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Rice Weed and Pest Management Project

2008 Annual Research Report

MAFES

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RICE WEED AND PEST MANAGEMENT PROJECT
2008 ANNUAL RESEARCH REPORT

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Table of Contents

Rice Weed Management Research (continued)

Rice Disease Management Research

Rice Disease Management Research (continued)

Insect Management Research

Appendices

Introduction

This report summarizes the 2008 rice weed and pest management experiments conducted through the Mississippi Agriculture and Forestry Experiment Station. This information is prepared for the use of 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 pesticide treatments used in these trials may not be labeled for use, or may not be recommended by Mississippi State University. Always refer to each herbicide label, Mississippi's Weed Control Guidelines (Publication 1532), and Mississippi's Rice Growers Guide (Publication 2255) 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 Appendices.

Trade names were used throughout this report for clarity. Where trade names were unavailable, the pesticides are listed by experimental number. Application rates are expressed as units of active ingredient (ai), acid equivalent (ae), or product amount.

Rice weed management experiments were conducted at the Delta Research and Extension Center in Stoneville and in on-farm experiments at two sites in Washington County. Rice disease and insect management experiments were conducted at the Delta Research and Extension Center and in on-farm experiments in Washington and Bolivar counties.

We express our sincere appreciation to the following off-station cooperators for their assistance in conducting this research. Our efforts would not be successful without their support:

Harry, Randy, and John Howarth – Bolivar County
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Aceto Agricultural Chemical Corporation
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Gowan Company
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The support of the Rice Weed and Pest Management Project at the Delta Research and Extension Center by these organizations is greatly appreciated.

Methods for 2008 Rice Weed and Pest Management Experiments

Crop injury and herbicide efficacy were visually estimated on a scale of 0 to 100% where 0 indicates no crop injury or no weed control and 100 is equal to crop death or complete weed control.

Fungicide efficacy was visually estimated as percent incidence (0 to 100% scale where 0 indicates no incidence and 100 is equal to all plants infected) and severity (1 through nine scale with 1 indicating that only the lowest portion of the plants show disease symptoms and 9 indicating disease symptoms throughout the canopy and plants lodged).

Insecticide efficacy was objectively determined by counting rice water weevil larvae present in two soil cores collected randomly from the second and seventh row of each plot.

The ratings were tabulated and means computed for each weed species, disease, or insect having sufficient density and distribution in the experimental area. Rice yield was determined by harvesting the four center rows of each plot and adjusting weight of rice grain to 12% moisture content.

Data presented in this report are summarized and statistically analyzed with the Agriculture Research Manager software program (v. 7.5) by Gylling Data Management, Inc., Brookings, South Dakota.

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 08-HR-04
Location: DREC

Objectives:
Determine the rice response to Regiment applications made after the beginning of reproductive growth.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
5.	12-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY LOAM
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 08-HR-04
Location: DREC

Application Description

	A	B	C
Application Date:	10-Jul-08	17-Jul-08	25-Jul-08
Time of Day:	7:15 am	9:00 am	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	1" IE	2" IE	3" IE
Application Placement:	Foliar	Foliar	Foliar
Applied By:	LCV	LCV, JKM	JKM
Air Temperature, Unit:	78 F	84 F	80 F
% Relative Humidity:	80	80	83
Wind Velocity, Unit:	4 MPH	0 MPH	0 MPH
Wind Direction:	S		
Dew Presence (Y/N):	Y	N	Y
Soil Moisture:	Flood	Flood	Flood
% Cloud Cover:	0	0	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	1" IE	2" IE	3" IE
Stage Minimum, Percent:	1" IE	2" IE	3" IE
Stage Maximum, Percent:	1" IE	2" IE	3" IE
Height, Unit:	27 IN	34 IN	34 IN
Height Minimum, Maximum:	26 28	32 35	34 37

Application Equipment

	A	B	C
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	22 PSI	22 PSI	22 PSI
Nozzle Type:	TT	TT	TT
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	2.5 MPH	2.5 MPH	2.5 MPH

Date	By	Notes
24-Sep-08	JAB	Rep 1 was not harvested due to an unknown problem in that area of the site. Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 08-HR-04
Location: DREC

