOM
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	6	7	8
1	Nontreated						0 c	0 c	0 d	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE				
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Permit	0.047	lb ai/a	1	oz wt/a	LPOST				
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Halomax	0.047	lb ai/a	1	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Permit Plus	0.0525	lb ai/a	1.12	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Strada	0.0625	lb ai/a	2.0	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Grasp	0.0313	lb ai/a	2	fl oz/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	48 b	58 b	2 c	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Aim	0.0156	lb ai/a	1	fl oz/a	ATBLOOM				
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	98 a	0 d	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	League	0.14	lb ai/a	3	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	10 a	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Sharpen	0.0445	lb ai/a	2	fl oz/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	5 b	0 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Broadhead	0.394	lb ai/a	9	oz wt/a	ATBLOOM				
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM				
LSD (P=.05)							4.8	2.3	0.2	0.0
Standard Deviation							3.3	1.6	0.2	0.0
CV							4.0	1.88	9.17	0.0
Grand Mean							82.7	84.15	1.73	0.0
Replicate F							0.695	1.000	1.000	0.000
Replicate Prob(F)							0.5631	0.4079	0.4079	1.0000
Treatment F							399.740	1657.960	1783.222	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							18/7/11	4/8/11	4/8/11
Rating Data Type							INJURY	AVG HEIGHT	YIELD
Rating Unit							%	cm	lb/A
Trt-Eval Interval							42 DABLOOM	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	9	13	17
1	Nontreated						0 a	100 a	8376 bc
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	99 a	9660 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Permit	0.047	lb ai/a	1	oz wt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	99 a	9090 ab
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Halomax	0.047	lb ai/a	1	oz wt/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	101 a	8583 abc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Permit Plus	0.0525	lb ai/a	1.12	oz wt/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	98 a	8826 abc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Strada	0.0625	lb ai/a	2.0	oz wt/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	96 a	8820 abc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Grasp	0.0313	lb ai/a	2	fl oz/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	99 a	8808 abc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Aim	0.0156	lb ai/a	1	fl oz/a	ATBLOOM			
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	99 a	8765 abc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	League	0.14	lb ai/a	3	oz wt/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	99 a	7740 c
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Sharpen	0.0445	lb ai/a	2	fl oz/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	96 a	8405 bc
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE			
	Broadhead	0.394	lb ai/a	9	oz wt/a	ATBLOOM			
	Agri-Dex	1	% v/v	19.2	fl oz/a	ATBLOOM			
LSD (P=.05)							0.0	6.8	1174.2
Standard Deviation							0.0	4.7	809.3
CV							0.0	4.76	9.29
Grand Mean							0.0	98.59	8707.28
Replicate F							0.000	2.379	8.832
Replicate Prob(F)							1.0000	0.0918	0.0003
Treatment F							0.000	0.539	1.525
Treatment Prob(F)							1.0000	0.8327	0.1896

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Effects of Newpath and Beyond Timings on Grass Weed Control

Experiment number	**C11-30**
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	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	Permit at 1 oz/A MPOST

Application type	1-2LF Grass	3-4LF Grass	5LF-1Tiller Grass	2-3 Tiller Grass
Date applied [mm/dd/yy]	04/27/11	05/05/11	05/09/11	05/16/11
Time [hh:mm-hh:mm]	7:40-7:45A	8:05-8:10A	12:00-12:15P	9:05-9:10A
Incorporation equip./Depth	N/A	N/A	N/A	N/A
Air/Soil temperature [F]	81/73	61/60	83/77	67/68
Relative humidity [%]	86	72	63	51
Wind [mph, direction]	7-10,S	3-5,NE	5-9,SE	2-5,N
Weather [sunny, etc]	cloudy	sunny	sunny	sunny
Soil/Leaf surface moist	wet/dry	wet/dry	dry/dry	dry/dry
Crop stage/Height	1-2lf/3-5"	3-5lf/3-5"	4-5lf/3-5"	5lf-1till/6-8"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15	18/5/15
GPA/PSI	15/24	15/24	15/23	15/25
Applied by	EPW	EPW	EPW	EPW
Weed Species (population)	---------- (height/#leaves) ----------			
BRAPP(130-150m^{-2})	¼-1"/1-2lf	3-5"/3-5lf	3-5"/3-5lf	3-5"/3-5lf
ECHCG(50-75m^{-2})	¼-½"/1-2lf	2-4"/3-4lf	3-5"/3-5lf	2-4"/3-5lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Effects of Newpath and Beyond Timings on Grass Weed Control

Trial ID: C11-30 Protocol ID: C11-30
Location: RRS-Crowley, LA Study Director:

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							5/23/11	6/7/11	6/21/11	7/5/11	5/23/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							7 DAT	22 DAT	36 DAT	50 DAT	7 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	Nontreated						0 d	0 d	0 e	0 d	0 d	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	1-2 lf Grass	97 a	95 a	93 a	91 a	98 a	95 a
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass						
3	Beyond	0.039	lb ai/a	5	fl oz/a	1-2 lf Grass	97 a	94 a	94 a	95 a	97 a	95 a
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass						
4	Newpath	0.0625	lb ai/a	4	fl oz/a	3-4 lf Grass	91 a	89 ab	84 ab	70 b	97 a	93 a
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass						
5	Beyond	0.039	lb ai/a	5	fl oz/a	3-4 lf Grass	91 a	84 b	64 d	66 bc	85 b	79 b
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass						
6	Newpath	0.0625	lb ai/a	4	fl oz/a	5lf-1T Grass	89 ab	83 b	76 bc	64 bc	93 ab	91 a
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass						
7	Beyond	0.039	lb ai/a	5	fl oz/a	5lf-1T Grass	88 ab	85 b	84 ab	85 a	85 b	93 a
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass						
8	Newpath	0.0625	lb ai/a	4	fl oz/a	2-3Til Grass	80 bc	65 c	59 d	54 c	50 c	53 c
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass						
9	Beyond	0.039	lb ai/a	5	fl oz/a	2-3Til Grass	73 c	63 c	65 cd	63 bc	50 c	54 c
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass						
LSD (P=.05)							10.3	8.4	11.5	14.2	10.3	9.3
Standard Deviation							7.0	5.7	7.9	9.7	7.1	6.4
CV							8.97	7.88	11.53	14.9	9.75	8.8
Grand Mean							78.44	72.92	68.61	65.28	72.75	72.36
Replicate F							0.343	0.637	1.258	0.989	0.924	2.117
Replicate Prob(F)							0.7948	0.5982	0.3110	0.4147	0.4442	0.1246
Treatment F							74.874	106.156	52.438	33.705	88.119	101.200
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	RICE	RICE	RICE	RICE	RICE
Rating Date							6/21/11	7/5/11	5/23/11	6/7/11	6/21/11	7/5/11	8/3/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	%	%	%	cm
Trt-Eval Interval							36 DAT	50 DAT	7 DAT	22 DAT	36 DAT	50 DAT	HARVEST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12	16
1	Nontreated						0 d	0 e	0 a	0 a	0 a	0 a	70 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	1-2 lf Grass	89 ab	91 ab	0 a	0 a	0 a	0 a	96 a
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass							
3	Beyond	0.039	lb ai/a	5	fl oz/a	1-2 lf Grass	93 a	94 a	0 a	0 a	0 a	0 a	90 abc
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass							
4	Newpath	0.0625	lb ai/a	4	fl oz/a	3-4 lf Grass	90 a	91 ab	0 a	0 a	0 a	0 a	92 abc
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass							
5	Beyond	0.039	lb ai/a	5	fl oz/a	3-4 lf Grass	79 b	79 c	0 a	0 a	0 a	0 a	90 bc
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass							
6	Newpath	0.0625	lb ai/a	4	fl oz/a	5lf-1T Grass	88 ab	81 bc	0 a	0 a	0 a	0 a	88 bc
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass							
7	Beyond	0.039	lb ai/a	5	fl oz/a	5lf-1T Grass	85 ab	89 abc	0 a	0 a	0 a	0 a	95 ab
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass							
8	Newpath	0.0625	lb ai/a	4	fl oz/a	2-3Til Grass	50 c	50 d	0 a	0 a	0 a	0 a	87 c
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass							
9	Beyond	0.039	lb ai/a	5	fl oz/a	2-3Til Grass	53 c	51 d	0 a	0 a	0 a	0 a	89 bc
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass							
LSD (P=.05)							10.2	10.8	0.0	0.0	0.0	0.0	6.5
Standard Deviation							7.0	7.4	0.0	0.0	0.0	0.0	4.4
CV							10.09	10.67	0.0	0.0	0.0	0.0	5.03
Grand Mean							69.44	69.58	0.0	0.0	0.0	0.0	88.39
Replicate F							1.244	1.557	0.000	0.000	0.000	0.000	3.676
Replicate Prob(F)							0.3158	0.2256	1.0000	1.0000	1.0000	1.0000	0.0261
Treatment F							76.011	69.554	0.000	0.000	0.000	0.000	11.375
Treatment Prob(F)							0.0001	0.0001	1.0000	1.0000	1.0000	1.0000	0.0001

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Pest Code	RICE
Rating Date	8/3/11
Rating Data Type	YIELD
Rating Unit	LB/A
Trt-Eval Interval	HARVEST
Number of Decimals	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19
1	Nontreated						0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	1-2 lf Grass	6868 b
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass	
3	Beyond	0.039	lb ai/a	5	fl oz/a	1-2 lf Grass	8497 a
	Agri-Dex	1.67	% v/v	1	qt/a	1-2 lf Grass	
4	Newpath	0.0625	lb ai/a	4	fl oz/a	3-4 lf Grass	6872 b
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass	
5	Beyond	0.039	lb ai/a	5	fl oz/a	3-4 lf Grass	7102 b
	Agri-Dex	1.67	% v/v	1	qt/a	3-4 lf Grass	
6	Newpath	0.0625	lb ai/a	4	fl oz/a	5lf-1T Grass	6827 b
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass	
7	Beyond	0.039	lb ai/a	5	fl oz/a	5lf-1T Grass	7393 b
	Agri-Dex	1.67	% v/v	1	qt/a	5lf-1T Grass	
8	Newpath	0.0625	lb ai/a	4	fl oz/a	2-3Til Grass	5009 c
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass	
9	Beyond	0.039	lb ai/a	5	fl oz/a	2-3Til Grass	5556 c
	Agri-Dex	1.67	% v/v	1	qt/a	2-3Til Grass	

LSD (P=.05)	834.2
Standard Deviation	571.6
CV	9.5
Grand Mean	6013.55
Replicate F	1.021
Replicate Prob(F)	0.4007
Treatment F	74.627
Treatment Prob(F)	0.0001

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Comparison of Newpath vs. Beyond for Residual Weed Control

Experiment number	**C11-31**
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	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	N/A

Application type	Emergence	3LF Grass, trt 2,3,5,6	3LF Grass, trt 4,7
Date applied [mm/dd/yy]	04/29/11	05/16/11	06/06/11
Time [hh:mm-hh:mm]	10:00-10:15A	10:15-10:30A	10:45-10:50A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	77/70	71/69	87/82
Relative humidity [%]	65	42	85
Wind [mph, direction]	5-10,SE	3-5,N	2-5,NE
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	wet/dry	dry/dry	flood/dry
Crop stage/Height	2-3lf/3-5"	5lf-1till/6-8"	½" IE/15-20"
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	15/25	15/23
Applied by	EAB	EPW	JCF

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA(300-400m^{-2})	3-5"/2-3lf	3-5"/2-4lf
ECHCG(300-400m^{-2})	1-2"/3-5lf	2-4"/2-5lf
BRAPP(3-5m^{-2})		3-4"/2-3lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Comparison of Newpath vs. Beyond for Residual Weed Control

Trial ID: C11-31 Protocol ID: C11-31
Location: RRS-Crowley, LA Study Director:

Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ORYSA
Rating Date							17/5/11	25/5/11	7/6/11	21/6/11	5/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							19 DAEMERGE	9 DA 3 LEAF	21 DA 3LEAF	36 DA 3LEAF	50 DA 3LEAF
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0 d	0 b	0 d	0 e	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	85 bc	91 a	93 bc	80 c	76 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
3	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE	85 bc	93 a	97 a	90 ab	94 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
4	Newpath	0.188	lb ai/a	12	fl oz/a	EMERGENCE	91 ab	94 a	96 ab	97 a	95 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
5	Beyond	0.0313	lb ai/a	4	fl oz/a	EMERGENCE	80 c	91 a	92 c	71 d	61 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
6	Beyond	0.047	lb ai/a	6	fl oz/a	EMERGENCE	91 ab	91 a	93 abc	86 bc	80 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
7	Beyond	0.078	lb ai/a	10	fl oz/a	EMERGENCE	94 a	93 a	91 c	97 a	95 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
LSD (P=.05)							7.0	3.6	3.6	7.8	6.6
Standard Deviation							4.7	2.4	2.4	5.3	4.4
CV							6.3	3.09	3.03	7.09	6.16
Grand Mean							75.18	78.93	80.18	74.46	71.64
Replicate F							0.783	1.000	2.719	0.609	4.252
Replicate Prob(F)							0.5187	0.4155	0.0750	0.6179	0.0195
Treatment F							200.097	814.600	850.454	166.541	236.985
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date							17/5/11	25/5/11	7/6/11	21/6/11	5/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							19 DAEMERGE	9 DA 3 LEAF	21 DA 3LEAF	36 DA 3LEAF	50 DA 3LEAF
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 d	0 c	0 c	0 e	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	79 b	91 ab	95 ab	75 d	71 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
3	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE	83 b	93 ab	96 a	86 bc	85 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
4	Newpath	0.188	lb ai/a	12	fl oz/a	EMERGENCE	95 a	95 a	97 a	95 a	95 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
5	Beyond	0.0313	lb ai/a	4	fl oz/a	EMERGENCE	69 c	88 b	90 b	75 d	71 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
6	Beyond	0.047	lb ai/a	6	fl oz/a	EMERGENCE	83 b	90 ab	95 ab	85 c	88 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
7	Beyond	0.078	lb ai/a	10	fl oz/a	EMERGENCE	93 a	90 ab	93 ab	93 ab	88 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
LSD (P=.05)							8.6	5.1	4.8	7.1	6.1
Standard Deviation							5.8	3.5	3.3	4.8	4.1
CV							8.12	4.44	4.05	6.59	5.77
Grand Mean							71.43	78.04	80.64	72.82	71.11
Replicate F							3.044	2.851	0.398	6.417	4.510
Replicate Prob(F)							0.0555	0.0663	0.7562	0.0038	0.0158
Treatment F							127.018	396.372	476.750	189.860	252.500
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	BRAPP	ALRPH
Rating Date							25/5/11	7/6/11	21/6/11	5/7/11	25/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							9 DA 3 LEAF	21 DA 3LEAF	36 DA 3LEAF	50 DA 3LEAF	9 DA 3 LEAF
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 b	0 b	0 c	0 c	0 b
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	98 a	98 a	90 b	96 a	80 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
3	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE	98 a	98 a	94 a	97 a	76 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
4	Newpath	0.188	lb ai/a	12	fl oz/a	EMERGENCE	98 a	98 a	97 a	98 a	86 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
5	Beyond	0.0313	lb ai/a	4	fl oz/a	EMERGENCE	98 a	98 a	90 b	91 b	84 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
6	Beyond	0.047	lb ai/a	6	fl oz/a	EMERGENCE	98 a	98 a	95 a	97 a	78 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
7	Beyond	0.078	lb ai/a	10	fl oz/a	EMERGENCE	98 a	98 a	97 a	97 a	76 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
LSD (P=.05)							0.6	0.5	3.7	2.4	10.8
Standard Deviation							0.4	0.3	2.5	1.6	7.3
CV							0.46	0.41	3.1	1.93	10.59
Grand Mean							83.86	83.89	80.29	82.36	68.57
Replicate F							0.632	0.300	3.013	0.360	2.211
Replicate Prob(F)							0.6041	0.8250	0.0571	0.7829	0.1220
Treatment F							36270.793	45982.204	814.553	2104.798	70.399
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	ALRPH	RICE	RICE
Rating Date							7/6/11	21/6/11	5/7/11	17/5/11	25/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DA 3LEAF	36 DA 3LEAF	50 DA 3LEAF	19 DAEMERGE	9 DA 3 LEAF
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated						0 c	0 d	0 b	0 a	0 a
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	80 a	80 c	76 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
3	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE	79 a	84 bc	73 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
4	Newpath	0.188	lb ai/a	12	fl oz/a	EMERGENCE	86 a	91 a	80 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
5	Beyond	0.0313	lb ai/a	4	fl oz/a	EMERGENCE	80 a	80 c	73 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
6	Beyond	0.047	lb ai/a	6	fl oz/a	EMERGENCE	78 a	80 c	75 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
7	Beyond	0.078	lb ai/a	10	fl oz/a	EMERGENCE	41 b	89 ab	86 a	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
LSD (P=.05)							18.6	7.4	14.7	0.0	0.0
Standard Deviation							12.5	5.0	9.9	0.0	0.0
CV							19.72	6.92	15.01	0.0	0.0
Grand Mean							63.39	71.96	66.07	0.0	0.0
Replicate F							0.143	0.804	1.078	0.000	0.000
Replicate Prob(F)							0.9330	0.5079	0.3835	1.0000	1.0000
Treatment F							25.660	165.720	35.482	0.000	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	1.0000

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							7/6/11	21/6/11	5/7/11	8/8/11	8/8/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	%	cm	LB
Trt-Eval Interval							21 DA 3LEAF	36 DA 3LEAF	50 DA 3LEAF	HARVEST	HARVEST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	27	30
1	Nontreated						0 a	0 a	0 a	62 b	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE	0 a	0 a	0 a	91 a	7229 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
3	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE	0 a	0 a	0 a	92 a	5839 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
4	Newpath	0.188	lb ai/a	12	fl oz/a	EMERGENCE	0 a	0 a	0 a	92 a	8688 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
5	Beyond	0.0313	lb ai/a	4	fl oz/a	EMERGENCE	0 a	0 a	0 a	92 a	7029 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
6	Beyond	0.047	lb ai/a	6	fl oz/a	EMERGENCE	0 a	0 a	0 a	92 a	6608 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
7	Beyond	0.078	lb ai/a	10	fl oz/a	EMERGENCE	0 a	0 a	0 a	94 a	6107 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE					
	Newpath	0.0625	lb ai/a	4	fl oz/a	3 LF GRASS					
	Agri-Dex	1	% v/v	19.2	fl oz/a	3 LF GRASS					
LSD (P=.05)							0.0	0.0	0.0	5.5	1217.2
Standard Deviation							0.0	0.0	0.0	3.7	819.3
CV							0.0	0.0	0.0	4.24	13.82
Grand Mean							0.0	0.0	0.0	87.84	5928.52
Replicate F							0.000	0.000	0.000	0.412	0.550
Replicate Prob(F)							1.0000	1.0000	1.0000	0.7463	0.6546
Treatment F							0.000	0.000	0.000	37.555	45.852
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0001	0.0001

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Newpath plus Winfield Additives