Rating Date							17-Jul-08	26-Jul-08	1-Aug-08	8-Aug-08	22-Aug-08		18-Sep-08
Rating Data Type							Injury	Injury	Injury	Injury	Injury	50% Head	Ldg Rate
Rating Unit							%	%	%	%	%	DAE	%
Days After First/Last Applic.							7 0	16 1	22 7	29 14	43 28		70 55
Trt-Eval Interval							7 DA-A	9 DA-B	7 DA-C	14 DA-C	28 DA-C		
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Appl Code	1	2	3	4	5	7	8
1	Nontreated						0 a	0 a	0 a	0 a	0 a	83 a	30 a
2	1-inch Internode elongation					A	0 a	0 a	0 a	0 a	0 a	83 a	27 a
	Regiment	80	WP	0.5	OZ PR/A	A							
	Dyne-A-Pak		L	28.8	FL OZ/A	A							
3	1-inch Internode elongation					A	0 a	0 a	0 a	0 a	0 a	83 a	30 a
	Regiment	80	WP	1.0	OZ PR/A	A							
	Dyne-A-Pak		L	28.8	FL OZ/A	A							
4	2-inch internode elongation					B		0 a	0 a	0 a	0 a	82 a	28 a
	Regiment	80	WP	0.5	OZ PR/A	B							
	Dyne-A-Pak		L	28.8	FL OZ/A	B							
5	2-inch internode elongation					B		0 a	0 a	0 a	0 a	82 a	8 a
	Regiment	80	WP	1.0	OZ PR/A	B							
	Dyne-A-Pak		L	28.8	FL OZ/A	B							
6	3-inch internode elongation					C			0 a	0 a	0 a	82 a	23 a
	Regiment	80	WP	0.5	OZ PR/A	C							
	Dyne-A-Pak		L	28.8	FL OZ/A	C							
7	3-inch internode elongation					C			0 a	0 a	0 a	82 a	53 a
	Regiment	80	WP	1.0	OZ PR/A	C							
	Dyne-A-Pak		L	28.8	FL OZ/A	C							
Standard Deviation							0.0	0.0	0.0	0.0	0.0	1.3	26.7
CV							0.0	0.0	0.0	0.0	0.0	1.53	93.53

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Rating Date							18-Sep-08	24-Sep-08
Rating Data Type							Ldg Type	Yield
Rating Unit							1-5	bu/A
Days After First/Last Applic.							70 55	76 61
Trt-Eval Interval								
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Appl Code	9	12
1	Nontreated						1 a	243 a
2	1-inch Internode elongation					A	2 a	233 a
	Regiment	80	WP	0.5	OZ PR/A	A		
	Dyne-A-Pak		L	28.8	FL OZ/A	A		
3	1-inch Internode elongation					A	2 a	228 a
	Regiment	80	WP	1.0	OZ PR/A	A		
	Dyne-A-Pak		L	28.8	FL OZ/A	A		
4	2-inch internode elongation					B	1 a	230 a
	Regiment	80	WP	0.5	OZ PR/A	B		
	Dyne-A-Pak		L	28.8	FL OZ/A	B		
5	2-inch internode elongation					B	0 a	237 a
	Regiment	80	WP	1.0	OZ PR/A	B		
	Dyne-A-Pak		L	28.8	FL OZ/A	B		
6	3-inch internode elongation					C	1 a	233 a
	Regiment	80	WP	0.5	OZ PR/A	C		
	Dyne-A-Pak		L	28.8	FL OZ/A	C		
7	3-inch internode elongation					C	2 a	238 a
	Regiment	80	WP	1.0	OZ PR/A	C		
	Dyne-A-Pak		L	28.8	FL OZ/A	C		
Standard Deviation							1.1	10.2
CV							91.35	4.35

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 08-HR-05
Location: DREC

Objectives:
Determine crop safety of six rice cultivars to postflood applications of Facet.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill Multiple
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
5.	12-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
7.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
8.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
9.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 08-HR-05
Location: DREC

Application Description

	A	B
Application Date:	3-Jul-08	17-Jul-08
Time of Day:	7:00 am	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	2 WAF	4 WAF
Application Placement:	Foliar	Foliar
Applied By:	JAB	LCV, JKM
Air Temperature, Unit:	76 F	74 F
% Relative Humidity:	78	80
Wind Velocity, Unit:	0 MPH	1.5 MPH
Wind Direction:		N
Dew Presence (Y/N):	Y	Y
Soil Moisture:	Flood	Flood
% Cloud Cover:	0	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	PD	1.5" IE
Height, Unit:	20 IN	31 IN
Height Minimum, Maximum:	18 22	30 32

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	22 PSI	22 PSI
Nozzle Type:	TT	TT
Nozzle Size:	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	2.5 MPH	2.5 MPH

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 08-HR-05
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17-Jul-08 Injury % 14 0 14 DA-A 1	26-Jul-08 Injury % 23 9 9 DA-B 2	1-Aug-08 Injury % 29 15 15 DA-B 3	14-Aug-08 Injury % 42 28 28 DA-B 4	50% Head DAE 6	24-Sep-08 Height cm 83 69 7	24-Sep-08 Ldg Rate % 83 69 8
1	Cocodrie Nontreated							0 a	0 a	0 a	0 a	83 h	109 efg	58 a-d
2	Cocodrie							0 a	0 a	0 a	0 a	86 fg	111 c-f	68 ab
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
3	Cocodrie								0 a	0 a	0 a	85 g	112 cde	33 b-f
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
4	Wells Nontreated							0 a	0 a	0 a	0 a	96 b	119 b	0 f
5	Wells							0 a	0 a	0 a	0 a	98 a	115 bcd	0 f
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
6	Wells								0 a	0 a	0 a	98 a	117 bc	0 f
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
7	XL723 Nontreated							0 a	0 a	0 a	0 a	81 ij	126 a	53 a-d
8	XL723							0 a	0 a	0 a	0 a	82 hi	125 a	49 a-e
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
9	XL723								0 a	0 a	0 a	81 j	130 a	18 def
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
10	CL161 Nontreated							0 a	0 a	0 a	0 a	92 d	114 b-e	70 ab
11	CL161							0 a	0 a	0 a	0 a	94 c	115 bcd	66 ab
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
12	CL161								0 a	0 a	0 a	93 c	114 b-e	65 abc
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
13	Cheniere Nontreated							0 a	0 a	0 a	0 a	87 fg	108 efg	81 a
14	Cheniere							0 a	0 a	0 a	0 a	89 e	104 g	31 b-f
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
15	Cheniere								0 a	0 a	0 a	87 f	106 fg	24 c-f
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
16	Bowman Nontreated							0 a	0 a	0 a	0 a	94 c	109 efg	20 def
17	Bowman							0 a	0 a	0 a	0 a	97 ab	109 efg	0 f
	Facet	75	DF	0.67	LB/A	2 WAF	A							
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A							
18	Bowman								0 a	0 a	0 a	96 b	110 def	10 ef
	Facet	75	DF	0.67	LB/A	4 WAF	B							
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B							
Standard Deviation								0.0	0.0	0.0	0.0	0.9	3.4	25.5
CV								0.0	0.0	0.0	0.0	0.98	3.02	71.23

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 08-HR-05
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	24-Sep-08 Ldg Type 1-5 9	24-Sep-08 Yield bu/A 12
	Rating Date							24-Sep-08	24-Sep-08
	Rating Data Type							Ldg Type	Yield
	Rating Unit							1-5	bu/A
	Days After First/Last Applic.							83 69	83 69
	Trt-Eval Interval								
1	Cocodrie							3 abc	217 b
	Nontreated								
2	Cocodrie							4 ab	181 e
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
3	Cocodrie							2 cde	187 de
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
4	Wells							0 f	212 bc
	Nontreated								
5	Wells							0 f	202 bcd
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
6	Wells							0 f	183 de
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
7	XL723							3 bcd	237 a
	Nontreated								
8	XL723							2 cde	251 a
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
9	XL723							1 ef	237 a
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
10	CL161							4 a	117 f
	Nontreated								
11	CL161							4 ab	89 g
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
12	CL161							4 ab	116 f
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
13	Cheniere							3 abc	203 bcd
	Nontreated								
14	Cheniere							1 def	192 cde
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
15	Cheniere							1 ef	181 e
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
16	Bowman							0 ef	176 e
	Nontreated								
17	Bowman							0 f	174 e
	Facet	75	DF	0.67	LB/A	2 WAF	A		
	Agri-Dex		L	19.2	FL OZ/A	2 WAF	A		
18	Bowman							0 ef	174 e
	Facet	75	DF	0.67	LB/A	4 WAF	B		
	Agri-Dex		L	19.2	FL OZ/A	4 WAF	B		
	Standard Deviation							1.0	13.0
	CV							60.91	7.04

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Command Applications on Flood Timing

Trial ID: 08-HR-06
Location: DREC - Walker

Objectives:
Determine impact of Command applications on days to flood in rice.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie, XL723 **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 24-Mar-08
Planting Method: Drill Multiple
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 59 F
Soil Moisture: Adequate **Emergence Date:** 14-Apr-08
Harvest Date: 28-Aug-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Fall Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	26-Mar-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	26-Mar-08	Permit	75	DF	0.67	OZ/A	Y
3.	1-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
4.	1-May-08	Facet	75	DF	0.5	LB/A	Y
5.	20-May-08	Regiment	80	WP	0.5	OZ/A	Y
6.	20-May-08	Grandstand	3	SL	12	FL OZ/A	Y
7.	20-May-08	Permit	75	DF	0.5	OZ/A	Y
8.	20-May-08	Dyne-A-Pak		L	1.25	% v/v	Y
9.	20-May-08	Karate Z	2.08	CS	2	FL OZ/A	N
10.	22-May-08	Urea (46:0:0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, Oct 2007

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	16-Apr-08	Flush
2.	23-May-08	Flood

Application Description

	A
Application Date:	25-Mar-08
Time of Day:	7:00 am
Application Method:	Broadcast
Application Timing:	PRE
Application Placement:	Soil
Applied By:	JAB, LCV
Air Temperature, Unit:	58 F
% Relative Humidity:	36
Wind Velocity, Unit:	3.5 MPH
Wind Direction:	S
Dew Presence (Y/N):	N
Soil Temperature, Unit:	59 F
Soil Moisture:	Adequate
% Cloud Cover:	0

Mississippi State University - DREC
Effect of Command Applications on Flood Timing

Trial ID: 08-HR-06
Location: DREC - Walker

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	40 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Mississippi State University - DREC
Effect of Command Applications on Flood Timing