Experiment number..... : **C11-33**
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 ..... : 04/11/11
Harvest date..... : N/A
Crop/Variety ..... : CL 131
Emergence date..... : 04/29/11
Uniform std. treatment..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/04/11
Time [hh:mm-hh:mm]..... : 10:25-10:45A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 65/65
Relative humidity [%]..... : 49
Wind [mph, direction] ..... : 5-7,NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 2-3lf/1-3"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/25
Applied by..... : EPW

Weed Species (population)..... :- (height/#leaves) -
ORYSA(50-75m^{-2})..... : 1-4"/2-4lf
ECHCG(125-150m^{-2})..... : 1-3"/1-4lf
BRAPP(50-75m^{-2})…….. : ½-2"/1-4lf
SEBEX(2-4m^{-2})..... : ½-3"/1-4lf
ECLAL(20-30m^{-2}) ..... : ¼-1"/cot-2lf
CYPIR(50-75m^{-2})..... : ½-1"/1-3lf
CYPES(10-15m^{-2}) ..... : 1-6"/3-6lf

Flush Dates ..... : 4/13/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/26/11

*AMFF – Air mix flat fan nozzles

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Newpath plus Winfield Additives

Trial ID: C11-33 Protocol ID: C11-33
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
Pest Code							ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Rating Date							19/5/11	8/6/11	19/5/11	25/5/11	8/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							15 DAEPOST	35 DAEPOST	15 DAEPOST	21 DAEPOST	35 DAEPOST
Number of Decimals							0	0	0	0	0
1	Nontreated						0 d	0 c	0 g	0 e	0 e
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 ab	81 a	68 f	64 cd	8 e
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 bc	83 a	73 ef	63 cd	31 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 abc	84 a	78 b-e	64 cd	50 c
	Preference	0.25	% v/v	4.8	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Preference	0.25	% v/v	4.8	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	84 c	79 ab	76 cde	59 d	51 c
	AG 06011	0.313	% v/v	6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 06011	0.313	% v/v	6	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	86 bc	81 a	75 def	63 cd	54 c
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	84 c	80 ab	84 abc	70 abc	59 bc
	Class Act NG	1.25	% v/v	24	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Class Act NG	1.25	% v/v	24	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 ab	88 a	83 a-d	76 ab	71 ab
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 ab	70 b	85 ab	71 abc	58 c
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST					
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	91 a	89 a	91 a	79 a	75 a
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST					
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	88 abc	80 ab	84 abc	68 bcd	60 bc
	AG 08050	0.5	% v/v	9.6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 08050	0.5	% v/v	9.6	fl oz/a	LPOST					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 ab	89 a	84 abc	79 a	75 a
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Interlock	0.208	% v/v	4	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
	Interlock	0.208	% v/v	4	fl oz/a	LPOST					
LSD (P=.05)							4.9	10.0	8.5	9.3	12.7
Standard Deviation							3.4	6.9	5.9	6.4	8.8
CV							4.19	9.22	8.01	10.22	17.89
Grand Mean							80.21	75.21	73.17	62.81	49.27

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Pest Code	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Rating Date	19/5/11	8/6/11	19/5/11	25/5/11	8/6/11
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	15 DAEPOST	35 DAEPOST	15 DAEPOST	21 DAEPOST	35 DAEPOST
Number of Decimals	0	0	0	0	0
Replicate F	2.274	0.882	0.418	4.026	0.132
Replicate Prob(F)	0.0982	0.4606	0.7410	0.0152	0.9404
Treatment F	227.648	48.887	66.419	42.365	30.908
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	SEBEX	SEBEX	SEBEX
Rating Date							25/5/11	8/6/11	19/5/11	25/5/11	8/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							21 DAEPOST	35 DAEPOST	15 DAEPOST	21 DAEPOST	35 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 e	0 c	0 c	0 b	0 b
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	71 cd	95 ab	35 ab	0 b	0 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	70 d	95 ab	34 ab	0 b	0 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	76 bcd	93 b	34 ab	0 b	0 b
	Preference	0.25	% v/v	4.8	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Preference	0.25	% v/v	4.8	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	79 bcd	95 ab	34 ab	0 b	0 b
	AG 06011	0.313	% v/v	6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 06011	0.313	% v/v	6	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	80 abc	95 ab	33 b	3 ab	0 b
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	80 abc	98 a	33 b	0 b	0 b
	Class Act NG	1.25	% v/v	24	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Class Act NG	1.25	% v/v	24	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	83 ab	98 a	34 ab	3 ab	3 ab
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	83 ab	98 a	35 ab	13 a	0 b
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST					
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 a	97 ab	38 a	13 a	8 a
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST					
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	78 bcd	98 a	36 ab	5 ab	0 b
	AG 08050	0.5	% v/v	9.6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 08050	0.5	% v/v	9.6	fl oz/a	LPOST					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 a	97 ab	36 ab	13 a	0 b
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Interlock	0.208	% v/v	4	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
	Interlock	0.208	% v/v	4	fl oz/a	LPOST					
LSD (P=.05)							9.1	3.7	4.9	11.1	6.7
Standard Deviation							6.3	2.5	3.4	7.7	4.6
CV							8.65	2.88	10.76	194.3	552.68
Grand Mean							73.02	88.21	31.67	3.96	0.83
Replicate F							4.606	0.658	13.033	2.947	0.786
Replicate Prob(F)							0.0084	0.5839	0.0001	0.0471	0.5105
Treatment F							56.298	479.183	35.054	1.956	0.929
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0673	0.5259

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Pest Code							AESIN	ECLAL	ECLAL	CYPES	CYPIR
Rating Date							8/6/11	19/5/11	25/5/11	25/5/11	25/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAEPOST	15 DAEPOST	21 DAEPOST	21 DAEPOST	21 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 b	0 b	0 b	0 c	0 c
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	51 a	0 b	63 b	76 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	49 a	0 b	65 b	78 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	48 a	0 b	70 ab	80 a
	Preference	0.25	% v/v	4.8	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Preference	0.25	% v/v	4.8	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	48 a	0 b	66 ab	78 ab
	AG 06011	0.313	% v/v	6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 06011	0.313	% v/v	6	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	49 a	5 ab	65 b	76 ab
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST					
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	54 a	0 b	69 ab	78 ab
	Class Act NG	1.25	% v/v	24	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Class Act NG	1.25	% v/v	24	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	56 a	0 b	70 ab	79 ab
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	54 a	13 a	75 a	83 a
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST					
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	48 a	13 a	70 ab	78 ab
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST					
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	49 a	0 b	68 ab	79 ab
	AG 08050	0.5	% v/v	9.6	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 08050	0.5	% v/v	9.6	fl oz/a	LPOST					
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	49 a	13 a	68 ab	73 b
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST					
	Interlock	0.208	% v/v	4	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST					
	Interlock	0.208	% v/v	4	fl oz/a	LPOST					
LSD (P=.05)							0.4	11.4	11.1	9.7	7.3
Standard Deviation							0.2	7.9	7.7	6.7	5.0
CV							0.28	17.14	217.16	10.83	7.05
Grand Mean							89.77	46.04	3.54	62.29	71.25
Replicate F							1.247	1.705	2.101	0.442	0.550
Replicate Prob(F)							0.3083	0.1850	0.1189	0.7242	0.6517
Treatment F							52205.540	14.040	2.110	34.723	80.640
Treatment Prob(F)							0.0001	0.0001	0.0482	0.0001	0.0001

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							19/5/11	25/5/11	8/6/11	8/8/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	cm
Trt-Eval Interval							15 DAEPOST	21 DAEPOST	35 DAEPOST	HARVEST
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	21
1	Nontreated						0 a	0 a	0 a	63 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	80 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	69 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST				
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	79 abc
	Preference	0.25	% v/v	4.8	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	Preference	0.25	% v/v	4.8	fl oz/a	LPOST				
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	75 bc
	AG 06011	0.313	% v/v	6	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 06011	0.313	% v/v	6	fl oz/a	LPOST				
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	80 abc
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST				
7	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	88 a
	Class Act NG	1.25	% v/v	24	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	Class Act NG	1.25	% v/v	24	fl oz/a	LPOST				
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	83 ab
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST				
9	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	84 ab
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST				
10	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	87 a
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST				
11	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	78 abc
	AG 08050	0.5	% v/v	9.6	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 08050	0.5	% v/v	9.6	fl oz/a	LPOST				
12	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	0 a	0 a	0 a	89 a
	AG 8034	1	% v/v	19.2	fl oz/a	EPOST				
	Interlock	0.208	% v/v	4	fl oz/a	EPOST				
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST				
	AG 8034	1	% v/v	19.2	fl oz/a	LPOST				
	Interlock	0.208	% v/v	4	fl oz/a	LPOST				
LSD (P=.05)							0.0	0.0	0.0	11.5
Standard Deviation							0.0	0.0	0.0	8.0
CV							0.0	0.0	0.0	10.04
Grand Mean							0.0	0.0	0.0	79.58
Replicate F							0.000	0.000	0.000	2.103
Replicate Prob(F)							1.0000	1.0000	1.0000	0.1187
Treatment F							0.000	0.000	0.000	3.847
Treatment Prob(F)							1.0000	1.0000	1.0000	0.0013

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Clincher plus Winfield Additives

Experiment number	**C11-34**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	04/27/10	5/09/111
Time [hh:mm-hh:mm]	8:40-9:00A	11:20-11:50A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/73	83/77
Relative humidity [%]	86	63
Wind [mph, direction]	7-10,S	5-9,SE
Weather [sunny, etc]	cloudy	sunny
Soil/Leaf surface moist	wet/dry	dry/dry
Crop stage/Height	1-2lf/2-4"	4-5lf/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	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
ECHCG(150-200m^{-2})	½-2"/1-3lf	3-5"/3-5lf
BRAPP(150-200m^{-2})	½-2"/1-3lf	3-5"/3-5lf

Flush Dates	4/7, 4/20, 5/11
Permanent Flood	5/19

*AMFF – Air mix flat fan nozzles

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Clincher plus Winfield Additives

Trial ID: C11-34 Protocol ID: C11-34
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							10/5/11	23/5/11	7/6/11	10/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							13 DAEPOST	26 DAEPOST	41 DAEPOST	13 DAEPOST	26 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0 b	0 d	0 b	0 b	0 c
2	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	96 c	97 a	93 a	95 b
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
3	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	97 ab	98 a	94 a	97 a
	Prime Oil	1.67	% v/v	32	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Prime Oil	1.67	% v/v	32	fl oz/a	LPOST					
4	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	98 a	98 a	93 a	98 a
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST					
5	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	98 a	98 a	95 a	98 a
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
6	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	97 ab	98 a	94 a	97 a
	AG 05006	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
7	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	97 bc	98 a	94 a	97 a
	AG 05006	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST					
8	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	95 a	98 a	97 a	94 a	98 a
	Intergy	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Intergy	0.83	% v/v	16	fl oz/a	LPOST					
9	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	93 a	98 a	98 a	94 a	97 a
	Intergy	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Intergy	0.83	% v/v	16	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
10	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	94 a	98 a	98 a	94 a	98 a
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST					
11	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	95 a	98 a	97 a	95 a	98 a
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST					

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Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							10/5/11	23/5/11	7/6/11	10/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							13 DAEPOST	26 DAEPOST	41 DAEPOST	13 DAEPOST	26 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
12	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	95 a	97 ab	98 a	95 a	98 a
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST					
LSD (P=.05)							3.0	1.4	1.1	3.1	1.8
Standard Deviation							2.1	1.0	0.8	2.1	1.3
CV							2.41	1.12	0.86	2.5	1.43
Grand Mean							86.15	89.33	89.54	86.04	89.35
Replicate F							1.088	1.000	1.532	0.753	3.291
Replicate Prob(F)							0.3678	0.4051	0.2246	0.5283	0.0326
Treatment F							683.725	3167.879	5315.152	637.849	1948.344
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	LEFPA	RICE	RICE	RICE
Rating Date							7/6/11	7/6/11	10/5/11	23/5/11	7/6/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							41 DAEPOST	41 DAEPOST	13 DAEPOST	26 DAEPOST	41 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 b	0 c	0 a	0 a	0 a
2	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	97 a	96 b	0 a	0 a	0 a
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
3	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 a	0 a	0 a	0 a
	Prime Oil	1.67	% v/v	32	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Prime Oil	1.67	% v/v	32	fl oz/a	LPOST					
4	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	97 ab	0 a	0 a	0 a
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST					
5	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 a	0 a	0 a	0 a
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
6	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 ab	0 a	0 a	0 a
	AG 05006	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
7	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 ab	0 a	0 a	0 a
	AG 05006	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST					
8	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	97 a	97 ab	0 a	0 a	0 a
	Intergy	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Intergy	0.83	% v/v	16	fl oz/a	LPOST					
9	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	97 a	98 ab	0 a	0 a	0 a
	Intergy	0.83	% v/v	16	fl oz/a	EPOST					
	InterLock	0.208	% v/v	4	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	Intergy	0.83	% v/v	16	fl oz/a	LPOST					
	InterLock	0.208	% v/v	4	fl oz/a	LPOST					
10	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 ab	0 a	0 a	0 a
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST					
11	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	97 a	98 ab	0 a	0 a	0 a
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST					
12	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	98 a	0 a	0 a	0 a
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST					
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST					
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST					
LSD (P=.05)							1.2	2.0	0.0	0.0	0.0
Standard Deviation							0.9	1.4	0.0	0.0	0.0
CV							0.96	1.52	0.0	0.0	0.0
Grand Mean							89.48	89.4	0.0	0.0	0.0

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Pest Code	BRAPP	LEFPA	RICE	RICE	RICE
Rating Date	7/6/11	7/6/11	10/5/11	23/5/11	7/6/11
Rating Data Type	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit	%	%	%	%	%
Trt-Eval Interval	41 DAEPOST	41 DAEPOST	13 DAEPOST	26 DAEPOST	41 DAEPOST
Number of Decimals	0	0	0	0	0
Replicate F	1.620	0.492	0.000	0.000	0.000
Replicate Prob(F)	0.2034	0.6903	1.0000	1.0000	1.0000
Treatment F	4334.168	1715.204	0.000	0.000	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000	1.0000	1.0000

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Pest Code							RICE	RICE
Rating Date							4/8/11	4/8/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	16
1	Nontreated						89 b	4839 d
2	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	100 a	7022 c
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
3	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	101 a	8748 a
	Prime Oil	1.67	% v/v	32	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	Prime Oil	1.67	% v/v	32	fl oz/a	LPOST		
4	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	100 a	8924 a
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST		
5	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	99 a	8345 abc
	Superb HC	0.83	% v/v	16	fl oz/a	EPOST		
	InterLock	0.208	% v/v	4	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	Superb HC	0.83	% v/v	16	fl oz/a	LPOST		
	InterLock	0.208	% v/v	4	fl oz/a	LPOST		
6	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	98 a	7923 abc
	AG 05006	0.83	% v/v	16	fl oz/a	EPOST		
	InterLock	0.208	% v/v	4	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST		
	InterLock	0.208	% v/v	4	fl oz/a	LPOST		
7	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	102 a	7785 abc
	AG 05006	0.208	% v/v	4	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	AG 05006	0.208	% v/v	4	fl oz/a	LPOST		
8	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	102 a	8541 ab
	Intergy	0.83	% v/v	16	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	Intergy	0.83	% v/v	16	fl oz/a	LPOST		
9	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	101 a	7266 bc
	Intergy	0.83	% v/v	16	fl oz/a	EPOST		
	InterLock	0.208	% v/v	4	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	Intergy	0.83	% v/v	16	fl oz/a	LPOST		
	InterLock	0.208	% v/v	4	fl oz/a	LPOST		
10	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	101 a	8442 ab
	AG 09012	0.83	% v/v	16	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	AG 09012	0.83	% v/v	16	fl oz/a	LPOST		
11	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	100 a	7647 abc
	AG 10055	0.83	% v/v	16	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	AG 10055	0.83	% v/v	16	fl oz/a	LPOST		
12	Clincher	0.25	lb ai/a	13.5	fl oz/a	EPOST	101 a	8108 abc
	AG 09053	0.83	% v/v	16	fl oz/a	EPOST		
	Clincher	0.25	lb ai/a	13.5	fl oz/a	LPOST		
	AG 09053	0.83	% v/v	16	fl oz/a	LPOST		
LSD (P=.05)							5.2	1361.6
Standard Deviation							3.6	943.0
CV							3.62	12.09
Grand Mean							99.49	7799.2

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Pest Code	RICE	RICE
Rating Date	4/8/11	4/8/11
Rating Data Type	AVG. HEIGHT	YIELD
Rating Unit	cm	LB/A
Trt-Eval Interval	HARVEST	HARVEST
Number of Decimals	0	0
Replicate F	1.515	1.449
Replicate Prob(F)	0.2288	0.2462
Treatment F	3.742	5.403
Treatment Prob(F)	0.0016	0.0001

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Ducksalad Control at PRE, COTYLEDON and SPOON Application Timings

Experiment number	**C11-35**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	COTYL	SPOON
Date applied [mm/dd/yy]	04/05/11	05/09/11	05/23/11
Time [hh:mm-hh:mm]	9:25-9:50A	9:15-9:25A	9:45-10:00A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	48/60	76/77	82/79
Relative humidity [%]	60	87	73
Wind [mph, direction]	0-2,N	5-7,SE	7-9,SE
Weather [sunny, etc]	sunny	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	flood/dry
Crop stage/Height	N/A	4-5lf/3-5"	N/A
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	15/23
Applied by	EPW	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------		
HETLI(500-600m^{-2})		0.25"-0.5/cot	2-4"/3-7lf
CYPES(3-5m^{-2})		0.5-2"/1-3lf	3-10"/5-10lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Ducksalad Control at PRE, COTYLEDON and SPOON Application Timings

Trial ID: C11-35 Protocol ID: C11-35
Location: RRS-Crowley, LA Study Director:

Pest Code							HETLI	HETLI	HETLI	HETLI	CYPES
Rating Date							5/10/11	5/25/11	6/6/11	6/20/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAPRE	16 DACOTYL	14 DASPOON	28 DASPOON	35 DAPRE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Newpath	0.0625	lb ai/a	4	fl oz/a	PRE	25 bc	18 e	0 j	13 f	26 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
2	Newpath	0.0625	lb ai/a	4	fl oz/a	COTYL		97 a	91 a	51 ab	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	SPOON		0 g	86 ab	46 b	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
4	Beyond	0.039	lb ai/a	5	fl oz/a	PRE	23 bc	5 fg	0 j	0 g	20 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
5	Beyond	0.039	lb ai/a	5	fl oz/a	COTYL		93 a	74 cd	5 fg	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
6	Beyond	0.039	lb ai/a	5	fl oz/a	SPOON		0 g	85 ab	31 cd	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	21 bc	5 fg	0 j	0 g	10 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
8	Command	0.3	lb ai/a	12.8	fl oz/a	COTYL		0 g	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
9	Command	0.3	lb ai/a	12.8	fl oz/a	SPOON		0 g	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
10	Permit	0.047	lb ai/a	1	oz/a	PRE	25 bc	3 g	0 j	0 g	33 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
11	Permit	0.047	lb ai/a	1	oz/a	COTYL		30 d	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
12	Permit	0.047	lb ai/a	1	oz/a	SPOON		0 g	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
13	Permit Plus	0.0525	lb ai/a	1.12	oz/a	PRE	24 bc	3 g	0 j	0 g	54 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
14	Permit Plus	0.0525	lb ai/a	1.12	oz/a	COTYL		84 b	44 g	5 fg	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
15	Permit Plus	0.0525	lb ai/a	1.12	oz/a	SPOON		0 g	80 bc	35 c	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
16	Grasp	0.036	lb ai/a	2.3	fl oz/a	PRE	63 a	11 ef	0 j	0 g	38 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					

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Pest Code							HETLI	HETLI	HETLI	HETLI	CYPES
Rating Date							5/10/11	5/25/11	6/6/11	6/20/11	5/10/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DAPRE	16 DACOTYL	14 DASPOON	28 DASPOON	35 DAPRE
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
17	Grasp	0.036	lb ai/a	2.3	fl oz/a	COTYL		97 a	91 a	55 a	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
18	Grasp	0.036	lb ai/a	2.3	fl oz/a	SPOON		0 g	79 bc	23 e	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
19	Regiment	0.025	lb ai/a	0.5	oz/a	PRE	30 b	5 fg	0 j	0 g	20 bcd
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	PRE					
						PRE					
20	Regiment	0.025	lb ai/a	0.5	oz/a	COTYL		94 a	61 ef	0 g	
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	COTYL					
						COTYL					
21	Regiment	0.025	lb ai/a	0.5	oz/a	SPOON		0 g	81 bc	26 de	
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	SPOON					
						SPOON					
22	Strada	0.0656	lb ai/a	2.1	oz/a	PRE	20 bc	0 g	0 j	0 g	29 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
23	Strada	0.0656	lb ai/a	2.1	oz/a	COTYL		60 c	18 i	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
24	Strada	0.0656	lb ai/a	2.1	oz/a	SPOON		0 g	56 f	24 de	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
25	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	25 bc	3 g	0 j	0 g	21 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
26	Sharpen	0.0445	lb ai/a	2	fl oz/a	COTYL		68 c	28 h	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
27	Sharpen	0.0445	lb ai/a	2	fl oz/a	SPOON		0 g	66 de	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
28	League	0.14	lb ai/a	3	oz/a	PRE	18 c	3 g	0 j	0 g	43 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE					
						PRE					
29	League	0.14	lb ai/a	3	oz/a	COTYL		0 g	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL					
						COTYL					
30	League	0.14	lb ai/a	3	oz/a	SPOON		0 g	0 j	0 g	
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON					
						SPOON					
31	Nontreated						0 d	0 g	0 j	0 g	0 d
LSD (P=.05)							10.4	8.2	8.2	8.0	23.1
Standard Deviation							7.2	5.8	5.8	5.7	16.0
CV							29.2	26.57	19.13	56.0	60.19
Grand Mean							24.77	21.8	30.32	10.12	26.59
Replicate F							0.275	1.677	1.087	0.542	0.867
Replicate Prob(F)							0.8428	0.1777	0.3589	0.6549	0.4692
Treatment F							16.508	151.596	165.416	36.447	3.509
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0037

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Pest Code							CYPES	CYPES	CYPES
Rating Date							5/25/11	6/6/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16 DACOTYL	14 DASPOON	28 DASPOON
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8
1	Newpath	0.0625	lb ai/a	4	fl oz/a	PRE	8 d	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
2	Newpath	0.0625	lb ai/a	4	fl oz/a	COTYL	58 b	86 ab	70 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
3	Newpath	0.0625	lb ai/a	4	fl oz/a	SPOON	0 e	54 e	40 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
4	Beyond	0.039	lb ai/a	5	fl oz/a	PRE	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
5	Beyond	0.039	lb ai/a	5	fl oz/a	COTYL	61 b	75 bcd	35 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
6	Beyond	0.039	lb ai/a	5	fl oz/a	SPOON	0 e	53 e	35 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
8	Command	0.3	lb ai/a	12.8	fl oz/a	COTYL	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
9	Command	0.3	lb ai/a	12.8	fl oz/a	SPOON	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
10	Permit	0.047	lb ai/a	1	oz/a	PRE	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
11	Permit	0.047	lb ai/a	1	oz/a	COTYL	92 a	86 ab	90 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
12	Permit	0.047	lb ai/a	1	oz/a	SPOON	0 e	90 a	85 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
13	Permit Plus	0.0525	lb ai/a	1.12	oz/a	PRE	3 de	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
14	Permit Plus	0.0525	lb ai/a	1.12	oz/a	COTYL	95 a	90 a	89 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
15	Permit Plus	0.0525	lb ai/a	1.12	oz/a	SPOON	61 b	85 abc	81 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
16	Grasp	0.036	lb ai/a	2.3	fl oz/a	PRE	0 e	5 g	10 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
17	Grasp	0.036	lb ai/a	2.3	fl oz/a	COTYL	95 a	95 a	89 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
18	Grasp	0.036	lb ai/a	2.3	fl oz/a	SPOON	0 e	53 e	61 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			

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Pest Code							CYPES	CYPES	CYPES
Rating Date							5/25/11	6/6/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%
Trt-Eval Interval							16 DACOTYL	14 DASPOON	28 DASPOON
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8
19	Regiment	0.025	lb ai/a	0.5	oz/a	PRE	0 e	0 g	0 e
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	PRE			
						PRE			
20	Regiment	0.025	lb ai/a	0.5	oz/a	COTYL	88 a	85 abc	43 cd
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	COTYL			
						COTYL			
21	Regiment	0.025	lb ai/a	0.5	oz/a	SPOON	0 e	71 d	50 c
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	SPOON			
						SPOON			
22	Strada	0.0656	lb ai/a	2.1	oz/a	PRE	0 e	5 g	5 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
23	Strada	0.0656	lb ai/a	2.1	oz/a	COTYL	88 a	51 e	43 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
24	Strada	0.0656	lb ai/a	2.1	oz/a	SPOON	0 e	75 bcd	34 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
25	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	0 e	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
26	Sharpen	0.0445	lb ai/a	2	fl oz/a	COTYL	41 c	31 f	5 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
27	Sharpen	0.0445	lb ai/a	2	fl oz/a	SPOON	0 e	48 e	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
28	League	0.14	lb ai/a	3	oz/a	PRE	5 de	0 g	0 e
	Agri-Dex	1	% v/v	19.2	fl oz/a	PRE			
						PRE			
29	League	0.14	lb ai/a	3	oz/a	COTYL	0 e	73 cd	86 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	COTYL			
						COTYL			
30	League	0.14	lb ai/a	3	oz/a	SPOON	35 c	74 bcd	84 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	SPOON			
						SPOON			
31	Nontreated						0 e	0 g	0 e
LSD (P=.05)							7.4	12.7	10.8
Standard Deviation							5.2	9.0	7.6
CV							22.22	21.77	22.9
Grand Mean							23.47	41.4	33.35
Replicate F							0.968	1.248	1.627
Replicate Prob(F)							0.4114	0.2972	0.1888
Treatment F							188.380	70.046	86.370
Treatment Prob(F)							0.0001	0.0001	0.0001

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Evaluation of League Applied PRE to Conventional Rice

Experiment number	**C11-36**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A
Application type	PRE
Date applied [mm/dd/yy]	04/05/11
Time [hh:mm-hh:mm]	1:00-1:15P
Incorporation equip./Depth	N/A
Air/Soil temperature [F]	62/65
Relative humidity [%]	47
Wind [mph, direction]	1-7,NE
Weather [sunny, etc]	sunny
Soil/Leaf surface moist	dry/N/A
Crop stage/Height	N/A
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	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Evaluation of League Applied PRE to Conventional Rice

Trial ID: C11-36 Protocol ID: C11-36
Location: RRS-Crowley Study Director:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6	7
Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							5/4/11	5/23/11	6/6/11	5/4/11	5/23/11	6/6/11	5/4/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							30 DAPRE	49 DAPRE	63 DAPRE	30 DAPRE	49 DAPRE	63 DAPRE	30 DAPRE
Number of Decimals							0	0	0	0	0	0	0
1	Nontreated						0 e	0 f	0 d	0 f	0 f	0 d	0 g
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	81 abc	64 b	91 bcd	82 ab	65 b	71 ef
3	League	0.094	lb ai/a	2	oz/a	PRE	93 ab	60 de	36 c	90 cd	59 de	36 c	70 ef
4	League	0.14	lb ai/a	3	oz/a	PRE	84 c	53 e	36 c	80 e	53 e	36 c	73 def
5	League	0.188	lb ai/a	4	oz/a	PRE	91 b	54 e	36 c	88 d	54 e	39 c	85 ab
6	League	0.234	lb ai/a	5	oz/a	PRE	91 b	73 bc	44 c	88 d	66 cd	44 c	65 f
7	League	0.28	lb ai/a	6	oz/a	PRE	91 b	70 cd	44 c	91 bcd	74 bc	44 c	85 ab
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	85 a	81 a	94 abc	85 ab	81 a	79 b-e
	League	0.094	lb ai/a	2	oz/a	PRE							
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	91 a	79 a	95 ab	89 a	79 a	73 def
	League	0.14	lb ai/a	3	oz/a	PRE							
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 a	83 a	97 a	94 a	83 a	81 bcd
	League	0.188	lb ai/a	4	oz/a	PRE							
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	89 a	84 a	97 a	90 a	84 a	84 abc
	League	0.234	lb ai/a	5	oz/a	PRE							
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	93 a	89 a	97 a	94 a	88 a	91 a
	League	0.28	lb ai/a	6	oz/a	PRE							
13	Permit	0.047	lb ai/a	1	oz/a	PRE	76 d	50 e	36 c	86 d	50 e	36 c	75 cde
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	83 ab	81 a	95 ab	84 ab	83 a	76 b-e
	Permit	0.047	lb ai/a	1	oz/a	PRE							
LSD (P=.05)							4.8	11.3	13.7	5.0	12.1	12.9	8.8
Standard Deviation							3.4	7.9	9.6	3.5	8.5	9.0	6.1
CV							3.92	11.36	16.99	4.12	12.19	15.91	8.55
Grand Mean							85.63	69.46	56.61	85.0	69.43	56.88	71.96
Replicate F							5.525	3.338	3.947	2.661	2.970	4.485	13.110
Replicate Prob(F)							0.0029	0.0290	0.0150	0.0615	0.0435	0.0085	0.0001
Treatment F							228.473	41.022	31.250	203.500	36.320	34.943	50.789
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	AESIN	ALRPH	ALRPH
Rating Date							5/23/11	6/6/11	5/4/11	5/23/11	6/6/11	5/23/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							49 DAPRE	63 DAPRE	30 DAPRE	49 DAPRE	63 DAPRE	49 DAPRE	63 DAPRE
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	8	9	10	11	12	13	14
1	Nontreated						0 f	0 e	0 e	0 f	0 h	0 c	0 d
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	40 e	28 d	69 d	40 e	28 g	41 ab	10 cd
3	League	0.094	lb ai/a	2	oz/a	PRE	55 cde	56 ab	74 cd	49 de	41 efg	35 ab	20 bc
4	League	0.14	lb ai/a	3	oz/a	PRE	41 e	46 bc	79 bc	49 de	46 def	38 ab	24 b
5	League	0.188	lb ai/a	4	oz/a	PRE	68 abc	64 a	83 abc	64 bcd	56 b-e	40 ab	23 b
6	League	0.234	lb ai/a	5	oz/a	PRE	54 cde	53 abc	76 cd	64 bcd	63 abc	34 ab	25 ab
7	League	0.28	lb ai/a	6	oz/a	PRE	68 abc	66 a	83 abc	65 bcd	68 abc	36 ab	35 a
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	51 de	53 abc	74 cd	61 cd	56 b-e	34 ab	20 bc
	League	0.094	lb ai/a	2	oz/a	PRE							
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	69 abc	51 abc	74 cd	60 cd	60 bcd	41 ab	20 bc
	League	0.14	lb ai/a	3	oz/a	PRE							
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	78 a	55 ab	80 bc	84 a	63 abc	39 ab	21 b
	League	0.188	lb ai/a	4	oz/a	PRE							
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	75 ab	66 a	86 ab	80 ab	69 ab	34 ab	20 bc
	League	0.234	lb ai/a	5	oz/a	PRE							
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	61 bcd	59 ab	90 a	76 abc	78 a	38 ab	30 ab
	League	0.28	lb ai/a	6	oz/a	PRE							
13	Permit	0.047	lb ai/a	1	oz/a	PRE	68 abc	38 cd	75 cd	60 cd	38 fg	31 b	20 bc
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	54 cde	54 ab	79 bc	50 de	53 c-f	44 a	30 ab
	Permit	0.047	lb ai/a	1	oz/a	PRE							
LSD (P=.05)							16.1	15.5	9.3	17.7	15.4	11.2	11.2
Standard Deviation							11.3	10.8	6.5	12.4	10.8	7.9	7.8
CV							20.2	22.05	8.96	21.7	21.12	22.77	36.75
Grand Mean							55.71	49.11	72.86	57.23	51.16	34.55	21.25
Replicate F							0.592	0.503	9.310	5.761	0.616	2.989	2.372
Replicate Prob(F)							0.6237	0.6828	0.0001	0.0023	0.6090	0.0426	0.0852
Treatment F							12.279	10.631	44.245	11.029	13.560	7.202	4.793
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECLAL	CYPES	CYPES	CYPES	CYPIR	CYPIR	COMDI
Rating Date							5/4/11	5/4/11	5/23/11	6/6/11	5/23/11	6/6/11	5/4/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%	%
Trt-Eval Interval							30 DAPRE	30 DAPRE	49 DAPRE	63 DAPRE	49 DAPRE	63 DAPRE	30 DAPRE
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	15	16	17	18	19	20	21
1	Nontreated						0 c	0 f	0 g	0 f	0 h	0 f	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	56 b	60 e	34 f	0 f	41 g	5 f	48 b
3	League	0.094	lb ai/a	2	oz/a	PRE	78 a	70 b-e	45 ef	15 ef	49 d-g	15 ef	66 a
4	League	0.14	lb ai/a	3	oz/a	PRE	75 a	68 cde	46 ef	25 e	46 fg	25 e	64 a
5	League	0.188	lb ai/a	4	oz/a	PRE	80 a	71 bcd	46 ef	31 de	46 fg	31 de	68 a
6	League	0.234	lb ai/a	5	oz/a	PRE	78 a	74 bcd	54 de	51 bc	63 b-f	50 bc	65 a
7	League	0.28	lb ai/a	6	oz/a	PRE	75 a	79 ab	70 abc	48 cd	71 abc	45 cd	66 a
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 a	70 b-e	55 cde	20 e	55 c-g	15 ef	69 a
	League	0.094	lb ai/a	2	oz/a	PRE							
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	79 a	64 de	50 de	15 ef	48 efg	15 ef	74 a
	League	0.14	lb ai/a	3	oz/a	PRE							
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	85 a	73 bcd	60 b-e	53 bc	65 b-e	53 bc	66 a
	League	0.188	lb ai/a	4	oz/a	PRE							
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	79 a	68 cde	63 a-d	49 bc	66 bcd	51 bc	66 a
	League	0.234	lb ai/a	5	oz/a	PRE							
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 a	85 a	78 a	79 a	86 a	85 a	74 a
	League	0.28	lb ai/a	6	oz/a	PRE							
13	Permit	0.047	lb ai/a	1	oz/a	PRE	81 a	76 abc	73 ab	65 ab	74 ab	65 b	70 a
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 a	79 ab	63 a-d	58 bc	53 d-g	55 bc	66 a
	Permit	0.047	lb ai/a	1	oz/a	PRE							
LSD (P=.05)							17.6	10.3	16.0	16.4	18.2	16.8	16.2
Standard Deviation							12.3	7.2	11.2	11.4	12.7	11.7	11.3
CV							16.98	10.84	21.27	31.57	23.33	32.2	18.4
Grand Mean							72.32	66.79	52.5	36.25	54.46	36.43	61.52
Replicate F							0.588	4.087	2.568	3.540	4.710	4.958	0.059
Replicate Prob(F)							0.6266	0.0129	0.0683	0.0232	0.0067	0.0052	0.9808
Treatment F							12.822	31.376	11.949	18.328	10.180	18.127	10.975
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE	RICE
Rating Date							5/4/11	5/23/11	6/6/11
Rating Data Type							INJURY	INJURY	INJURY
Rating Unit							%	%	%
Trt-Eval Interval							30 DAPRE	49 DAPRE	63 DAPRE
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	22	23	24
1	Nontreated						0 c	0 a	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 a	0 a
3	League	0.094	lb ai/a	2	oz/a	PRE	0 c	0 a	0 a
4	League	0.14	lb ai/a	3	oz/a	PRE	0 c	0 a	0 a
5	League	0.188	lb ai/a	4	oz/a	PRE	4 bc	0 a	0 a
6	League	0.234	lb ai/a	5	oz/a	PRE	9 ab	0 a	0 a
7	League	0.28	lb ai/a	6	oz/a	PRE	8 ab	0 a	0 a
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	3 bc	0 a	0 a
	League	0.094	lb ai/a	2	oz/a	PRE			
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	3 bc	0 a	0 a
	League	0.14	lb ai/a	3	oz/a	PRE			
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 c	0 a	0 a
	League	0.188	lb ai/a	4	oz/a	PRE			
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	9 ab	0 a	0 a
	League	0.234	lb ai/a	5	oz/a	PRE			
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	11 a	0 a	0 a
	League	0.28	lb ai/a	6	oz/a	PRE			
13	Permit	0.047	lb ai/a	1	oz/a	PRE	3 bc	0 a	0 a
14	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	6 abc	0 a	0 a
	Permit	0.047	lb ai/a	1	oz/a	PRE			
LSD (P=.05)							6.8	0.0	0.0
Standard Deviation							4.8	0.0	0.0
CV							123.84	0.0	0.0
Grand Mean							3.84	0.0	0.0
Replicate F							8.287	0.000	0.000
Replicate Prob(F)							0.0002	1.0000	1.0000
Treatment F							2.742	0.000	0.000
Treatment Prob(F)							0.0075	1.0000	1.0000

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Evaluation of League Applied MPOST to Conventional Rice

Experiment number	**C11-37**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	MPOST
Date applied [mm/dd/yy]	04/05/11	05/05/11
Time [hh:mm-hh:mm]	9:15-9:23A	10:30-10:45A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	48/60	69/65
Relative humidity [%]	60	52
Wind [mph, direction]	0-2,N	5-7,NE
Weather [sunny, etc]	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry
Crop stage/Height	N/A	3-5lf/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	15/25
Applied by	EPW	JBH

Weed Species (population)	---------- (height/#leaves) ----------
BRAPP(50-75m^{-2})	½-2"/3-5lf
ECHCG(30-50m^{-2})	½-1"/2-3lf
CYPES(100-120m^{-2})	3-6"/3-6lf
CYPIR(50-100m^{-2})	1-2"/1-3lf
AESIN(20-40m^{-2})	1-4"/2-5lf
SEBEX(10-30m^{-2})	1-4"/2-5lf
CNPPA(5-10m^{-2})	1-2"/cot-1lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Evaluation of League Applied MPOST to Conventional Rice

Trial ID: C11-37 Protocol ID: C11-37
Location: RRS-Crowley, LA Study Director:

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
	Pest Code						ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
	Rating Date						5/24/11	6/6/11	6/20/11	5/24/11	6/6/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%
	Trt-Eval Interval						19 DAMPOST	32 DAMPOST	46 DAMPOST	19 DAMPOST	32 DAMPOST
	Number of Decimals						0	0	0	0	0
1	Nontreated						0 c	0 c	0 c	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 b	65 b	68 b	93 b	73 b
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	98 a	97 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	Permit	0.047	lb ai/a	1	oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	95 a	97 a	96 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.094	lb ai/a	2	oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	98 a	97 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.14	lb ai/a	3	oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	97 a	97 a	96 a	97 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.188	lb ai/a	4	oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	98 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.234	lb ai/a	5	oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	98 a	97 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.28	lb ai/a	6	oz/a	MPOST					
	LSD (P=.05)						2.8	2.0	7.9	2.8	8.1
	Standard Deviation						1.9	1.3	5.4	1.9	5.5
	CV						2.22	1.67	6.64	2.22	6.68
	Grand Mean						84.72	80.88	81.09	84.69	81.91
	Replicate F						0.503	1.235	2.167	0.576	0.886
	Replicate Prob(F)						0.6845	0.3219	0.1221	0.6368	0.4647
	Treatment F						1326.934	2620.745	162.888	1326.429	156.200
	Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	SEBEX	SEBEX	SEBEX	AESIN
Rating Date							6/20/11	5/24/11	6/6/11	6/20/11	5/24/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							46 DAMPOST	19 DAMPOST	32 DAMPOST	46 DAMPOST	19 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 c	0 b	0 b	0 d	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	74 b	0 b	0 b	0 d	0 c
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	98 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	Permit	0.047	lb ai/a	1	oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	97 a	97 bc	97 b
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.094	lb ai/a	2	oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	98 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.14	lb ai/a	3	oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	98 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.188	lb ai/a	4	oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	97 a	96 c	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.234	lb ai/a	5	oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	97 a	97 ab	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.28	lb ai/a	6	oz/a	MPOST					
LSD (P=.05)							11.5	0.0	1.9	1.4	0.7
Standard Deviation							7.8	0.0	1.3	1.0	0.5
CV							9.49	0.0	1.77	1.31	0.68
Grand Mean							82.34	73.5	72.94	72.94	73.38
Replicate F							1.137	0.000	1.129	1.235	1.000
Replicate Prob(F)							0.3571	1.0000	0.3600	0.3219	0.4123
Treatment F							77.023	0.000	4881.323	8904.059	32818.003
Treatment Prob(F)							0.0001	1.0000	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	ALRPH	ALRPH	ALRPH
Rating Date							6/6/11	6/20/11	5/24/11	6/6/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							32 DAMPOST	46 DAMPOST	19 DAMPOST	32 DAMPOST	46 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 b	0 c	0 b	0 c	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 b	0 c	0 b	0 c	0 a
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	51 a	44 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	Permit	0.047	lb ai/a	1	oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 ab	50 a	41 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.094	lb ai/a	2	oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	49 a	40 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.14	lb ai/a	3	oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	49 a	45 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.188	lb ai/a	4	oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 b	53 a	41 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.234	lb ai/a	5	oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	53 a	28 b	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.28	lb ai/a	6	oz/a	MPOST					
LSD (P=.05)							1.8	0.8	9.8	9.8	0.0
Standard Deviation							1.2	0.5	6.7	6.7	0.0
CV							1.69	0.72	17.58	22.29	0.0
Grand Mean							72.81	73.34	37.97	29.84	0.0
Replicate F							0.906	1.000	5.023	1.525	0.000
Replicate Prob(F)							0.4549	0.4123	0.0088	0.2373	1.0000
Treatment F							5323.189	29146.653	49.521	33.242	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							CNPPA	CNNPA	CNPPA	CYPES	CYPES
Rating Date							5/24/11	6/6/11	6/20/11	5/24/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							19 DAMPOST	32 DAMPOST	46 DAMPOST	19 DAMPOST	32 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated						0 b	0 c	0 b	0 c	0 d
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 b	0 c	0 b	0 c	0 d
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	97 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	Permit	0.047	lb ai/a	1	oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	95 b	98 a	96 a	96 c
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.094	lb ai/a	2	oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	95 ab	97 bc
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.14	lb ai/a	3	oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	89 b	97 ab
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.188	lb ai/a	4	oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	98 a	98 a	97 ab
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.234	lb ai/a	5	oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	95 a	98 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.28	lb ai/a	6	oz/a	MPOST					
LSD (P=.05)							0.8	2.0	1.1	5.7	1.5
Standard Deviation							0.5	1.4	0.8	3.9	1.0
CV							0.72	1.89	1.05	5.41	1.39
Grand Mean							73.41	72.88	73.31	71.22	72.84
Replicate F							1.000	1.189	0.636	3.405	2.455
Replicate Prob(F)							0.4123	0.3381	0.5999	0.0365	0.0914
Treatment F							29195.669	4278.114	13899.001	522.751	7842.767
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	COMDI	COMDI	RICE	RICE
Rating Date							6/20/11	5/24/11	6/20/11	5/24/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							46 DAMPOST	19 DAMPOST	46 DAMPOST	19 DAMPOST	32 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated						0 b	0 c	0 c	0 a	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 b	49 b	76 b	0 a	0 a
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	13 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	Permit	0.047	lb ai/a	1	oz/a	MPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	91 a	97 a	3 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.094	lb ai/a	2	oz/a	MPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	6 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.14	lb ai/a	3	oz/a	MPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	3 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.188	lb ai/a	4	oz/a	MPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	4 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.234	lb ai/a	5	oz/a	MPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	6 a	0 a
	Stam M4	4	lb ai/a	4	qt/a	MPOST					
	League	0.28	lb ai/a	6	oz/a	MPOST					
LSD (P=.05)							1.8	10.4	10.2	9.2	0.0
Standard Deviation							1.2	7.1	6.9	6.3	0.0
CV							1.65	9.03	8.37	148.92	0.0
Grand Mean							72.94	78.41	82.47	4.22	0.0
Replicate F							1.296	1.477	0.699	0.864	0.000
Replicate Prob(F)							0.3018	0.2494	0.5633	0.4750	1.0000
Treatment F							5604.926	102.667	97.795	1.716	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.1593	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							6/20/11	8/4/11	8/4/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							46 DAMPOST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	30	33
1	Nontreated						0 a	81 a	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	81 a	6221 a
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 a	3995 b
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	Permit	0.047	lb ai/a	1	oz/a	MPOST			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	79 a	5175 ab
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	League	0.094	lb ai/a	2	oz/a	MPOST			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 a	5046 ab
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	League	0.14	lb ai/a	3	oz/a	MPOST			
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	94 a	4975 b
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	League	0.188	lb ai/a	4	oz/a	MPOST			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 a	4100 b
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	League	0.234	lb ai/a	5	oz/a	MPOST			
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	93 a	5010 ab
	Stam M4	4	lb ai/a	4	qt/a	MPOST			
	League	0.28	lb ai/a	6	oz/a	MPOST			
LSD (P=.05)							0.0	15.0	1227.7
Standard Deviation							0.0	10.2	834.7
CV							0.0	11.42	19.34
Grand Mean							0.0	89.22	4315.26
Replicate F							0.000	0.225	3.017
Replicate Prob(F)							1.0000	0.8780	0.0527
Treatment F							0.000	2.126	20.168
Treatment Prob(F)							1.0000	0.0856	0.0001

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Evaluation of League plus Newpath

Experiment number	**C11-38**
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	04/11/11
Harvest date	08/08/11
Crop/Variety	CL131
Emergence date	04/25/11
Uniform std. treatment	N/A

Application type	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	04/11/11	05/04/11	05/16/11
Time [hh:mm-hh:mm]	1:55-2:05P	9:30-9:45A	9:30-9:45A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	83/80	59/60	67/68
Relative humidity [%]	60	84	51
Wind [mph, direction]	7-10,SW	3-6,N	2-5,N
Weather [sunny, etc]	cloudy	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	1-3lf/2-3"	51f-1till/6-8"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/23	15/25	15/25
Applied by	JCF	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
ORYSA(30-50m^{-2})	2-6"/2-4lf	4-5"/4-6lf
ECHCG(50-75m^{-2})	1-3"/1-4lf	4-5"/4-5lf
BRAPP(50-75m^{-2})	¼-2"/1-3lf	4-5"/4-5lf
ALRPH(2-3m^{-2})	1-3"/2-4lf	5-10"/7-11lf
SEBEX(2-5m^{-2})	½-1"/1-3lf	3-5"/4-6lf
AESIN(2-5m^{-2})		4-6"/4-6lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Evaluation of League plus Newpath

Trial ID: C11-38 Protocol ID: C11-38
Location: RRS-Crowley, LA Study Director:

Trt No.	Treatment Name	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						5/25/11	6/7/11	6/20/11	7/5/11	5/25/11	6/7/11
	Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
	Rating Unit						%	%	%	%	%	%
	Trt-Eval Interval						9 DAT	22 DAT	35 DAT	50 DAT	9 DAT	22 DAT
	Number of Decimals						0	0	0	0	0	0
1	Nontreated						0 d	0 c	0 d	0 c	0 c	0 f
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	94 ab	91 ab	95 a	95 ab	93 d
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	93 ab	89 ab	86 b	95 ab	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.094	lb ai/a	2	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	96 a	93 ab	95 a	95 ab	97 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.188	lb ai/a	4	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 bc	94 ab	95 a	90 ab	96 ab	95 bcd
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.28	lb ai/a	6	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	96 a	95 a	91 ab	95 ab	97 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.094	lb ai/a	2	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	92 ab	88 bc	91 ab	96 ab	95 cd
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.188	lb ai/a	4	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 bc	94 ab	91 ab	92 ab	94 ab	96 a-d
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.28	lb ai/a	6	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 c	90 b	81 c	86 b	93 b	90 e
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Permit	0.047	lb ai/a	1	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						

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Pest Code							ORYSA	ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							5/25/11	6/7/11	6/20/11	7/5/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	50 DAT	9 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 ab	95 ab	95 ab	95 a	94 ab	97 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit	0.047	lb ai/a	1	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	95 a	93 ab	94 a	97 a	97 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	EPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 ab	95 a	95 a	92 ab	97 ab	97 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	LPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	LPOST						
LSD (P=.05)							3.7	4.8	7.1	7.8	4.3	2.7
Standard Deviation							2.6	3.4	4.9	5.4	3.0	1.9
CV							3.03	3.9	5.9	6.42	3.4	2.17
Grand Mean							85.6	86.02	83.79	84.0	87.04	87.67
Replicate F							5.945	1.193	0.734	1.869	5.171	0.276
Replicate Prob(F)							0.0023	0.3276	0.5391	0.1541	0.0049	0.8422
Treatment F							434.536	262.107	116.859	97.443	344.605	847.536
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date							6/20/11	7/5/11	5/25/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							35 DAT	50 DAT	9 DAT	22 DAT	35 DAT	50 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Nontreated						0 b	0 c	0 b	0 c	0 b	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	95 ab	98 a	96 b	98 a	97 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	90 b	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.094	lb ai/a	2	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 ab	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.188	lb ai/a	4	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 ab	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.28	lb ai/a	6	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 ab	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.094	lb ai/a	2	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	96 ab	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.188	lb ai/a	4	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 ab	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.28	lb ai/a	6	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	90 ab	98 a	98 a	98 a	97 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Permit	0.047	lb ai/a	1	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	97 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit	0.047	lb ai/a	1	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						

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Pest Code							ECHCG	ECHCG	BRAPP	BRAPP	BRAPP	BRAPP
Rating Date							6/20/11	7/5/11	5/25/11	6/7/11	6/20/11	7/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							35 DAT	50 DAT	9 DAT	22 DAT	35 DAT	50 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	EPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	LPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	LPOST						
LSD (P=.05)							2.3	7.2	0.0	1.7	0.0	1.1
Standard Deviation							1.6	5.0	0.0	1.2	0.0	0.8
CV							1.77	5.72	0.0	1.29	0.0	0.89
Grand Mean							89.29	87.31	89.83	89.67	89.83	89.5
Replicate F							0.234	0.311	0.000	1.000	0.000	0.088
Replicate Prob(F)							0.8720	0.8174	1.0000	0.4051	1.0000	0.9661
Treatment F							1269.663	122.410	0.000	2393.091	0.000	5034.384
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	1.0000	0.0001

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Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	ALRPH	ALRPH
Rating Date							5/25/11	6/7/11	6/20/11	7/5/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	50 DAT	9 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Nontreated						0 b	0 c	0 d	0 c	0 b	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE						
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	88 b	90 c	50 b	91 a	83 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	85 a	75 c
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.094	lb ai/a	2	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	92 a	89 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.188	lb ai/a	4	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	85 a	81 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	League	0.28	lb ai/a	6	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	98 a	86 a	90 ab
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.094	lb ai/a	2	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 a	98 a	98 a	98 a	89 a	88 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.188	lb ai/a	4	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	98 a	96 b	98 a	90 a	83 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	League	0.28	lb ai/a	6	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	85 a	79 bc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Permit	0.047	lb ai/a	1	oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	85 a	85 abc
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Permit	0.047	lb ai/a	1	oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						

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Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	ALRPH	ALRPH
Rating Date							5/25/11	6/7/11	6/20/11	7/5/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	35 DAT	50 DAT	9 DAT	22 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	94 a	94 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	EPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST						
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	98 a	95 a	93 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST						
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST						
	Regiment	0.025	lb ai/a	0.5	oz/a	LPOST						
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	LPOST						
LSD (P=.05)							6.7	3.2	1.7	3.4	13.4	13.7
Standard Deviation							4.7	2.2	1.2	2.4	9.3	9.5
CV							5.27	2.49	1.3	2.75	11.42	12.12
Grand Mean							88.58	89.02	89.0	85.83	81.25	78.21
Replicate F							0.953	1.000	1.000	1.000	0.288	0.109
Replicate Prob(F)							0.4265	0.4051	0.4051	0.4051	0.8336	0.9541
Treatment F							143.848	646.699	2372.728	663.164	30.994	28.481
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	RICE	RICE	RICE	RICE	RICE
Rating Date							6/20/11	7/5/11	5/25/11	6/7/11	6/20/11	7/5/11	8/8/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	%	%	%	cm
Trt-Eval Interval							35 DAT	50 DAT	9 DAT	22 DAT	35 DAT	50 DAT	HAVREST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24	28
1	Nontreated						0 d	0 c	0 a	0 a	0 a	0 a	64 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE							
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	92 ab	78 b	1 a	0 a	0 a	0 a	96 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	84 bc	79 ab	1 a	0 a	0 a	0 a	95 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	League	0.094	lb ai/a	2	oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 ab	84 ab	0 a	0 a	0 a	0 a	95 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	League	0.188	lb ai/a	4	oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 ab	78 b	0 a	0 a	0 a	0 a	92 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	League	0.28	lb ai/a	6	oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	80 ab	1 a	0 a	0 a	0 a	95 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	League	0.094	lb ai/a	2	oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	80 ab	0 a	0 a	0 a	0 a	96 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	League	0.188	lb ai/a	4	oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	78 c	80 ab	0 a	0 a	0 a	0 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	League	0.28	lb ai/a	6	oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 ab	83 ab	0 a	0 a	0 a	0 a	96 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Permit	0.047	lb ai/a	1	oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 ab	80 ab	1 a	0 a	0 a	0 a	93 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Permit	0.047	lb ai/a	1	oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							

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Pest Code							ALRPH	ALRPH	RICE	RICE	RICE	RICE	RICE
Rating Date							6/20/11	7/5/11	5/25/11	6/7/11	6/20/11	7/5/11	8/8/11
Rating Data Type							CONTROL	CONTROL	INJURY	INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	%	%	%	cm
Trt-Eval Interval							35 DAT	50 DAT	9 DAT	22 DAT	35 DAT	50 DAT	HAVREST
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24	28
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 ab	78 b	1 a	0 a	0 a	0 a	93 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Regiment	0.025	lb ai/a	0.5	oz/a	EPOST							
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST							
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	85 a	3 a	0 a	0 a	0 a	94 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST							
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST							
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST							
	Regiment	0.025	lb ai/a	0.5	oz/a	LPOST							
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	LPOST							
LSD (P=.05)							7.9	7.1	3.1	0.0	0.0	0.0	7.6
Standard Deviation							5.5	4.9	2.1	0.0	0.0	0.0	5.3
CV							6.76	6.67	292.9	0.0	0.0	0.0	5.73
Grand Mean							80.81	73.54	0.73	0.0	0.0	0.0	92.17
Replicate F							1.503	0.606	1.332	0.000	0.000	0.000	1.714
Replicate Prob(F)							0.2319	0.6156	0.2806	1.0000	1.0000	1.0000	0.1832
Treatment F							89.130	90.181	0.612	0.000	0.000	0.000	11.650
Treatment Prob(F)							0.0001	0.0001	0.8048	1.0000	1.0000	1.0000	0.0001

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Pest Code	RICE
Rating Date	8/8/11
Rating Data Type	YIELD
Rating Unit	LB/A
Trt-Eval Interval	HARVEST
Number of Decimals	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31
1	Nontreated						0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7651 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	8268 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	League	0.094	lb ai/a	2	oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	8041 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	League	0.188	lb ai/a	4	oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7713 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	League	0.28	lb ai/a	6	oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7726 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	League	0.094	lb ai/a	2	oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5717 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	League	0.188	lb ai/a	4	oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7501 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	League	0.28	lb ai/a	6	oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
9	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5111 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Permit	0.047	lb ai/a	1	oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
10	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7737 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Permit	0.047	lb ai/a	1	oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	

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Pest Code	RICE
Rating Date	8/8/11
Rating Data Type	YIELD
Rating Unit	LB/A
Trt-Eval Interval	HARVEST
Number of Decimals	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31
11	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	8080 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Regiment	0.025	lb ai/a	0.5	oz/a	EPOST	
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST	
12	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	7350 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST	
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST	
	Regiment	0.025	lb ai/a	0.5	oz/a	LPOST	
	Dyne-A-Pak	0.83	% v/v	16	fl oz/a	LPOST	

LSD (P=.05)	1064.6
Standard Deviation	737.3
CV	10.94
Grand Mean	6741.27
Replicate F	0.635
Replicate Prob(F)	0.5975
Treatment F	39.899
Treatment Prob(F)	0.0001

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F7436-13/Broadhead Timing in Conventional Rice

Experiment number	**C11-39**
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	04/04/11
Harvest date	08/03/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	1-2LF	4-5LF
Date applied [mm/dd/yy]	04/05/11	04/27/11	05/09/11
Time [hh:mm-hh:mm]	9:05-9:10A	7:45-7:47A	11:10-11:20A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	48/60	81/73	83/77
Relative humidity [%]	60	86	63
Wind [mph, direction]	0-2,N	7-10,S	7-9,SE
Weather [sunny, etc]	sunny	cloudy	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	1-2lf/3-5"	4-5lf/3-5"
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	15/23
Applied by	EPW	EPW	EPW

Weed Species (population)	(height/#leaves)	
BRAPP(100-120m^{-2})	¼-1"/1-3lf	1-3"/1-4lf
ECHCG(30-50m^{-2})	¼-½"/1-2lf	1-4"/2lf-1till
AESIN(5-10m^{-2})	½-1"/cot-2lf	1-5"/1-6
CYPES(5-10m^{-2})	1-3"/1-3lf	6-10"/5-10lf
ECLAL(3-5m^{-2})		¼-1"/cot-4lf
ALRPH(3-5m^{-2})		2-5"/5-10lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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F7436-13/Broadhead Timing in Conventional Rice