Trial ID: 08-HR-06
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	30-Apr-08 Denstiy pl/sq m 36 36 36 DA-A	16-Apr-08 Injury % 22 22 22 DA-A	23-Apr-08 Injury % 29 29 29 DA-A	1-May-08 Injury % 37 37 37 DA-A	7-May-08 Injury % 43 43 43 DA-A	16-Apr-08 Height cm 22 22 22 DA-A	23-Apr-08 Height cm 29 29 29 DA-A
								1	2	3	4	5	6	7
1	Cocodrie							242 a	0 d	0 e	0 e	0 d	7 ab	8 ab
	Nontreated													
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
2	Cocodrie							230 a	0 d	0 e	0 e	0 d	8 a	9 ab
	Nontreated													
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
3	Cocodrie							202 a	1 d	3 e	2 e	1 cd	8 a	8 abc
	Command	3	ME	1	PT/A	PRE	A							
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
4	Cocodrie							228 a	1 d	2 e	1 e	0 d	7 ab	9 a
	Command	3	ME	1	PT/A	PRE	A							
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
5	Cocodrie							223 a	6 c	11 d	10 cd	7 b	8 a	8 abc
	Command	3	ME	1.6	PT/A	PRE	A							
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
6	Cocodrie							227 a	8 c	15 d	13 bc	9 ab	7 ab	8 abc
	Command	3	ME	1.6	PT/A	PRE	A							
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
7	XL723							79 b	0 d	0 e	0 e	0 d	6 c	7 bcd
	Nontreated													
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
8	XL723							67 b	0 d	0 e	0 e	0 d	6 bc	6 d
	Nontreated													
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
9	XL723							73 b	15 b	14 d	6 de	3 cd	5 c	7 d
	Command	3	ME	1	PT/A	PRE	A							
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
10	XL723							73 b	19 b	24 c	8 cd	4 c	5 c	7 d
	Command	3	ME	1	PT/A	PRE	A							
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
11	XL723							68 b	46 a	35 b	18 ab	12 a	6 c	6 d
	Command	3	ME	1.6	PT/A	PRE	A							
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B							
12	XL723							71 b	43 a	46 a	19 a	10 ab	6 c	7 cd
	Command	3	ME	1.6	PT/A	PRE	A							
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B							
Standard Deviation								27.4	2.9	4.8	3.9	2.1	0.8	1.0
CV								18.44	25.39	38.02	62.5	52.87	12.83	13.22

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Command Applications on Flood Timing

Trial ID: 08-HR-06
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	30-Apr-08 Height cm 36 36 36 DA-A 8	7-May-08 Height cm 43 43 43 DA-A 9	28-Aug-08 Yield bu/A 156 156 12
1	Cocodrie							10 ab	10 a	217 bcd
	Nontreated									
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
2	Cocodrie							10 abc	11 a	224 b
	Nontreated									
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
3	Cocodrie							8 bcd	10 a	206 cd
	Command	3	ME	1	PT/A	PRE	A			
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
4	Cocodrie							10 a	10 a	222 bc
	Command	3	ME	1	PT/A	PRE	A			
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
5	Cocodrie							9 abc	10 a	203 d
	Command	3	ME	1.6	PT/A	PRE	A			
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
6	Cocodrie							9 a-d	11 a	229 ab
	Command	3	ME	1.6	PT/A	PRE	A			
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
7	XL723							9 abc	11 a	226 b
	Nontreated									
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
8	XL723							8 d	11 a	230 ab
	Nontreated									
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
9	XL723							9 bcd	10 a	219 bcd
	Command	3	ME	1	PT/A	PRE	A			
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
10	XL723							9 bcd	12 a	230 ab
	Command	3	ME	1	PT/A	PRE	A			
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
11	XL723							8 cd	9 a	219 bcd
	Command	3	ME	1.6	PT/A	PRE	A			
	Ammonium sulfate	21	GR	0	LB/A	EPOST	B			
12	XL723							9 bcd	10 a	243 a
	Command	3	ME	1.6	PT/A	PRE	A			
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B			
Standard Deviation								0.9	0.9	10.5
CV								9.82	8.75	4.72

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-07
Location: DREC

Objectives:
Evaluate burndown herbicides targeting volunteer Roundup Ready soybean in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 23-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: W **Code:** GLYMA Glycine max
Common Name: Volunteer Roundup Ready Soybean

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH: 7.7** **Soil Name:** Sharkey
% Clay: 59 **CEC**: 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Preplant Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-07
Location: DREC

Application Description

	A
Application Date:	13-May-08
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	0 DPP
Application Placement:	Foliar
Applied By:	LCV, RCB
Air Temperature, Unit:	67 F
% Relative Humidity:	60
Wind Velocity, Unit:	4 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	78 F
Soil Moisture:	Dry
% Cloud Cover:	100

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	GLYMA W
Stage Majority, Percent:	VI
Stage Minimum, Percent:	VI
Stage Maximum, Percent:	VI
Height, Unit:	2.5 IN
Height Minimum, Maximum:	2 3
Density, Unit:	1.5 FT2

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	36 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
16-Apr-08	JAB	Spread Roundup Ready soybean seed (Pioneer 94B73)
13-May-08	JAB	Rainfall occurred 2 hours after application.