Trial ID: C11-39 Protocol ID: C11-39
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							10/5/11	23/5/11	7/6/11	20/6/11	10/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							13 DA 1-2LF	14 DA 4-5LF	29 DA 4-5LF	42 DA 4-5LF	13 DA 1-2LF	14 DA 4-5LF
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
1	Nontreated						0 b	0 b	0 c	0 c	0 b	0 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	94 b	93 b	97 a	97 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE		95 a	96 ab	96 a		97 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	97 a	97 a	98 a	98 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	1-2 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE		94 a	97 a	97 a		97 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							0.8	2.8	2.4	2.8	1.5	1.3
Standard Deviation							0.4	1.8	1.6	1.8	0.9	0.8
CV							0.68	2.4	2.03	2.41	1.33	1.05
Grand Mean							65.17	75.8	76.65	76.25	65.08	77.95
Replicate F							0.571	0.685	1.670	0.926	1.000	6.000
Replicate Prob(F)							0.6542	0.5781	0.2260	0.4580	0.4547	0.0097
Treatment F							65520.436	2172.446	3031.268	2161.931	16944.113	11252.853
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	SEBEX	SEBEX	SEBEX	AESIN
Rating Date							7/6/11	20/6/11	10/5/11	23/5/11	7/6/11	10/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							29 DA 4-5LF	42 DA 4-5LF	13 DA 1-2LF	14 DA 4-5LF	29 DA 4-5LF	13 DA 1-2LF
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Nontreated						0 c	0 b	0 b	0 b	0 c	0 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 b	97 a	97 a	98 a	94 b	97 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 ab	97 a		98 a	96 ab	
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 ab	98 a	98 a	98 a	97 a	98 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	1-2 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a		98 a	97 a	
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							1.8	1.5	1.5	0.0	2.7	1.7
Standard Deviation							1.2	1.0	0.9	0.0	1.8	1.0
CV							1.55	1.24	1.33	0.0	2.29	1.54
Grand Mean							76.9	78.0	65.08	78.4	76.5	64.83
Replicate F							1.263	1.133	1.000	0.000	0.715	1.000
Replicate Prob(F)							0.3309	0.3750	0.4547	1.0000	0.5615	0.4547
Treatment F							5189.352	8076.505	16944.113	0.000	2380.610	12612.334
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	ALRPH	ALRPH	ECLAL
Rating Date							23/5/11	7/6/11	20/6/11	7/6/11	20/6/11	10/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							14 DA 4-5LF	29 DA 4-5LF	42 DA 4-5LF	29 DA 4-5LF	42 DA 4-5LF	13 DA 1-2LF
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Nontreated						0 b	0 c	0 b	0 b	0 b	0 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 b	98 a	20 a	33 a	97 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 ab	97 a	26 a	34 a	
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	95 a	30 a	44 a	98 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	1-2 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	95 a	35 a	41 a	
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							0.0	2.5	3.7	15.2	13.8	1.7
Standard Deviation							0.0	1.7	2.4	9.9	9.0	1.0
CV							0.0	2.15	3.1	44.28	29.68	1.54
Grand Mean							78.4	76.65	76.85	22.25	30.25	64.83
Replicate F							0.000	1.046	0.971	2.073	0.884	1.000
Replicate Prob(F)							1.0000	0.4077	0.4385	0.1574	0.4771	0.4547
Treatment F							0.000	2697.551	1300.197	7.609	15.326	12612.334
Treatment Prob(F)							1.0000	0.0001	0.0001	0.0027	0.0001	0.0001

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Pest Code							ECLAL	ECLAL	ECLAL	RICE	RICE	RICE
Rating Date							23/5/11	7/6/11	20/6/11	10/5/11	23/5/11	7/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							14 DA 4-5LF	29 DA 4-5LF	42 DA 4-5LF	13 DA 1-2LF	14 DA 4-5LF	29 DA 4-5LF
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	22	23	24
1	Nontreated						0 b	0 c	0 b	0 a	0 b	0 a
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 a	94 b	92 a	0 a	0 b	0 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	96 ab	93 a		0 b	0 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	95 a	97 a	93 a	0 a	9 a	0 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	1-2 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	1-2 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 a	97 a	91 a		3 b	0 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							3.6	2.7	4.2	0.0	5.1	0.0
Standard Deviation							2.4	1.8	2.7	0.0	3.3	0.0
CV							3.2	2.29	3.66	0.0	146.28	0.0
Grand Mean							73.9	76.5	73.65	0.0	2.25	0.0
Replicate F							4.700	0.715	1.343	0.000	1.962	0.000
Replicate Prob(F)							0.0215	0.5615	0.3067	1.0000	0.1737	1.0000
Treatment F							1225.754	2380.610	931.092	0.000	5.308	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0107	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							20/6/11	3/8/11	3/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							42 DA 4-5LF	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	25	29	32
1	Nontreated						0 a	78 b	-202 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	91 a	7384 a
	F7436-13	0.75	lb ai/a	40	fl oz/a	1-2 Leaf			
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf			
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	91 a	5528 b
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf			
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	92 a	6972 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	1-2 Leaf			
	Command	0.3	lb ai/a	12.8	fl oz/a	1-2 Leaf			
	Agri-Dex	1	% v/v	19.2	fl oz/a	1-2 Leaf			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 a	6933 a
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf			
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf			
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf			
LSD (P=.05)							0.0	8.0	697.4
Standard Deviation							0.0	5.2	448.1
CV							0.0	5.82	8.42
Grand Mean							0.0	89.45	5322.82
Replicate F							0.000	1.496	4.302
Replicate Prob(F)							1.0000	0.2657	0.0308
Treatment F							0.000	6.473	199.792
Treatment Prob(F)							1.0000	0.0051	0.0001

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F7436-13/Broadhead Timing in Clearfield Rice

Experiment number	**C11-40**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/11/11
Harvest date	N/A
Crop/Variety	CL131
Emergence date	04/29/11
Uniform std. treatment	N/A

Application type	PRE	Emergence	4-5 LF
Date applied [mm/dd/yy]	04/11/11	04/29/11	05/16/11
Time [hh:mm-hh:mm]	4:15-4:20P	8:15-8:30A	10:05-10:15A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	83/80	77/70	71/69
Relative humidity [%]	60	65	42
Wind [mph, direction]	7-10,SW	5-10,SE	3-7,N
Weather [sunny, etc]	cloudy	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	2-3lf/3-5"	4-5lf/6-8"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/23	15/23	15/25
Applied by	JCF	EAB	EPW

Weed Species (population)	(height/#leaves)	
SEBEX(1m^{-2})	2-3"/2-3lf	2-4"/3-6lf
AESIN(2m^{-2})	2-3"/2-3lf	2-4"/3-5lf
ORYSA(300-400m^{-2})	2-3"/2-3lf	3-6"/3-6lf
ECHCG(300-400m^{-2})	1-2"/3-5lf	2-5"/3-5lf
ALRPH(2-5m^{-2})		5-10"/5-15lf
BRAPP(30-50m^{-2})		2-6"/3-5lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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F7436-13/Broadhead Timing in Clearfield Rice

Trial ID: C11-40 Protocol ID: C11-40
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5	6
Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG	ECHCG
Rating Date							25/5/11	7/6/11	21/6/11	25/5/11	7/6/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	36 DAT	9 DAT	22 DAT	36 DAT
Number of Decimals							0	0	0	0	0	0
1	Nontreated						0 c	0 c	0 d	0 b	0 b	0 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	96 a	92 a	95 a	98 a	92 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	96 a	93 a	94 a	98 a	96 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 b	93 b	81 c	93 a	98 a	89 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	94 a	97 a	89 ab	95 a	98 a	89 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 ab	97 a	91 ab	95 a	98 a	92 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	95 ab	85 bc	95 a	98 a	89 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							3.4	3.1	6.5	3.3	0.0	7.5
Standard Deviation							2.3	2.1	4.4	2.2	0.0	5.0
CV							2.89	2.51	5.8	2.74	0.0	6.44
Grand Mean							78.57	81.75	75.82	80.68	84.0	77.86
Replicate F							0.462	0.888	0.533	3.757	0.000	1.298
Replicate Prob(F)							0.7126	0.4661	0.6652	0.0296	1.0000	0.3056
Treatment F							931.846	1233.316	234.556	1038.598	0.000	188.347
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	SEBEX	SEBEX	SEBEX
Rating Date							25/5/11	7/6/11	21/6/11	25/5/11	7/6/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	36 DAT	9 DAT	22 DAT	36 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	7	8	9	10	11	12
1	Nontreated						0 b	0 b	0 b	0 c	0 b	0 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	95 a	83 b	98 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	88 ab	98 a	97 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	95 a	81 b	98 a	97 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	98 a	98 a	95 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	93 a	98 a	98 a	97 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	94 a	98 a	97 a	97 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							0.5	1.0	4.4	10.2	0.8	3.1
Standard Deviation							0.3	0.7	3.0	6.9	0.6	2.1
CV							0.41	0.81	3.66	8.8	0.68	2.5
Grand Mean							83.89	83.79	81.61	77.93	83.89	82.75
Replicate F							0.300	0.517	0.228	1.793	1.000	0.475
Replicate Prob(F)							0.8250	0.6757	0.8756	0.1846	0.4155	0.7036
Treatment F							45982.204	11862.001	581.276	105.230	17031.224	1243.122
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	AESIN	AESIN	ALRPH	ALRPH	ALRPH
Rating Date							25/5/11	7/6/11	21/6/11	25/5/11	7/6/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%	%
Trt-Eval Interval							9 DAT	22 DAT	36 DAT	9 DAT	22 DAT	36 DAT
Number of Decimals							0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	13	14	15	16	17	18
1	Nontreated						0 b	0 b	0 b	0 b	0 c	0 c
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 a	91 a	88 a	84 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	94 a	90 a	89 a	83 ab	79 ab
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	95 a	85 a	81 ab	70 b
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	90 a	93 a	75 b	69 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	96 a	93 a	90 a	80 ab	75 ab
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	95 a	91 a	81 ab	66 b
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE						
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE						
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf						
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf						
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf						
LSD (P=.05)							2.2	4.9	9.7	8.1	10.6	13.1
Standard Deviation							1.5	3.3	6.6	5.4	7.1	8.8
CV							1.81	4.04	8.19	7.04	10.23	13.92
Grand Mean							83.71	82.07	79.96	76.96	69.75	63.21
Replicate F							1.000	1.081	0.169	1.166	0.474	1.000
Replicate Prob(F)							0.4155	0.3822	0.9156	0.3503	0.7044	0.4155
Treatment F							2385.667	478.363	116.410	157.703	75.480	42.077
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							25/5/11	7/6/11	21/6/11	8/8/11
Rating Data Type							INJURY	INJURY	INJURY	AVG. HEIGHT
Rating Unit							%	%	%	cm
Trt-Eval Interval							9 DAT	22 DAT	36 DAT	HARVEST
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	19	20	21	24
1	Nontreated						0 a	0 a	0 a	54 b
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf				
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	100 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf				
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	99 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	F7436-13	0.75	lb ai/a	40	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	1 a	0 a	0 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf				
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf				
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	98 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Newpath	0.0625	lb ai/a	4	fl oz/a	4-5 Leaf				
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf				
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	0 a	0 a	97 a
	Newpath	0.094	lb ai/a	6	fl oz/a	EMERGENCE				
	Agri-Dex	1	% v/v	19.2	fl oz/a	EMERGENCE				
	Broadhead	0.39	lb ai/a	9	oz wt/a	4-5 Leaf				
	Command	0.3	lb ai/a	12.8	fl oz/a	4-5 Leaf				
	Agri-Dex	1	% v/v	19.2	fl oz/a	4-5 Leaf				
LSD (P=.05)							1.4	0.0	0.0	3.8
Standard Deviation							0.9	0.0	0.0	2.5
CV							529.15	0.0	0.0	2.78
Grand Mean							0.18	0.0	0.0	91.7
Replicate F							1.000	0.000	0.000	3.203
Replicate Prob(F)							0.4155	1.0000	1.0000	0.0481
Treatment F							1.000	0.000	0.000	170.981
Treatment Prob(F)							0.4552	1.0000	1.0000	0.0001

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Evaluation of Liquid Facet Tank Mixes

Experiment number..... : **C11-41**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 04/04/11
Harvest date..... : N/A
Crop/Variety ..... : CL 131
Emergence date..... : 04/19/11
Uniform std. treatment..... : N/A

Application type..... : EPOST
Date applied [mm/dd/yy] ..... : 05/02/11
Time [hh:mm-hh:mm]..... : 9:25-9:35A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 78/76
Relative humidity [%]..... : 85
Wind [mph, direction] ..... : 5-7,SE
Weather [sunny, etc] ..... : cloudy
Soil/Leaf surface moist..... : dry/dry
Crop stage/Height ..... : 3-5lf/3-5"
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 18/5/15
GPA/PSI ..... : 15/23
Applied by..... : EPW

Weed Species (population) ..... :- (height/#leaves) -
BRAPP(100-125m^{-2}) ..... : ½-3"/1-4lf
ECHCG(100-125m^{-2})…….. : ½-3"/1-4lf
AESIN(15-30m^{-2})..... : ½-3"/cot-5lf

Flush Dates ..... : 4/7/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/19/11

*AMFF – Air mix flat fan nozzles

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Evaluation of Liquid Facet Tank Mixes

Trial ID: C11-41 Protocol ID: C11-41
Location: RRS-Crowley, LA Study Director: Eric P. Webster

Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							5/25/11	6/6/11	6/20/11	5/25/11	6/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							23 DAEPOST	35 DAEPOST	49 DAEPOST	23 DAEPOST	35 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0 c	0 e	0 d	0 c	0 e
2	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	80 b	40 c	49 bc	86 b	43 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
3	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	83 ab	43 bc	46 bc	88 ab	49 c
	Prowl H2O	0.95	lb ai/a	32	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
4	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	84 ab	48 b	50 bc	88 ab	53 c
	Londax	0.0375	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
5	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	85 ab	46 b	51 b	89 ab	68 b
	Permit	0.047	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
6	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	94 a	76 a	79 a	97 a	84 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
7	Facet	0.375	lb ai/a	0.5	lb/a	EPOST	79 b	33 d	45 c	84 b	69 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
LSD (P=.05)							12.2	5.1	6.2	10.2	5.7
Standard Deviation							8.2	3.4	4.2	6.9	3.8
CV							11.45	8.44	9.19	9.05	7.37
Grand Mean							71.96	40.71	45.71	75.86	51.96
Replicate F							2.750	1.412	0.135	2.247	6.061
Replicate Prob(F)							0.0729	0.2719	0.9380	0.1177	0.0049
Treatment F							60.754	173.269	122.326	96.199	196.784
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	AESIN	AESIN	AESIN	RICE
Rating Date							6/20/11	5/25/11	6/6/11	6/20/11	5/25/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							49 DAEPOST	23 DAEPOST	35 DAEPOST	49 DAEPOST	23 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 d	0 e	0 d	0 b	0 a
2	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	56 c	82 d	85 bc	97 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
3	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	53 c	90 bc	88 ab	97 a	0 a
	Prowl H2O	0.95	lb ai/a	32	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
4	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	58 c	93 ab	84 c	97 a	0 a
	Londax	0.0375	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
5	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	68 b	98 a	90 a	98 a	0 a
	Permit	0.047	lb ai/a	1	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
6	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	86 a	98 a	90 a	97 a	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
7	Facet	0.375	lb ai/a	0.5	lb/a	EPOST	56 c	83 cd	84 c	96 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
LSD (P=.05)							7.9	7.2	3.6	2.9	0.0
Standard Deviation							5.3	4.8	2.4	1.9	0.0
CV							9.88	6.24	3.26	2.32	0.0
Grand Mean							53.75	77.61	74.29	83.29	0.0
Replicate F							7.384	2.426	0.407	0.688	0.000
Replicate Prob(F)							0.0020	0.0990	0.7500	0.5711	1.0000
Treatment F							98.493	207.092	738.153	1443.637	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	1.0000

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Pest Code							RICE	RICE
Rating Date							6/6/11	6/20/11
Rating Data Type							INJURY	INJURY
Rating Unit							%	%
Trt-Eval Interval							35 DAEPOST	49 DAEPOST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12
1	Nontreated						0 a	0 a
2	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
3	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	0 a	0 a
	Prowl H2O	0.95	lb ai/a	32	fl oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
4	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	0 a	0 a
	Londax	0.0375	lb ai/a	1	oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
5	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	0 a	0 a
	Permit	0.047	lb ai/a	1	oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
6	Facet L	0.375	lb ai/a	32	fl oz/a	EPOST	0 a	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
7	Facet	0.375	lb ai/a	0.5	lb/a	EPOST	0 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
LSD (P=.05)							0.0	0.0
Standard Deviation							0.0	0.0
CV							0.0	0.0
Grand Mean							0.0	0.0
Replicate F							0.000	0.000
Replicate Prob(F)							1.0000	1.0000
Treatment F							0.000	0.000
Treatment Prob(F)							1.0000	1.0000

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Evaluation of Prowl EC and Permit Plus with Newpath

Experiment number	**C11-44**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/11/11
Harvest date	08/08/11
Crop/Variety	CL 131
Emergence date	04/25/11
Uniform std. treatment	N/A

Application type	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	04/11/11	05/04/11	05/16/11
Time [hh:mm-hh:mm]	2:10-2:15P	8:30-8:45A	10:05-10:15A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	83/80	53/60	67/68
Relative humidity [%]	60	87	51
Wind [mph, direction]	7-10,SW	3-5,N	2-5,N
Weather [sunny, etc]	cloudy	sunny	sunny
Soil/Leaf surface moist	dry/N/A	wet/dry	dry/dry
Crop stage/Height	N/A	2-3lf/1-3"	5lf-1till/6-8"
Sprayer type/MPH	CO_2BkPk/3	CO_2BkPk/3	CO_2BkPk/3
Nozzle type/Size*	AMFF/110015	AMFF/110015	AMFF/110015
Boom ht/# Noz/Spacing	18/5/15	18/5/15	18/5/15
GPA/PSI	15/23	15/25	15/25
Applied by	JCF	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------		
ORYSA(30-50m^{-2})		2-4"/1-4lf	4-5"/4-5lf
ECHCG(20-30m^{-2})		1-3"/1-3lf	4-5"/4-5lf
BRAPP(15-30m^{-2})	½-2"/1-4lf	4-5"/4-5lf	
SEBEX(3-5m^{-2})		2-4"/2-4lf	3-5"/3-6lf
ALRPH(2-3m^{-2})		2-6"/10-30lf	3-10"/5-15lf
AESIN(3-5m^{-2})			5-6"/3-5lf

Flush Dates	4/13/11, 4/20/11, 5/11/11
Permanent Flood	5/26/11

*AMFF – Air mix flat fan nozzles

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Evaluation of Prowl EC and Permit Plus with Newpath

Trial ID: C11-44 Protocol ID: C11-44
Location: RRS-Crowley, LA Study Director:

Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							5/25/11	6/7/11	6/20/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							9 DALPOST	22 DALPOST`	35 DALPOST	9 DALPOST	22 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0 c	0 b	0 b	0 b	0 b
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	93 a	98 a	96 a	95 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	89 b	98 a	96 a	91 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	97 a	97 a	91 a	97 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	98 a	97 a	91 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 ab	98 a	96 a	94 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	98 a	96 a	95 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					

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Pest Code							ORYSA	ORYSA	ORYSA	ECHCG	ECHCG
Rating Date							5/25/11	6/7/11	6/20/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							9 DALPOST	22 DALPOST`	35 DALPOST	9 DALPOST	22 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 ab	98 a	95 a	93 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							4.3	0.8	1.9	4.7	1.1
Standard Deviation							2.9	0.5	1.3	3.2	0.8
CV							3.68	0.62	1.56	3.93	0.9
Grand Mean							79.63	85.66	83.88	81.34	85.56
Replicate F							2.314	1.000	1.750	0.231	0.636
Replicate Prob(F)							0.1053	0.4123	0.1876	0.8735	0.5999
Treatment F							481.809	17037.447	2680.542	423.740	8114.031
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ECHCG	BRAPP	BRAPP	BRAPP	SEBEX
Rating Date							6/20/11	5/25/11	6/7/11	6/20/11	5/25/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							35 DALPOST	9 DALPOST	22 DALPOST	35 DALPOST	`9 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 b	0 b	0 b	0 b	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	97 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	97 a	96 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	96 a	98 a	40 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	98 a	41 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	96 a	97 a	95 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							1.8	1.7	3.9	0.9	7.0
Standard Deviation							1.3	1.1	2.7	0.6	4.7
CV							1.47	1.33	3.13	0.71	6.69
Grand Mean							85.28	85.38	84.91	85.59	71.0
Replicate F							0.179	0.000	0.111	0.543	1.069
Replicate Prob(F)							0.9091	1.0000	0.9530	0.6583	0.3836
Treatment F							3031.405	3702.723	666.683	13123.973	262.875
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	AESIN
Rating Date							6/7/11	6/20/11	5/25/11	6/7/11	6/20/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							22 DALPOST	35 DALPOST	9 DALPOST	22 DALPOST	35 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 b	0 b	0 c	0 d	0 c
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	98 a	97 ab	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	4 b	94 b	86 b	83 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	5 b	5 b	94 b	81 c	79 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	97 a	97 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	98 a	94 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	96 a	98 a	98 a	98 a	98 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							8.0	7.0	4.0	4.4	4.5
Standard Deviation							5.5	4.8	2.7	3.0	3.1
CV							8.79	7.71	3.17	3.61	3.77
Grand Mean							62.16	61.75	84.66	82.19	81.41
Replicate F							0.311	0.930	1.528	2.017	1.632
Replicate Prob(F)							0.8173	0.4438	0.2367	0.1424	0.2120
Treatment F							318.294	419.279	649.795	522.132	486.420
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							ALRPH	ALRPH	ALRPH	RICE	RICE
Rating Date							5/25/11	6/7/11	6/20/11	5/25/11	6/7/11
Rating Data Type							CONTROL	CONTROL	CONTROL	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							9 DALPOST	22 DALPOST	35 DALPOST	9 DALPOST	22 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated						0 d	0 b	0 c	0 a	0 a
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE					
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	91 a	89 a	85 b	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	80 c	96 a	92 a	1 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	84 abc	93 a	90 ab	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	86 abc	93 a	91 ab	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Prowl	0.825	lb ai/a	2	pt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	88 abc	95 a	89 ab	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	81 bc	93 a	89 ab	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	90 ab	95 a	92 a	0 a	0 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST					
	Prowl	0.825	lb ai/a	2	pt/a	EPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Permit Plus	0.035	lb ai/a	0.75	oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							8.8	7.4	6.9	1.3	0.0
Standard Deviation							6.0	5.0	4.7	0.9	0.0
CV							7.93	6.12	5.98	565.69	0.0
Grand Mean							75.0	81.78	78.47	0.16	0.0
Replicate F							1.000	1.337	2.102	1.000	0.000
Replicate Prob(F)							0.4123	0.2891	0.1305	0.4123	1.0000
Treatment F							105.479	174.946	183.280	1.000	0.000
Treatment Prob(F)							0.0001	0.0001	0.0001	0.4586	1.0000

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Pest Code							RICE	RICE	RICE
Rating Date							6/20/11	8/8/11	8/8/11
Rating Data Type							INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	cm	LB/A
Trt-Eval Interval							35 DALPOST	HARVEST	HARVEST
Number of Decimals							0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	25	28
1	Nontreated						0 a	64 b	0 d
	Command	0.3	lb ai/a	12.8	fl oz/a	PRE			
2	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 a	5828 c
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Prowl	0.825	lb ai/a	2	pt/a	EPOST			
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
3	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	96 a	9668 a
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Prowl	0.825	lb ai/a	2	pt/a	LPOST			
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
4	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	97 a	6211 c
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Prowl	0.825	lb ai/a	2	pt/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
5	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 a	5728 c
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Prowl	0.825	lb ai/a	2	pt/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
6	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	94 a	8721 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
7	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	92 a	8153 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	0.0525	lb ai/a	1.12	oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
8	Command	0.3	lb ai/a	12.8	fl oz/a	PRE	0 a	95 a	8172 b
	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST			
	Prowl	0.825	lb ai/a	2	pt/a	EPOST			
	Permit Plus	0.035	lb ai/a	0.75	oz/a	EPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST			
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST			
	Permit Plus	0.035	lb ai/a	0.75	oz/a	LPOST			
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST			
LSD (P=.05)							0.0	6.1	728.9
Standard Deviation							0.0	4.1	495.6
CV							0.0	4.53	7.55
Grand Mean							0.0	91.09	6560.19
Replicate F							0.000	0.477	1.834
Replicate Prob(F)							1.0000	0.7016	0.1719
Treatment F							0.000	29.682	148.544
Treatment Prob(F)							1.0000	0.0001	0.0001

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OpTill Weed Control Programs in Clearfield Rice

Experiment number	**C11-45**
Location	RRS-Crowley, LA
Experimental design	RCB
Number of reps	4
Plot size	5'x17'
Row width/# per plot	7.5"/8
Soil type	Crowley silt loam (3% sand, 69% silt, 28% clay)
% OM	1.4
pH	6.4
CEC	19.1
Planting date	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	EPOST	LPOST
Date applied [mm/dd/yy]	04/27/11	05/09/11
Time [hh:mm-hh:mm]	8:00-8:20A	11:35-11:45A
Incorporation equip./Depth	N/A	N/A
Air/Soil temperature [F]	81/73	83/77
Relative humidity [%]	86	63
Wind [mph, direction]	7-10,S	5-9,SE
Weather [sunny, etc]	cloudy	sunny
Soil/Leaf surface moist	wet/dry	dry/dry
Crop stage/Height	1-2lf/3-5"	4-5lf/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	15/23
Applied by	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
ECHCG(150-200m^{-2})	½-2"/1-3lf	½-1"1-3lf
BRAPP(50-200m^{-2})	½-2"/1-3lf	¼-1"/1-3lf
CYPES(50-75m^{-2})	1-4"/3-6lf	2-3"/1-3lf
CYPIR(50-75m^{-2})	1-2"/3-6lf	2-3"/1-3lf
SEBEX(7-10m^{-2})	1-3"/cot-3lf	1-2"/1-3lf
AESIN(7-10m^{-2})	1-3"/cot-5lf	1-2"/1-3lf
ECLAL(4-8m^{-2})	¼-1"/cot-2lf	
ALRPH(3-5m^{-2})	2-4"/4-8lf	

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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OpTill Weed Control Programs in Clearfield Rice

Trial ID: C11-45 Protocol ID: C11-45
Location: RRS-Crowley, LA Study Director: Eric P. Webster/Jason A. Bond

Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date							10/5/11	23/5/11	7/6/11	21/6/11	10/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							13 DAEPOST	14 DALPOST	29 DALPOST	42 DALPOST	13 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Nontreated						0 d	0 c	0 c	0 c	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 c	96 b	94 b	95 a	95 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 abc	98 a	97 a	95 a	97 ab
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 bc	97 a	97 a	95 a	93 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	98 a	97 a	95 a	97 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 abc	98 a	97 a	95 a	96 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	98 a	98 a	95 a	97 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	96 abc	97 a	98 a	95 a	97 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	98 a	98 a	95 a	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	95 bc	97 a	96 ab	94 b	95 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							3.1	1.4	2.6	1.1	3.0
Standard Deviation							2.1	1.0	1.8	0.8	2.1
CV							2.47	1.12	2.04	0.93	2.41
Grand Mean							86.5	87.75	87.05	85.38	86.43

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Pest Code	ECHCG	ECHCG	ECHCG	ECHCG	BRAPP
Rating Date	10/5/11	23/5/11	7/6/11	21/6/11	10/5/11
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	13 DAEPOST	14 DALPOST	29 DALPOST	42 DALPOST	13 DAEPOST
Number of Decimals	0	0	0	0	0
Replicate F	2.534	0.310	1.616	1.000	3.400
Replicate Prob(F)	0.0780	0.8177	0.2088	0.4079	0.0320
Treatment F	813.649	3935.690	1187.937	5760.112	855.428
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	BRAPP	BRAPP	SEBEX	SEBEX
Rating Date							23/5/11	7/6/11	21/6/11	10/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							14 DALPOST	29 DALPOST	42 DALPOST	13 DAEPOST	14 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Nontreated						0 d	0 c	0 b	0 d	0 c
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	96 c	94 b	95 a	0 d	39 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	97 a	95 a	97 abc	98 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	97 a	95 a	95 bc	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	97 a	95 a	97 abc	98 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	97 a	95 a	97 abc	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	98 a	95 a	97 ab	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	98 a	95 a	97 abc	97 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	98 a	95 a	98 a	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	97 bc	96 ab	95 a	94 c	97 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							1.4	2.6	0.0	2.9	3.1
Standard Deviation							1.0	1.8	0.0	2.0	2.2
CV							1.14	2.04	0.0	2.62	2.63
Grand Mean							87.68	87.05	85.5	76.98	82.05
Replicate F							0.832	1.616	0.000	2.426	0.653
Replicate Prob(F)							0.4880	0.2088	1.0000	0.0873	0.5880
Treatment F							3830.311	1187.937	0.000	1616.204	1011.804
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	0.0001

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Pest Code							SEBEX	SEBEX	AESIN	AESIN	AESIN
Rating Date							7/6/11	21/6/11	10/5/11	23/5/11	7/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							29 DALPOST	42 DALPOST	13 DAEPOST	14 DALPOST	29 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Nontreated						0 d	0 d	0 d	0 c	0 e
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	23 c	10 c	0 d	44 b	40 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 ab	91 ab	90 ab	98 a	89 bc
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	92 b	88 b	73 c	93 a	88 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	95 a	96 a	98 a	97 ab
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	95 a	88 b	98 a	97 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	97 ab	95 a	94 ab	97 a	97 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	95 a	93 ab	97 a	97 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	95 a	94 ab	98 a	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	98 a	95 a	89 ab	97 a	98 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							5.9	5.1	8.0	5.9	8.6
Standard Deviation							4.1	3.5	5.5	4.1	5.9
CV							5.14	4.62	7.68	4.96	7.41
Grand Mean							79.15	75.88	71.53	81.93	80.08
Replicate F							1.563	1.678	0.500	1.423	2.203
Replicate Prob(F)							0.2212	0.1952	0.6852	0.2578	0.1108
Treatment F							317.063	457.859	194.077	269.103	125.545
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							AESIN	ALRPH	ALRPH	ALRPH	ALRPH
Rating Date							21/6/11	10/5/11	23/5/11	7/6/11	21/6/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DALPOST	13 DAEPOST	14 DALPOST	29 DALPOST	42 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Nontreated						0 d	0 c	0 e	0 d	0 e
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	10 c	35 b	39 d	20 c	10 de
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	90 a	74 a	44 cd	31 bc	13 cd
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	50 b	66 a	43 d	36 ab	13 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	78 a	56 abc	35 ab	23 abc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	66 a	46 bcd	36 ab	28 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	73 a	58 ab	31 bc	20 a-d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	75 a	48 a-d	34 abc	15 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	76 a	56 abc	48 a	25 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	95 a	69 a	60 a	40 ab	18 a-d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							6.9	11.5	13.3	14.1	12.2
Standard Deviation							4.8	7.9	9.2	9.7	8.4
CV							6.63	12.93	20.49	31.17	51.72
Grand Mean							72.0	61.13	44.88	31.13	16.25
Replicate F							1.976	0.570	3.301	0.449	5.037
Replicate Prob(F)							0.1414	0.6394	0.0353	0.7199	0.0067
Treatment F							253.854	39.180	14.272	7.147	3.716
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0038

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Pest Code							ECLAL	ECLAL	ECLAL	ECLAL	CYPES
Rating Date							10/5/11	23/5/11	7/6/11	21/6/11	10/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							13 DAEPOST	14 DALPOST	29 DALPOST	42 DALPOST	13 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	23	24	25
1	Nontreated						0 d	0 c	0 c	0 c	0 e
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	23 c	58 b	28 b	15 b	70 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 a	91 a	97 a	90 a	88 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	79 b	89 a	92 a	95 a	73 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 a	94 a	97 a	95 a	91 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	85 ab	93 a	97 a	95 a	71 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	91 a	89 a	97 a	95 a	90 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	89 ab	91 a	97 a	95 a	83 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	94 a	97 a	95 a	85 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	89 ab	95 a	97 a	95 a	74 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							11.7	6.9	7.2	5.6	11.8
Standard Deviation							8.0	4.8	5.0	3.9	8.1
CV							10.94	6.03	6.27	5.03	11.25
Grand Mean							73.5	79.2	79.5	77.0	72.38
Replicate F							0.998	1.150	0.212	1.000	7.252
Replicate Prob(F)							0.4087	0.3469	0.8871	0.4079	0.0010
Treatment F							69.518	156.654	200.600	361.778	42.950
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPES	CYPES	CYPES	CYPIR	CYPIR
Rating Date							23/5/11	7/6/11	21/6/11	10/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							14 DALPOST	29 DALPOST	42 DALPOST	13 DAEPOST	14 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30
1	Nontreated						0 c	0 d	0 b	0 c	0 d
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	93 b	95 c	95 a	85 b	94 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	98 a	95 a	95 ab	98 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	97 b	95 a	85 b	96 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	97 ab	98 a	95 a	96 a	98 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 ab	98 a	95 a	86 ab	95 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	93 b	97 ab	95 a	95 ab	95 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	94 ab	97 ab	95 a	91 ab	95 bc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	98 a	97 ab	95 a	95 ab	97 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	94 ab	98 a	95 a	85 b	94 c
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							4.6	1.2	0.0	10.2	3.1
Standard Deviation							3.1	0.9	0.0	7.0	2.1
CV							3.67	0.97	0.0	8.68	2.49
Grand Mean							85.68	87.53	85.5	81.03	86.15
Replicate F							3.570	4.448	0.000	2.105	3.283
Replicate Prob(F)							0.0270	0.0115	1.0000	0.1230	0.0360
Treatment F							367.813	5222.793	0.000	67.313	798.928
Treatment Prob(F)							0.0001	0.0001	1.0000	0.0001	0.0001

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Pest Code							CYPIR	RICE	RICE	RICE	RICE
Rating Date							21/6/11	10/5/11	23/5/11	7/6/11	21/6/11
Rating Data Type							CONTROL	INJURY	INJURY	INJURY	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							42 DALPOST	13 DAEPOST	14 DALPOST	29 DALPOST	42 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	31	32	33	34	35
1	Nontreated						0 b	0 c	0 e	0 e	0 a
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	15 b	8 cde	3 de	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	21 ab	15 abc	8 cd	0 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	21 ab	3 de	0 e	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	21 ab	19 ab	10 bc	0 a
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	20 ab	10 bcd	8 cd	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	23 ab	15 abc	15 b	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	95 a	20 ab	3 de	0 e	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	33 a	20 a	21 a	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	95 a	11 bc	6 cde	5 cde	0 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST					
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST					
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST					
LSD (P=.05)							0.0	13.6	9.0	6.2	0.0
Standard Deviation							0.0	9.3	6.2	4.3	0.0
CV							0.0	50.54	63.96	62.08	0.0
Grand Mean							85.5	18.5	9.75	6.88	0.0
Replicate F							0.000	0.629	3.964	2.779	0.000
Replicate Prob(F)							1.0000	0.6025	0.0183	0.0603	1.0000
Treatment F							0.000	3.286	5.243	10.921	0.000
Treatment Prob(F)							1.0000	0.0079	0.0004	0.0001	1.0000

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Pest Code							RICE	RICE
Rating Date							4/8/11	4/8/11
Rating Data Type							AVG HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	39	42
1	Nontreated						80 b	0 e
2	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	96 a	6979 d
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
3	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	99 a	8765 a
	Aim	0.0156	lb ai/a	1	fl oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
4	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	8320 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Aim	0.0156	lb ai/a	1	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
5	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	8397 abc
	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
6	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	8530 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
7	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	97 a	7579 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Newpath	0.0625	lb ai/a	4	fl oz/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
8	Newpath	0.0625	lb ai/a	4	fl oz/a	EPOST	98 a	8394 abc
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
9	OpTill	0.085	lb ai/a	2	oz wt/a	EPOST	95 a	7665 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	Clearpath	0.375	lb ai/a	0.5	lb/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
10	Clearpath	0.375	lb ai/a	0.5	lb/a	EPOST	97 a	7517 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	EPOST		
	OpTill	0.085	lb ai/a	2	oz wt/a	LPOST		
	Agri-Dex	1	% v/v	19.2	fl oz/a	LPOST		
LSD (P=.05)							6.9	1004.6
Standard Deviation							4.8	692.4
CV							4.98	9.6
Grand Mean							95.59	7214.5
Replicate F							2.174	2.746
Replicate Prob(F)							0.1142	0.0625
Treatment F							5.404	56.252
Treatment Prob(F)							0.0003	0.0001

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Sharpen Rate and Timing

Experiment number	**C11-46**
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	04/04/11
Harvest date	08/04/11
Crop/Variety	CL 131
Emergence date	04/19/11
Uniform std. treatment	N/A

Application type	PRE	EPOST	LPOST
Date applied [mm/dd/yy]	04/05/11	05/02/11	05/09/11
Time [hh:mm-hh:mm]	1:30-1:45P	9:00-9:45A	11:50-12:05A
Incorporation equip./Depth	N/A	N/A	N/A
Air/Soil temperature [F]	62/65	78/76	83/77
Relative humidity [%]	47	85	63
Wind [mph, direction]	1-7,NE	5-7,SE	5-9,SE
Weather [sunny, etc]	sunny	cloudy	sunny
Soil/Leaf surface moist	dry/N/A	dry/dry	dry/dry
Crop stage/Height	N/A	3-5lf/3-5"	4-5lf/3-5"
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	15/23	15/23
Applied by	EPW	EPW	EPW

Weed Species (population)	---------- (height/#leaves) ----------	
ECHCG(125-150m^{-2})	½-4"/1-4lf	3-5"/3-5lf
BRAPP(75-100m^{-2})	½-4"/1-4lf	3-5"/3-5lf
AESIN(20-25m^{-2})	½-3"/cot-4lf	1-5"/3-5lf

Flush Dates	4/7/11, 4/20/11, 5/11/11
Permanent Flood	5/19/11

*AMFF – Air mix flat fan nozzles

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Sharpen Rate and Timing

Trial ID: C11-46 Protocol ID: C11-46
Location: RRS-Crowley Study Director: Eric P. Webster/Jason A. Bond

Pest Code							ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date							11/5/11	23/5/11	7/6/11	11/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							9 DAEPOST	14 DALPOST	29 DALPOST	9 DAEPOST	14 DALPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	PRE	15 ef	15 fg	0 f	15 de	13 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST	85 a	73 b	41 c	86 a	84 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST	43 b	45 d	25 e	45 b	45 c
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
4	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	13 f	13 fg	0 f	13 e	15 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
5	Sharpen	0.0445	lb ai/a	2	fl oz/a	EPOST	95 a	94 a	89 a	95 a	94 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST	38 bc	60 c	33 d	30 c	40 c
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
7	Sharpen	0.067	lb ai/a	3	fl oz/a	PRE	15 ef	15 fg	0 f	15 de	13 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
8	Sharpen	0.067	lb ai/a	3	fl oz/a	EPOST	95 a	95 a	90 a	95 a	95 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
9	Sharpen	0.067	lb ai/a	3	fl oz/a	LPOST	48 b	88 a	65 b	48 b	94 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
10	Aim	0.0313	lb ai/a	2	fl oz/a	PRE	13 f	10 gh	3 f	13 e	10 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
11	Aim	0.0313	lb ai/a	2	fl oz/a	EPOST	30 cd	23 ef	0 f	33 c	15 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
12	Aim	0.0313	lb ai/a	2	fl oz/a	LPOST	15 ef	13 fg	0 f	15 de	13 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
13	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	25 de	33 e	23 e	25 cd	28 d
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
14	Nontreated						0 g	0 h	0 f	0 f	0 f
LSD (P=.05)							11.7	10.8	7.0	11.3	8.6
Standard Deviation							8.2	7.5	4.9	7.9	6.0
CV							21.81	18.38	18.62	20.99	15.14
Grand Mean							37.64	40.98	26.25	37.55	39.73

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Pest Code	ECHCG	ECHCG	ECHCG	BRAPP	BRAPP
Rating Date	11/5/11	23/5/11	7/6/11	11/5/11	23/5/11
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Trt-Eval Interval	9 DAEPOST	14 DALPOST	29 DALPOST	9 DAEPOST	14 DALPOST
Number of Decimals	0	0	0	0	0
Replicate F	1.384	2.084	0.423	1.497	2.709
Replicate Prob(F)	0.2619	0.1180	0.7373	0.2303	0.0583
Treatment F	60.836	82.733	186.023	66.870	143.758
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							BRAPP	AESIN	AESIN	AESIN	RICE
Rating Date							7/6/11	11/5/11	23/5/11	7/6/11	11/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							29 DALPOST	9 DAEPOST	14 DALPOST	29 DALPOST	9 DAEPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	PRE	0 e	15 e	18 de	63 b-e	0 f
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST	31 c	95 ab	94 a	71 b	58 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST	25 c	85 bc	89 ab	70 b	38 cd
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
4	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	5 de	23 e	20 d	54 de	0 f
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
5	Sharpen	0.0445	lb ai/a	2	fl oz/a	EPOST	89 a	98 a	94 a	86 a	86 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST	25 c	80 c	95 a	65 bcd	30 d
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
7	Sharpen	0.067	lb ai/a	3	fl oz/a	PRE	0 e	15 e	40 c	58 cde	0 f
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
8	Sharpen	0.067	lb ai/a	3	fl oz/a	EPOST	89 a	98 a	95 a	73 b	89 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
9	Sharpen	0.067	lb ai/a	3	fl oz/a	LPOST	64 b	85 bc	95 a	69 bc	40 c
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
10	Aim	0.0313	lb ai/a	2	fl oz/a	PRE	5 de	13 e	10 e	53 e	0 f
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	PRE					
	Preemergence					PRE					
11	Aim	0.0313	lb ai/a	2	fl oz/a	EPOST	0 e	94 ab	88 ab	61 b-e	8 f
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	EPOST					
	Early-postemergence					EPOST					
12	Aim	0.0313	lb ai/a	2	fl oz/a	LPOST	0 e	38 d	80 b	58 cde	6 f
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	LPOST					
	Late-postemergence					LPOST					
13	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	13 d	75 c	95 a	68 bc	19 e
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST					
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST					
14	Nontreated						0 e	0 f	0 f	0 f	0 f
LSD (P=.05)							11.3	10.8	8.8	11.8	9.0
Standard Deviation							7.9	7.5	6.2	8.3	6.3
CV							32.14	12.98	9.51	13.67	23.73
Grand Mean							24.64	58.04	65.09	60.45	26.61
Replicate F							0.816	2.194	1.410	1.122	0.791
Replicate Prob(F)							0.4928	0.1042	0.2544	0.3519	0.5063
Treatment F							67.436	102.536	150.218	22.265	100.791
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							23/5/11	7/6/11	4/8/11	4/8/11
Rating Data Type							INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	cm	LB/A
Trt-Eval Interval							14 DALPOST	29 DALPOST	HARVEST	HARVEST
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	16	19
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	PRE	0 d	0 c	70 fg	0 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE				
	Preemergence					PRE				
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	EPOST	15 c	1 c	79 cde	2182 c
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST				
	Early-postemergence					EPOST				
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST	3 d	0 c	82 bcd	1501 d
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST				
	Late-postemergence					LPOST				
4	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	0 d	0 c	73 def	0 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE				
	Preemergence					PRE				
5	Sharpen	0.0445	lb ai/a	2	fl oz/a	EPOST	31 b	49 a	90 ab	6302 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST				
	Early-postemergence					EPOST				
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	LPOST	5 d	0 c	69 fg	0 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST				
	Late-postemergence					LPOST				
7	Sharpen	0.067	lb ai/a	3	fl oz/a	PRE	0 d	0 c	70 fg	0 e
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	PRE				
	Preemergence					PRE				
8	Sharpen	0.067	lb ai/a	3	fl oz/a	EPOST	75 a	49 a	94 a	6467 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	EPOST				
	Early-postemergence					EPOST				
9	Sharpen	0.067	lb ai/a	3	fl oz/a	LPOST	9 cd	20 b	86 abc	4022 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST				
	Late-postemergence					LPOST				
10	Aim	0.0313	lb ai/a	2	fl oz/a	PRE	0 d	0 c	64 g	0 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	PRE				
	Preemergence					PRE				
11	Aim	0.0313	lb ai/a	2	fl oz/a	EPOST	0 d	0 c	72 efg	0 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	EPOST				
	Early-postemergence					EPOST				
12	Aim	0.0313	lb ai/a	2	fl oz/a	LPOST	0 d	0 c	68 fg	0 e
	Agri-Dex	1.0	% v/v	19.2	fl oz/a	LPOST				
	Late-postemergence					LPOST				
13	Sharpen	0.0445	lb ai/a	2	fl oz/a	PRE	3 d	0 c	73 ef	0 e
	Sharpen	0.0223	lb ai/a	1	fl oz/a	LPOST				
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	LPOST				
14	Nontreated						0 d	0 c	69 fg	0 e
LSD (P=.05)							9.0	4.4	8.8	675.8
Standard Deviation							6.3	3.1	6.1	472.9
CV							63.15	36.45	8.11	32.33
Grand Mean							10.0	8.48	75.58	1462.44
Replicate F							2.776	1.168	3.779	0.243
Replicate Prob(F)							0.0540	0.3344	0.0179	0.8656
Treatment F							42.747	133.513	9.008	102.910
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001

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Sharpen Plus Adjuvant Tank Mixtures

Experiment number..... : **C11-47**
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 ..... : 04/04/11
Harvest date..... : 08/04/11
Crop/Variety ..... : CL 131
Emergence date..... : 04/19/11
Uniform std. treatment..... : N/A

Application type..... : MPOST
Date applied [mm/dd/yy] ..... : 05/05/11
Time [hh:mm-hh:mm]..... : 8:35-8:45A
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 61/60
Relative humidity [%]..... : 72
Wind [mph, direction] ..... : 2-4,NE
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : wet/dry
Crop stage/Height ..... : 3-5lf/3-5"
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) --
AESIN(20-30m^{-2})..... : 1-4"/2-5lf
ECLAL(30-50m^{-2}) ..... : ½-1"/cot-6lf

Flush Dates ..... : 4/7/11, 4/20/11, 5/11/11
Permanent Flood..... : 5/19/11

*AMFF – Air mix flat fan nozzles

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Sharpen plus Adjuvant Tank Mixtures

Trial ID: C11-47 Protocol ID: C11-47
Location: RRS-Crowley, LA Study Director: Eric P. Webster/Jason A. Bond

Pest Code							SEBEX	SEBEX	SEBEX	AESIN	AESIN
Rating Date							11/5/11	23/5/11	7/6/11	11/5/11	23/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							6 DAMPOST	18 DAMPOST	33 DAMPOST	6 DAMPOST	18 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	5
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 a	95 b	98 a	98 a	95 b
	No surfactant										
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 b	95 b	97 ab	98 a	95 b
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 a	95 b	98 a	98 a	95 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 ab	95 b	97 ab	98 a	95 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
5	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 a	95 b	98 a	98 a	95 b
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	95 b	98 a	98 a	95 b
	No surfactant										
7	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	95 b	97 ab	98 a	95 b
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
8	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	95 b	97 ab	98 a	95 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	96 a	97 ab	98 a	96 a
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
10	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	95 b	96 b	98 a	95 b
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
11	Aim	0.0234	lb ai/a	1.5	fl oz/a	MPOST	98 a	95 b	97 ab	98 a	95 b
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Nontreated						0 c	0 c	0 c	0 b	0 c
LSD (P=.05)							0.6	0.6	1.7	0.0	0.6
Standard Deviation							0.4	0.4	1.2	0.0	0.4
CV							0.49	0.5	1.29	0.0	0.5
Grand Mean							89.75	87.15	89.25	89.83	87.15
Replicate F							1.692	1.000	1.375	0.000	1.000
Replicate Prob(F)							0.1877	0.4051	0.2675	1.0000	0.4051
Treatment F							16223.771	16068.476	2370.921	0.000	16068.476
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001

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Pest Code							AESIN	ALRPH	ALRPH	ALRPH	ECLAL
Rating Date							7/6/11	11/5/11	23/5/11	7/6/11	11/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit							%	%	%	%	%
Trt-Eval Interval							33 DAMPOST	6 DAMPOST	18 DAMPOST	33 DAMPOST	6 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	6	7	8	9	10
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 a	95 ab	60 bcd	41 b	95 ab
	No surfactant										
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 a	90 b	78 ab	59 a	95 ab
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 a	93 ab	63 a-d	60 a	93 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 a	94 ab	65 a-d	51 ab	92 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
5	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 a	93 ab	58 cd	49 ab	95 ab
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	92 ab	75 abc	50 ab	93 ab
	No surfactant										
7	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 a	95 ab	70 abc	61 a	96 ab
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
8	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 a	93 ab	78 ab	58 a	95 ab
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 a	94 ab	65 a-d	53 ab	95 ab
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
10	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	96 a	97 a	80 a	49 ab	98 a
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
11	Aim	0.0234	lb ai/a	1.5	fl oz/a	MPOST	97 a	92 ab	50 d	40 b	97 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Nontreated						0 b	0 c	0 e	0 c	0 c
LSD (P=.05)							2.0	7.7	19.8	14.2	5.1
Standard Deviation							1.4	5.4	13.7	9.8	3.5
CV							1.57	6.25	22.2	20.64	4.07
Grand Mean							88.98	85.56	61.67	47.5	86.92
Replicate F							0.439	1.126	1.453	1.879	0.195
Replicate Prob(F)							0.7265	0.3527	0.2453	0.1523	0.8990
Treatment F							1615.466	101.915	9.833	11.247	239.966
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							W Weed	W Weed	W Weed	W Weed	W Weed
Rating Date							ECLAL	ECLAL	CYPES	CYPES	CYPES
Rating Data Type							23/5/11	7/6/11	11/5/11	23/5/11	7/6/11
Rating Unit							CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Trt-Eval Interval							%	%	%	%	%
Number of Decimals							18 DAMPOST	33 DAMPOST	6 DAMPOST	18 DAMPOST	33 DAMPOST
Trt							0	0	0	0	0
No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	11	12	13	14	15
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	95 a	98 a	98 a	95 a	95 b
2	No surfactant										
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	95 a	97 a	95 abc	94 a	97 ab
3	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	95 a	97 a	95 abc	84 b	98 ab
4	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	95 a	97 a	97 ab	95 a	97 ab
5	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	95 a	98 a	95 abc	95 a	97 ab
6	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	95 a	98 a	94 abc	95 a	98 a
7	No surfactant										
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	95 a	97 a	97 a	95 a	97 ab
8	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	95 a	97 a	91 c	95 a	97 ab
9	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	96 a	97 a	97 ab	96 a	96 ab
10	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	95 a	96 a	96 ab	95 a	96 ab
11	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
	Aim	0.0234	lb ai/a	1.5	fl oz/a	MPOST	95 a	97 a	93 bc	93 ab	97 ab
12	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
LSD (P=.05)	Nontreated						24 b	0 b	0 d	0 c	0 c
Standard Deviation							19.8	1.8	4.4	9.5	3.1
CV							13.7	1.2	3.0	6.6	2.1
Grand Mean							15.41	1.38	3.49	7.65	2.41
							89.13	89.17	87.21	85.9	88.63
Replicate F											
Replicate Prob(F)							0.977	1.292	4.748	1.103	2.900
Treatment F							0.4153	0.2935	0.0073	0.3616	0.0495
Treatment Prob(F)							8.992	2096.406	327.734	68.703	682.721
							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							CYPIR	CYPIR	COMDI	COMDI	RICE
Rating Date							11/5/11	23/5/11	11/5/11	23/5/11	11/5/11
Rating Data Type							CONTROL	CONTROL	CONTROL	CONTROL	INJURY
Rating Unit							%	%	%	%	%
Trt-Eval Interval							6 DAMPOST	18 DAMPOST	6 DAMPOST	33 DAMPOST	6 DAMPOST
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	16	17	18	19	20
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	98 a	95 b	92 a	95 b	18 cde
	No surfactant										
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	96 b	95 b	92 a	95 b	14 cde
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 ab	95 b	93 a	95 b	18 cde
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
4	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 ab	95 b	94 a	95 b	16 cde
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
5	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	97 ab	95 b	93 a	95 b	10 ef
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 ab	95 b	97 a	95 b	10 ef
	No surfactant										
7	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	98 a	95 b	95 a	95 b	25 bc
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST					
8	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 ab	95 b	93 a	95 b	24 bcd
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
9	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 ab	96 a	97 a	96 a	34 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST					
10	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	97 ab	95 b	95 a	95 b	63 a
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST					
11	Aim	0.0234	lb ai/a	1.5	fl oz/a	MPOST	97 ab	95 b	96 a	95 b	11 def
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST					
12	Nontreated						0 c	0 c	0 b	0 c	0 f
LSD (P=.05)							2.1	0.6	5.8	0.6	13.5
Standard Deviation							1.5	0.4	4.0	0.4	9.3
CV							1.65	0.5	4.65	0.5	46.43
Grand Mean							88.83	87.15	86.29	87.15	20.1
Replicate F							0.234	1.000	2.481	1.000	1.696
Replicate Prob(F)							0.8720	0.4051	0.0782	0.4051	0.1870
Treatment F							1466.156	16068.476	183.879	16068.476	11.586
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE	RICE	RICE
Rating Date							23/5/11	7/6/11	4/8/11	4/8/11
Rating Data Type							INJURY	INJURY	AVG. HEIGHT	YIELD
Rating Unit							%	%	cm	LB
Trt-Eval Interval							18 DAMPOST	33 DAMPOST	HARVEST	HARVEST
Number of Decimals							0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	21	22	26	29
1	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	1 b	18 cd	98 bc	8177 b
	No surfactant									
2	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	1 b	6 de	101 ab	6634 cd
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST				
3	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	3 b	13 cde	96 c	6863 cd
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST				
4	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	1 b	20 bcd	98 bc	7977 b
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST				
5	Sharpen	0.0223	lb ai/a	1	fl oz/a	MPOST	1 b	14 cde	101 ab	5528 ef
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST				
6	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	1 b	15 cd	100 abc	7271 bc
	No surfactant									
7	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	5 b	19 bcd	100 ab	7310 bc
	Induce	0.25	% v/v	4.8	fl oz/a	MPOST				
8	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	5 b	26 abc	98 bc	9511 a
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST				
9	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	20 a	33 ab	103 a	5906 de
	Soy-Surf MSO	1	% v/v	19.2	fl oz/a	MPOST				
10	Sharpen	0.0445	lb ai/a	2	fl oz/a	MPOST	24 a	39 a	99 abc	7428 bc
	Dyne-A-Pak	1	% v/v	19.2	fl oz/a	MPOST				
11	Aim	0.0234	lb ai/a	1.5	fl oz/a	MPOST	0 b	10 de	100 abc	5903 de
	Agri-Dex	1	% v/v	19.2	fl oz/a	MPOST				
12	Nontreated						0 b	0 e	97 bc	4522 f
LSD (P=.05)							8.5	14.2	4.1	1071.8
Standard Deviation							5.9	9.8	2.9	742.3
CV							113.45	55.87	2.88	10.73
Grand Mean							5.21	17.6	99.24	6919.16
Replicate F							4.157	0.264	1.126	1.313
Replicate Prob(F)							0.0133	0.8509	0.3526	0.2867
Treatment F							7.318	4.869	1.670	13.053
Treatment Prob(F)							0.0001	0.0002	0.1248	0.0001

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League Variety Trial

Experiment number..... : **C11-54**
Location..... : RRS-Crowley, LA
Experimental design..... : RCB
  Number of reps ..... : 4
  Plot size..... : 5'x17'
  Row width/# per plot..... : 7.5"/8
Soil type..... : Crowley silt loam (3% sand, 69% silt, 28% clay)
  % OM ..... : 1.4
  pH..... : 6.4
  CEC..... : 19.1
Planting date ..... : 04/06/11
Harvest date..... : 08/15/11
Crop/Variety ..... : Numerous
Emergence date..... : Varied
Uniform std. treatment..... : N/A

Application type..... : PRE
Date applied [mm/dd/yy] ..... : 04/06/11
Time [hh:mm-hh:mm]..... : 1:45-2:15P
Incorporation equip./Depth..... : N/A
Air/Soil temperature [F] ..... : 74/64
Relative humidity [%]..... : 48
Wind [mph, direction] ..... : 5-7,S
Weather [sunny, etc] ..... : sunny
Soil/Leaf surface moist..... : dry/N/A
Crop stage/Height ..... : N/A
Sprayer type/MPH..... : CO_2BkPk/3
Nozzle type/Size* ..... : AMFF/110015
Boom ht/# Noz/Spacing ..... : 15/4/15
GPA/PSI ..... : 15/24
Applied by..... : EPW