Mississippi State University - DREC
Preplant Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-07
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
Pest Type												W Weed
Pest Code												GLYMA
Rating Date								27-May-08	3-Jun-08	11-Jun-08	1-Jul-08	20-May-08
Rating Data Type								Injury	Injury	Injury	Injury	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								14 14	21 21	29 29	49 49	7 7
Trt-Eval Interval								14 DA-A	21 DA-A	29 DA-A	49 DA-A	7 DA-A
1	Nontreated							0 a	0 d	0 a	0 a	0 d
2	Weed-free Check							0 a	0 d	0 a	0 a	99 a
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A					
	Induce		L	4.8	FL OZ/A	0 DPP	A					
3	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A	0 a	0 d	0 a	0 a	99 a
	Induce		L	4.8	FL OZ/A	0 DPP	A					
4	Gramoxone Inteon	2	SL	1.88	PT/A	0 DPP	A	0 a	0 d	0 a	0 a	99 a
	Induce		L	4.8	FL OZ/A	0 DPP	A					
5	Ignite	2.34	SL	29	FL OZ/A	0 DPP	A	0 a	0 d	0 a	0 a	39 bc
6	Ignite	2.34	SL	15	FL OZ/A	0 DPP	A	0 a	0 d	0 a	0 a	35 bc
7	Harmony Extra 0.6 OZ/A							14 a	7 a	1 a	5 a	38 bc
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A					
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A					
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A					
8	Harmony Extra 0.3 OZ/A							3 a	3 bc	0 a	1 a	26 c
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A					
	Express (tribenuron)	50	SG	0.1	OZ/A	0 DPP	A					
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A					
9	Firstshot at 0.8 OZ/A					0 DPP	A	4 a	5 b	1 a	1 a	41 b
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A					
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A					
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A					
10	Firstshot at 0.4 OZ/A					0 DPP	A	36 a	1 cd	0 a	0 a	33 bc
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A					
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A					
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A					
Standard Deviation								15.9	1.5	1.1	2.0	8.1
CV								282.53	96.78	421.64	286.64	15.86

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-07
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	6	7	8	9	10	11
	Pest Type							W Weed	W Weed	W Weed	W Weed		
	Pest Code							GLYMA	GLYMA	GLYMA	GLYMA		
	Rating Date							27-May-08	3-Jun-08	11-Jun-08	1-Jul-08	18-Sep-08	18-Sep-08
	Rating Data Type							Control	Control	Control	Control	Ldg Rate	Ldg Type
	Rating Unit							%	%	%	%	%	1-5
	Days After First/Last Applic.							14 14	21 21	29 29	49 49	128 128	128 128
	Trt-Eval Interval							14 DA-A	21 DA-A	29 DA-A	49 DA-A	128 DA-A	
1	Nontreated							0 e	0 f	0 f	0 e	5 a	0 a
2	Weed-free Check							99 a	100 a	100 a	100 a	46 a	2 a
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A						
	Induce		L	4.8	FL OZ/A	0 DPP	A						
3	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A	99 a	100 a	100 a	100 a	31 a	1 a
	Induce		L	4.8	FL OZ/A	0 DPP	A						
4	Gramoxone Inteon	2	SL	1.88	PT/A	0 DPP	A	99 a	100 a	100 a	100 a	19 a	2 a
	Induce		L	4.8	FL OZ/A	0 DPP	A						
5	Ignite	2.34	SL	29	FL OZ/A	0 DPP	A	24 cd	26 e	13 e	0 e	6 a	1 a
6	Ignite	2.34	SL	15	FL OZ/A	0 DPP	A	18 de	19 e	8 ef	0 e	5 a	2 a
7	Harmony Extra 0.6 OZ/A							66 b	61 cd	65 c	64 c	3 a	0 a
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
8	Harmony Extra 0.3 OZ/A							58 b	53 d	49 d	53 d	19 a	1 a
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.1	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
9	Firstshot at 0.8 OZ/A					0 DPP	A	86 a	83 b	86 b	89 b	6 a	1 a
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
10	Firstshot at 0.4 OZ/A					0 DPP	A	39 c	70 c	74 c	83 b	24 a	1 a
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	Standard Deviation							12.6	6.6	7.5	6.7	24.6	1.4
	CV							21.54	10.86	12.59	11.47	150.3	131.04

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-07
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14
	Pest Type							
	Pest Code							
	Rating Date							23-Sep-08
	Rating Data Type							Yield
	Rating Unit							bu/A
	Days After First/Last Applic.							133 133
	Trt-Eval Interval							
1	Nontreated							193 a
2	Weed-free Check							238 a
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A	
	Induce		L	4.8	FL OZ/A	0 DPP	A	
3	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A	224 a
	Induce		L	4.8	FL OZ/A	0 DPP	A	
4	Gramoxone Inteon	2	SL	1.88	PT/A	0 DPP	A	221 a
	Induce		L	4.8	FL OZ/A	0 DPP	A	
5	Ignite	2.34	SL	29	FL OZ/A	0 DPP	A	223 a
6	Ignite	2.34	SL	15	FL OZ/A	0 DPP	A	221 a
7	Harmony Extra 0.6 OZ/A							217 a
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A	
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A	
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A	
8	Harmony Extra 0.3 OZ/A							217 a
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A	
	Express (tribenuron)	50	SG	0.1	OZ/A	0 DPP	A	
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A	
9	Firstshot at 0.8 OZ/A					0 DPP	A	233 a
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A	
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A	
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A	
10	Firstshot at 0.4 OZ/A					0 DPP	A	225 a
	Harmony GT XP (thifensulfuron)	50	DF	0.2	OZ/A	0 DPP	A	
	Express (tribenuron)	50	SG	0.2	OZ/A	0 DPP	A	
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A	
	Standard Deviation							16.9
	CV							7.63

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-08
Location: DREC

Objectives:
Evaluate herbicide programs targeting volunteer Roundup Ready soybean in rice.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 23-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

Pest 1 Type: W **Code:** GLYMA Glycine max
Common Name: Volunteer Roundup Ready soybean

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-08
Location: DREC

Application Description

	A	B
Application Date:	13-May-08	3-Jun-08
Time of Day:	7:30 am	6:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	0 DPP	MPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV, RCB	JAB, LCV
Air Temperature, Unit:	67 F	73 F
% Relative Humidity:	60	89
Wind Velocity, Unit:	4 MPH	3.5 MPH
Wind Direction:	SE	SW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	77 F	82 F
Soil Moisture:	Dry	Adequate
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		4 LF
Stage Minimum, Percent:		3 LF
Stage Maximum, Percent:		4 LF
Height, Unit:		4 IN
Height Minimum, Maximum:		3 4

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	GLYMA W	GLYMA W
Stage Majority, Percent:	V1	V4
Stage Minimum, Percent:	V1	V3
Stage Maximum, Percent:	V1	V4
Height, Unit:	3 IN	9 IN
Height Minimum, Maximum:	2 3	7 10
Density, Unit:	1.5 FT2	1.5 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	37 PSI	36 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
16-Apr-08	JAB	Spread Roundup Ready soybean seed (Pioneer 94B73)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-08
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												GLYMA	GLYMA	GLYMA
Rating Date								10-Jun-08	17-Jun-08	1-Jul-08	29-Jul-08	10-Jun-08	17-Jun-08	1-Jul-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								28 7	35 14	49 28	77 56	28 7	35 14	49 28
Trt-Eval Interval								7 DA-B	14 DA-B	28 DA-B	56 DA-B	7 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 a	0 a	0 c	0 a	0 f	0 i	0 e
2	Weed-free Check							0 a	0 a	0 c	0 a	100 a	100 a	100 a
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A							
	Induce		L	4.8	FL OZ/A	0 DPP	A							
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	1 a	1 a	0 c	0 a	84 b	88 cd	93 b
	Agri-Dex		L	32	FL OZ/A	E or MPOST	B							
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	0 a	0 a	0 c	0 a	73 c	68 fg	78 d
	Agri-Dex		L	32	FL OZ/A	E or MPOST	B							
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	71 c	95 abc	99 ab
	Dyne-A-Pak		L	19.2	FL OZ/A	E or MPOST	B							
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	56 d	85 d	99 ab
	Dyne-A-Pak		L	19.2	FL OZ/A	E or MPOST	B							
7	Grasp	2	SC	2	FL OZ/A	E or MPOST	B	0 a	2 a	11 a	0 a	74 c	92 bcd	96 ab
	Agri-Dex		L	48	FL OZ/A	E or MPOST	B							
8	Grasp	2	SC	1	FL OZ/A	E or MPOST	B	0 a	0 a	4 b	0 a	71 c	88 cd	94 b
	Agri-Dex		L	48	FL OZ/A	E or MPOST	B							
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	70 c	85 d	99 ab
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	46 e	73 ef	96 ab
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
11	Strada	50	WG	2.1	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	45 e	65 g	84 c
	Induce		L	4.8	FL OZ/A	E or MPOST	B							
12	Strada	50	WG	1.05	OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	41 e	56 h	81 cd
	Induce		L	4.8	FL OZ/A	E or MPOST	B							
13	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	78 bc	98 ab	99 ab
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
14	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	0 a	0 a	0 c	0 a	60 d	76 e	99 ab
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
Standard Deviation								0.7	0.9	0.8	0.0	6.0	4.5	3.7
CV								758.11	434.77	81.78	0.0	9.74	5.95	4.23

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready Soybean

Trial ID: 08-HR-08
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	13
	Pest Type							W Weed			
	Pest Code							GLYMA			
	Rating Date							29-Jul-08	18-Sep-08	18-Sep-08	23-Sep-08
	Rating Data Type							Injury	Ldg Rate	Ldg Type	Yield
	Rating Unit							%	%	1-5	bu/A
	Days After First/Last Applic.							77 56	128 107	128 107	133 112
	Trt-Eval Interval							56 DA-B			
1	Nontreated							0 d	25 a	2 a	216 e
2	Weed-free Check							100 a	61 a	3 a	237 abc
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A				
	Induce		L	4.8	FL OZ/A	0 DPP	A				
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	95 ab	46 a	3 a	237 abc
	Agri-Dex		L	32	FL OZ/A	E or MPOST	B				
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	79 c	28 a	2 a	238 ab
	Agri-Dex		L	32	FL OZ/A	E or MPOST	B				
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	100 a	23 a	2 a	224 cde
	Dyne-A-Pak		L	19.2	FL OZ/A	E or MPOST	B				
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	100 a	28 a	2 a	232 a-d
	Dyne-A-Pak		L	19.2	FL OZ/A	E or MPOST	B				
7	Grasp	2	SC	2	FL OZ/A	E or MPOST	B	100 a	10 a	1 a	226 b-e
	Agri-Dex		L	48	FL OZ/A	E or MPOST	B				
8	Grasp	2	SC	1	FL OZ/A	E or MPOST	B	100 a	10 a	1 a	238 ab
	Agri-Dex		L	48	FL OZ/A	E or MPOST	B				
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	100 a	15 a	1 a	245 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B				
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	100 a	44 a	2 a	233 a-d
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B				
11	Strada	50	WG	2.1	OZ/A	E or MPOST	B	95 ab	29 a	2 a	238 ab
	Induce		L	4.8	FL OZ/A	E or MPOST	B				
12	Strada	50	WG	1.05	OZ/A	E or MPOST	B	91 b	34 a	2 a	222 de
	Induce		L	4.8	FL OZ/A	E or MPOST	B				
13	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	100 a	34 a	1 a	223 cde
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B				
14	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	100 a	33 a	2 a	222 de
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B				
	Standard Deviation							3.8	22.5	1.2	8.6
	CV							4.23	75.37	62.16	3.71