Flush Dates ..... : 4/12/11, 5/10/11
Permanent Flood..... : 5/20/11

*AMFF – Air mix flat fan nozzles

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League Variety Trial

Trial ID: C11-54 Protocol ID: C11-54
Location: RRS-Crowley, LA Study Director:

Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/2/11	5/16/11	6/1/11	6/21/11	5/2/11
Rating Data Type							AVG. HEIGHT	AVG. HEIGHT	AVG. HEIGHT	AVG. HEIGHT	AVG STANDCT
Rating Unit							cm	cm	cm	cm	45 cm
Trt-Eval Interval							26 DAT	33 DAT	49 DAT	69 DAT	26 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	10	15	20	23
1	Caffey Nontreated						12 b-g	23 abc	65 a	89 a-f	18 a-f
2	Caffey Permit	0.047	lb ai/a	1	oz/a	PRE	12 d-h	21 b-f	66 a	91 a-d	15 c-j
3	Caffey League	0.3	lb ai/a	6.4	oz/a	PRE	10 i-l	22 abc	61 bcd	92 abc	15 e-j
4	Caffey League	0.6	lb ai/a	12.8	oz/a	PRE	6 p	17 i-n	52 h-k	93 ab	11 j
5	Jupiter Nontreated						10 hij	18 h-m	51 ijk	74 mn	21 ab
6	Jupiter Permit	0.047	lb ai/a	1	oz/a	PRE	9 j-m	17 i-n	47 lm	75 lmn	19 a-e
7	Jupiter League	0.3	lb ai/a	6.4	oz/a	PRE	8 m-p	15 nop	45 mno	75 lmn	20 a-d
8	Jupiter League	0.6	lb ai/a	12.8	oz/a	PRE	6 p	12 p	41 o	73 n	15 e-j
9	CL261 Nontreated						14 a	23 ab	65 a	87 d-g	22 a
10	CL261 Permit	0.047	lb ai/a	1	oz/a	PRE	13 a-d	22 a-e	62 abc	90 a-e	17 a-h
11	CL261 League	0.3	lb ai/a	6.4	oz/a	PRE	13 a-d	22 a-d	60 bcd	87 c-g	18 a-f
12	CL261 League	0.6	lb ai/a	12.8	oz/a	PRE	8 k-o	20 c-i	57 d-g	89 b-g	20 abc
13	Jazzman Nontreated						11 f-j	21 b-h	55 f-i	78 klm	15 e-j
14	Jazzman Permit	0.047	lb ai/a	1	oz/a	PRE	11 e-j	21 b-g	53 g-j	85 e-i	17 b-h
15	Jazzman League	0.3	lb ai/a	6.4	oz/a	PRE	8 l-o	18 g-l	54 ghi	85 e-j	12 hij
16	Jazzman League	0.6	lb ai/a	12.8	oz/a	PRE	7 nop	16 k-o	51 ijk	89 b-g	12 ij
17	Taggert Nontreated						14 ab	21 b-h	58 def	85 f-j	16 b-i
18	Taggert Permit	0.047	lb ai/a	1	oz/a	PRE	11 g-j	21 b-h	52 h-k	86 d-h	15 e-j
19	Taggert League	0.3	lb ai/a	6.4	oz/a	PRE	10 ijk	19 f-k	48 klm	81 h-k	13 g-j
20	Taggert League	0.6	lb ai/a	12.8	oz/a	PRE	7 op	15 l-o	43 no	85 f-j	12 hij
21	CL151 Nontreated						13 a-e	22 a-d	59 c-f	80 i-l	14 e-j
22	CL151 Permit	0.047	lb ai/a	1	oz/a	PRE	12 a-f	22 a-e	59 c-f	84 g-j	18 a-g
23	CL151 League	0.3	lb ai/a	6.4	oz/a	PRE	13 a-d	20 b-h	58 c-f	80 jkl	14 e-j

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Pest Code							RICE	RICE	RICE	RICE	RICE
Rating Date							5/2/11	5/16/11	6/1/11	6/21/11	5/2/11
Rating Data Type							AVG. HEIGHT	AVG. HEIGHT	AVG. HEIGHT	AVG. HEIGHT	AVG STANDCT
Rating Unit							cm	cm	cm	cm	45 cm
Trt-Eval Interval							26 DAT	33 DAT	49 DAT	69 DAT	26 DAT
Number of Decimals							0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	5	10	15	20	23
24	CL151 League	0.6	lb ai/a	12.8	oz/a	PRE	9 k-n	19 e-k	54 ghi	84 f-j	14 f-j
25	Cheniere Nontreated						12 c-h	19 f-k	52 h-k	78 k-n	17 b-h
26	Cheniere Permit	0.047	lb ai/a	1	oz/a	PRE	9 k-n	17 j-n	51 i-l	77 k-n	19 a-f
27	Cheniere League	0.3	lb ai/a	6.4	oz/a	PRE	8 k-o	15 mno	49 jkl	80 i-l	15 e-j
28	Cheniere League	0.6	lb ai/a	12.8	oz/a	PRE	6 p	14 op	45 mn	78 k-n	13 g-j
29	CL142 Nontreated						14 abc	22 a-d	63 ab	90 a-e	14 e-j
30	CL142 Permit	0.047	lb ai/a	1	oz/a	PRE	12 d-h	24 a	60 b-e	94 a	15 e-j
31	CL142 League	0.3	lb ai/a	6.4	oz/a	PRE	11 e-i	19 d-j	56 e-h	89 a-f	15 d-j
32	CL142 League	0.6	lb ai/a	12.8	oz/a	PRE	9 i-l	21 b-g	58 c-f	92 abc	15 e-j
LSD (P=.05)							1.7	2.8	4.0	5.2	5.1
Standard Deviation							1.2	2.0	2.9	3.7	3.6
CV							12.06	10.48	5.21	4.37	23.0
Grand Mean							10.2	19.28	54.71	84.24	15.8
Replicate F							5.715	3.158	3.899	8.948	2.327
Replicate Prob(F)							0.0012	0.0284	0.0113	0.0001	0.0797
Treatment F							15.346	8.430	21.085	10.968	2.452
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0005

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Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							5/16/11	5/2/11	5/16/11	6/1/11	8/15/11	8/19/11	
Rating Data Type							AVG STANDCT	INJURY	INJURY	INJURY	Emergence	Vigor	50% heading
Rating Unit							45 cm	%	%	%	Day of	1=best	DAY of
Trt-Eval Interval							33 DAT	26 DAT	33 DAT	49 DAT	YEAR	19 DAP	YEAR
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30	31	32
1	Caffey Nontreated						16 c-h	0 k	0 o	0 i	105 hi	4 hi	193 e-h
2	Caffey Permit	0.047	lb ai/a	1	oz/a	PRE	13 e-j	13 ij	9 k-n	3 hi	106 e-i	5 efg	194 c-g
3	Caffey League	0.3	lb ai/a	6.4	oz/a	PRE	14 c-h	15 hi	18 f-j	14 def	108 cd	6 cd	193 d-h
4	Caffey League	0.6	lb ai/a	12.8	oz/a	PRE	10 j	58 ab	43 c	36 ab	113 a	7 ab	193 d-h
5	Jupiter Nontreated						20 a	0 k	0 o	0 i	107 d-g	5 def	194 c-g
6	Jupiter Permit	0.047	lb ai/a	1	oz/a	PRE	18 a-d	8 j	8 l-o	8 f-i	108 cd	5 def	194 c-f
7	Jupiter League	0.3	lb ai/a	6.4	oz/a	PRE	15 c-h	28 f	25 ef	18 d	109 bc	6 bc	193 d-h
8	Jupiter League	0.6	lb ai/a	12.8	oz/a	PRE	14 e-i	53 bc	53 a	35 ab	113 a	7 a	194 b-e
9	CL261 Nontreated						20 a	0 k	0 o	0 i	105 i	3 j	190 lm
10	CL261 Permit	0.047	lb ai/a	1	oz/a	PRE	18 a-d	8 j	0 o	0 i	105 hi	4 i	191 j-m
11	CL261 League	0.3	lb ai/a	6.4	oz/a	PRE	18 abc	13 ij	11 j-m	0 i	107 d-i	4 ghi	190 klm
12	CL261 League	0.6	lb ai/a	12.8	oz/a	PRE	16 a-f	26 fg	20 e-i	8 f-i	108 cd	5 de	191 i-m
13	Jazzman Nontreated						14 d-i	0 k	0 o	0 i	107 d-i	5 de	194 c-f
14	Jazzman Permit	0.047	lb ai/a	1	oz/a	PRE	16 b-g	11 ij	11 j-m	5 ghi	107 def	6 cd	194 c-f
15	Jazzman League	0.3	lb ai/a	6.4	oz/a	PRE	14 c-i	26 fg	23 e-h	16 de	110 b	6 b	196 abc
16	Jazzman League	0.6	lb ai/a	12.8	oz/a	PRE	12 hij	60 a	34 d	30 bc	114 a	7 a	195 a-d
17	Taggert Nontreated						14 c-i	0 k	0 o	0 i	105 hi	4 i	194 b-e
18	Taggert Permit	0.047	lb ai/a	1	oz/a	PRE	17 a-f	10 ij	8 l-o	5 ghi	107 d-i	4 ghi	196 ab
19	Taggert League	0.3	lb ai/a	6.4	oz/a	PRE	14 c-i	20 gh	18 f-j	9 e-h	108 cd	6 bc	196 a
20	Taggert League	0.6	lb ai/a	12.8	oz/a	PRE	10 ij	55 abc	44 bc	41 a	113 a	7 a	196 ab
21	CL151 Nontreated						17 a-e	0 k	0 o	0 i	106 ghi	3 j	190 m
22	CL151 Permit	0.047	lb ai/a	1	oz/a	PRE	17 a-f	10 ij	10 j-n	3 hi	106 f-i	4 ghi	190 m
23	CL151 League	0.3	lb ai/a	6.4	oz/a	PRE	16 b-g	20 gh	16 g-k	3 hi	107 def	5 fgh	191 j-m
24	CL151 League	0.6	lb ai/a	12.8	oz/a	PRE	17 a-e	41 d	21 e-h	13 d-g	110 b	5 de	193 d-h
25	Cheniere Nontreated						20 ab	0 k	3 no	0 i	107 d-h	5 fgh	192 h-m

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Pest Code							RICE	RICE	RICE	RICE	RICE	RICE	RICE
Rating Date							5/16/11	5/2/11	5/16/11	6/1/11	8/15/11	8/19/11	
Rating Data Type							AVG STANDCT	INJURY	INJURY	INJURY	Emergence	Vigor	50% heading
Rating Unit							45 cm	%	%	%	Day of	1=best	DAY of
Trt-Eval Interval							33 DAT	26 DAT	33 DAT	49 DAT	YEAR	19 DAP	YEAR
Number of Decimals							0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	26	27	28	29	30	31	32
26	Cheniere Permit	0.047	lb ai/a	1	oz/a	PRE	17 a-f	9 ij	13 i-m	4 hi	108 de	5 def	193 e-i
27	Cheniere League	0.3	lb ai/a	6.4	oz/a	PRE	17 a-f	30 ef	24 efg	16 de	110 b	6 b	193 e-h
28	Cheniere League	0.6	lb ai/a	12.8	oz/a	PRE	16 a-f	49 c	51 ab	38 ab	113 a	7 a	194 c-g
29	CL142 Nontreated						13 f-j	0 k	0 o	0 i	106 ghi	4 i	192 h-l
30	CL142 Permit	0.047	lb ai/a	1	oz/a	PRE	15 c-h	10 ij	5 mno	8 f-i	106 ghi	4 hi	192 g-k
31	CL142 League	0.3	lb ai/a	6.4	oz/a	PRE	12 g-j	15 hi	15 h-l	14 def	108 de	5 de	192 f-j
32	CL142 League	0.6	lb ai/a	12.8	oz/a	PRE	13 f-j	35 de	28 de	26 c	110 b	6 bc	193 e-i
LSD (P=.05)							4.0	6.4	8.6	8.1	1.5	0.7	2.0
Standard Deviation							2.8	4.6	6.1	5.8	1.1	0.5	1.4
CV							18.54	23.7	38.7	53.38	1.02	9.77	0.72
Grand Mean							15.36	19.38	15.82	10.9	108.05	5.12	192.9
Replicate F							0.295	4.372	2.061	2.422	2.067	2.033	0.218
Replicate Prob(F)							0.8287	0.0063	0.1107	0.0709	0.1100	0.1146	0.8836
Treatment F							3.214	68.481	25.355	19.564	22.867	21.505	7.085
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code							RICE	RICE
Rating Date							8/15/11	8/15/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36	39
1	Caffey Nontreated						96 i-l	7111 a
2	Caffey Permit	0.047	lb ai/a	1	oz/a	PRE	96 jkl	6953 ab
3	Caffey League	0.3	lb ai/a	6.4	oz/a	PRE	98 e-k	7349 a
4	Caffey League	0.6	lb ai/a	12.8	oz/a	PRE	99 e-k	7080 a
5	Jupiter Nontreated						90 m	6126 e-h
6	Jupiter Permit	0.047	lb ai/a	1	oz/a	PRE	91 lm	7110 a
7	Jupiter League	0.3	lb ai/a	6.4	oz/a	PRE	95 kl	6978 ab
8	Jupiter League	0.6	lb ai/a	12.8	oz/a	PRE	96 jkl	7063 a
9	CL261 Nontreated						102 ef	6010 fgh
10	CL261 Permit	0.047	lb ai/a	1	oz/a	PRE	103 e	5975 f-i
11	CL261 League	0.3	lb ai/a	6.4	oz/a	PRE	100 e-j	5786 f-i
12	CL261 League	0.6	lb ai/a	12.8	oz/a	PRE	100 e-j	5325 i
13	Jazzman Nontreated						97 g-k	5731 ghi
14	Jazzman Permit	0.047	lb ai/a	1	oz/a	PRE	97 f-k	5715 ghi
15	Jazzman League	0.3	lb ai/a	6.4	oz/a	PRE	99 e-k	5581 hi
16	Jazzman League	0.6	lb ai/a	12.8	oz/a	PRE	101 e-i	5735 f-i
17	Taggert Nontreated						112 cd	6908 abc
18	Taggert Permit	0.047	lb ai/a	1	oz/a	PRE	116 abc	7097 a
19	Taggert League	0.3	lb ai/a	6.4	oz/a	PRE	114 bcd	6776 a-e
20	Taggert League	0.6	lb ai/a	12.8	oz/a	PRE	118 ab	5967 f-i
21	CL151 Nontreated						100 e-j	7096 a
22	CL151 Permit	0.047	lb ai/a	1	oz/a	PRE	101 e-h	7325 a
23	CL151 League	0.3	lb ai/a	6.4	oz/a	PRE	101 efg	7139 a
24	CL151 League	0.6	lb ai/a	12.8	oz/a	PRE	109 d	7094 a
25	Cheniere Nontreated						100 e-j	6799 a-d

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Pest Code							RICE	RICE
Rating Date							8/15/11	8/15/11
Rating Data Type							AVG. HEIGHT	YIELD
Rating Unit							cm	LB/A
Trt-Eval Interval							HARVEST	HARVEST
Number of Decimals							0	0
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	36	39
26	Cheniere Permit	0.047	lb ai/a	1	oz/a	PRE	96 h-k	6397 b-f
27	Cheniere League	0.3	lb ai/a	6.4	oz/a	PRE	100 e-j	6895 abc
28	Cheniere League	0.6	lb ai/a	12.8	oz/a	PRE	99 e-k	6326 b-g
29	CL142 Nontreated						118 ab	6269 c-g
30	CL142 Permit	0.047	lb ai/a	1	oz/a	PRE	119 a	6017 fgh
31	CL142 League	0.3	lb ai/a	6.4	oz/a	PRE	117 ab	5700 ghi
32	CL142 League	0.6	lb ai/a	12.8	oz/a	PRE	117 abc	6193 d-h
LSD (P=.05)							4.8	662.1
Standard Deviation							3.4	472.9
CV							3.3	7.29
Grand Mean							102.96	6488.34
Replicate F							3.091	6.318
Replicate Prob(F)							0.0308	0.0006
Treatment F							25.750	6.763
Treatment Prob(F)							0.0001	0.0001

Appendix I

Abbreviations

ABBREVIATIONS USED IN RICE WEED CONTROL RESEARCH

A	**Acre**
AM	**Greenleaf Technologies AirMix nozzle**
AMFF	**Greenleaf Technologies AirMix Flatfan nozzle**
AVG	**Average**
CO_2BKPK	**CO_2-pressurized backpack sprayer**
Bleach	**Percent white rice plants**
cm or CM	**Centimeters**
COC	**Crop oil concentrate**
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 Chemicals

List of Herbicides

Trade Name	Formulation	Company	Common Name	Chemical Name
Aim	40 WG	FMC	carfentrazone	ethyl α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate
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 F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches	High F	Low F	Rain Inches
1	81	52	0	82	73	0	98	70	0	95	75	0.53	93	78	0
2	84	59	0.02	85	60	0.77	101	75	0	97	76	0	94	78	0
3	84	65	0	64	52	0.5	95	72	0	96	75	0.64	94	77	0
4	82	52	0.03	73	47	0	99	72	0	93	76	0	95	77	0
5	67	42	0	76	56	0	99	75	0.17	94	73	1.44	95	77	0
6	74	46	0	81	55	0	96	72	0.01	90	70	1.89	95	78	0
7	82	59	0	82	59	0	93	70	0	93	73	0.01	93	78	0
8	84	71	0	85	70	0	93	71	0	92	76	0.19	95	78	0
9	85	70	0	87	71	0	89	71	0.21	92	78	0	94	76	0
10	87	72	0	86	72	0.01	92	72	0	94	74	0	95	77	0
11	83	65	0	85	69	0	94	72	0	93	76	0	97	75	0
12	79	52	0	86	72	0.15	93	73	0	93	77	0	95	78	0.14
13	81	53	0	87	69	0	94	72	0	93	77	0	94	76	0
14	83	62	0	77	55	0	93	72	0	90	77	0	94	73	0.56
15	82	61	0.13	78	53	0	91	74	0	86	75	0.26	96	72	0.01
16	77	52	0	77	58	0	93	75	0	85	77	0.29			
17	77	50	0	76	50	0	93	77	0	89	74	0			
18	85	64	0	80	57	0	92	78	0	90	76	0.83			
19	87	71	0	84	65	0	93	76	0	87	75	0.06			
20	87	72	0	88	76	0	90	77	0.16	91	75	0			
21	87	72	0	88	75	0	87	78	0.25	91	77	0.74			
22	85	70	0	88	75	0	85	74	1.47	91	76	0			
23	86	66	0	87	74	0	85	73	0.02	90	75	0.6			
24	86	70	0	88	75	0	87	73	0	89	76	0.13			
25	84	73	0	87	75	0	91	74	0.02	87	75	0.27			
26	81	66	3.19	92	73	0.02	91	76	0	80	73	0.55			
27	89	65	0	90	65	0	92	75	0.03	84	73	0.59			
28	74	55	0	89	73	0	94	75	0	88	74	0			
29	78	52	0	89	71	0	94	75	0	88	76	0.01			
30	77	62	0	90	74	0	95	74	0	94	75	0.27			
31				92	74	0				95	76	0.02			