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready-STS Soybean

Trial ID: 08-HR-09
Location: DREC

Objectives:
Evaluate herbicide programs targeting volunteer Roundup Ready-STS soybean in rice.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 23-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

Pest 1 Type: W **Code:** GLYMA Glycine max
Common Name: Volunteer Roundup Ready soybean

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH: 7.7** **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready-STS Soybean

Trial ID: 08-HR-09
Location: DREC

Application Description

	A	B
Application Date:	13-May-08	9-Jun-08
Time of Day:	8:00 am	5:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	0 DPP	MPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV, RCB	LCV
Air Temperature, Unit:	67 F	77 F
% Relative Humidity:	60	85
Wind Velocity, Unit:	4 MPH	0 MPH
Wind Direction:	E	
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	77 F	
Soil Moisture:	Dry	Adequate
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		4 LF
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		4 LF
Height, Unit:		8 IN
Height Minimum, Maximum:		7 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	GLYMA W	GLYMA W
Stage Majority, Percent:	V1	V6
Stage Minimum, Percent:	V1	V5
Stage Maximum, Percent:	V1	V7
Height, Unit:	2.5 IN	10 IN
Height Minimum, Maximum:	2 3	8 12
Density, Unit:	2 FT2	2 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
16-Apr-08	JAB	Spread Roundup Ready soybean seed (Pioneer 94B73)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready-STS Soybean

Trial ID: 08-HR-09
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
Pest Type											W Weed	W Weed	W Weed
Pest Code											GLYMA	GLYMA	GLYMA
Rating Date								16-Jun-08	23-Jun-08	7-Jul-08	16-Jun-08	23-Jun-08	7-Jul-08
Rating Data Type								Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								34 7	41 14	55 28	34 7	41 14	55 28
Trt-Eval Interval								7 DA-B	14 DA-B	28 DA-B	7 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 c	0 a	0 a	0 i	0 e	0 d
2	Weed-free Check							0 c	0 a	0 a	100 a	100 a	100 a
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A						
	Induce		L	4.8	FL OZ/A	0 DPP	A						
3	SuperWham	4	SC	3	QT/A	E or MPOST	B	4 ab	0 a	0 a	93 abc	96 a	96 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
4	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	0 c	0 a	0 a	81 cd	98 a	99 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
5	Aim	2	EC	1	FL OZ/A	E or MPOST	B	0 c	0 a	0 a	38 fg	40 c	20 c
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
6	Facet	75	DF	0.5	LB/A	E or MPOST	B	0 c	0 a	0 a	13 h	19 d	25 c
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
7	Bolero	8	EC	3	PT/A	E or MPOST	B	0 c	0 a	0 a	20 h	24 d	4 d
8	SuperWham	4	SC	3	QT/A	E or MPOST	B	3 bc	0 a	0 a	95 ab	99 a	99 a
	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
9	SuperWham	4	SC	3	QT/A	E or MPOST	B	3 bc	0 a	0 a	86 bcd	90 a	97 a
	Aim	2	EC	1	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
10	SuperWham	4	SC	3	QT/A	E or MPOST	B	1 bc	0 a	0 a	93 abc	91 a	99 a
	Facet	75	DF	0.5	LB/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
11	SuperWham	4	SC	3	QT/A	E or MPOST	B	6 a	0 a	0 a	91 abc	92 a	99 a
	Bolero	8	EC	3	PT/A	E or MPOST	B						
12	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	0 c	0 a	0 a	81 cd	96 a	99 a
	Aim	2	EC	1	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
13	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	0 c	0 a	0 a	78 d	99 a	97 a
	Facet	75	DF	0.5	LB/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
14	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	1 bc	0 a	0 a	94 ab	99 a	98 a
	Bolero	8	EC	3	PT/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
15	Aim	2	EC	1	FL OZ/A	E or MPOST	B	0 c	0 a	0 a	46 ef	48 bc	68 b
	Facet	75	DF	0.5	LB/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
16	Aim	2	EC	1	FL OZ/A	E or MPOST	B	1 bc	0 a	0 a	50 e	55 b	56 b
	Bolero	8	EC	3	PT/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
17	Facet	75	DF	0.5	LB/A	E or MPOST	B	0 c	0 a	0 a	34 g	44 c	86 a
	Bolero	8	EC	3	PT/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
Standard Deviation								1.7	0.0	0.0	7.2	6.3	8.7
CV								158.51	0.0	0.0	11.21	8.99	11.95

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In-Season Control of Volunteer Roundup Ready-STS Soybean

Trial ID: 08-HR-09
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	
	Pest Type								
	Pest Code								
	Rating Date							23-Sep-08	
	Rating Data Type							Yield	
	Rating Unit							bu/A	
	Days After First/Last Applic.							133	106
	Trt-Eval Interval								
1	Nontreated							210	de
2	Weed-free Check							216	b-e
	Gramoxone Inteon	2	SL	3.75	PT/A	0 DPP	A		
	Induce		L	4.8	FL OZ/A	0 DPP	A		
3	SuperWham	4	SC	3	QT/A	E or MPOST	B	233	a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
4	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	233	a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
5	Aim	2	EC	1	FL OZ/A	E or MPOST	B	227	abc
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
6	Facet	75	DF	0.5	LB/A	E or MPOST	B	224	a-d
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
7	Bolero	8	EC	3	PT/A	E or MPOST	B	213	cde
8	SuperWham	4	SC	3	QT/A	E or MPOST	B	225	a-d
	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
9	SuperWham	4	SC	3	QT/A	E or MPOST	B	222	a-d
	Aim	2	EC	1	FL OZ/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
10	SuperWham	4	SC	3	QT/A	E or MPOST	B	230	ab
	Facet	75	DF	0.5	LB/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
11	SuperWham	4	SC	3	QT/A	E or MPOST	B	235	a
	Bolero	8	EC	3	PT/A	E or MPOST	B		
12	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	228	abc
	Aim	2	EC	1	FL OZ/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
13	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	232	a
	Facet	75	DF	0.5	LB/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
14	Grandstand R	3	SL	12	FL OZ/A	E or MPOST	B	234	a
	Bolero	8	EC	3	PT/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
15	Aim	2	EC	1	FL OZ/A	E or MPOST	B	213	cde
	Facet	75	DF	0.5	LB/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
16	Aim	2	EC	1	FL OZ/A	E or MPOST	B	222	a-d
	Bolero	8	EC	3	PT/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
17	Facet	75	DF	0.5	LB/A	E or MPOST	B	205	e
	Bolero	8	EC	3	PT/A	E or MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B		
	Standard Deviation								9.1
	CV								4.08

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Volunteer Soybean Time of Removal 1

Trial ID: 08-HR-10
Location: DREC

Objectives:
Determine rice response to volunteer Roundup Ready soybean competition for different time intervals (Volunteer Roundup Ready soybean emerged at time of rice planting).

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Volunteer Soybean Time of Removal 1

Trial ID: 08-HR-10
Location: DREC

Rating Date	5-Jun-08		23-Sep-08	23-Sep-08	24-Sep-08
Rating Data Type	Height	50% Head	Ldg Rate	Ldg Type	Yield
Rating Unit	cm	DAE	%		bu/A
Trt No. Treatment Name	5	7	8	9	12
1 Weed-free Check	17 a	83 a	34 a	2 a	205 ab
2 1 Week after Planting	16 a	84 a	14 a	2 a	216 a
3 2 Weeks after Planting	16 a	83 a	14 a	1 a	216 a
4 3 Weeks after Planting	17 a	84 a	34 a	2 a	202 abc
5 4 Weeks after Planting	16 a	84 a	33 a	2 a	205 ab
6 5 Weeks after Planting	17 a	84 a	23 a	2 a	202 abc
7 6 Weeks after Planting	17 a	84 a	4 a	0 a	204 ab
8 7 Weeks after Planting	16 a	84 a	20 a	2 a	197 bc
9 8 Weeks after Planting	17 a	84 a	21 a	2 a	188 c
10 Full-season Check	16 a	85 a	30 a	2 a	204 ab
Standard Deviation	1.1	0.8	22.9	1.4	9.4
CV	6.7	0.91	101.63	87.28	4.63

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Volunteer Soybean Time of Removal 2

Trial ID: 08-HR-11
Location: DREC

Objectives:
Determine rice response to volunteer Roundup Ready soybean competition for different time intervals (Volunteer Roundup Ready soybean planted day of rice planting).

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Volunteer Soybean Time of Removal 2

Trial ID: 08-HR-11
Location: DREC

Rating Date	5-Jun-08		23-Sep-08	23-Sep-08	24-Sep-08
Rating Data Type	Height	50% Head	Ldg Rate	Ldg Type	Yield
Rating Unit	cm	DAE	%	1-5	bu/A
Trt No. Treatment Name	9	11	12	13	16
1 Weed-free Check	17 a	85 a	41 a	3 a	208 b
2 1 Week after Planting	20 a	84 a	33 a	2 a	208 b
3 2 Weeks after Planting	17 a	85 a	34 a	3 a	235 a
4 3 Weeks after Planting	18 a	85 a	23 a	2 a	205 b
5 4 Weeks after Planting	18 a	84 a	26 a	2 a	231 a
6 5 Weeks after Planting	17 a	85 a	51 a	4 a	204 b
7 6 Weeks after Planting	17 a	85 a	32 a	2 a	204 b
8 7 Weeks after Planting	18 a	85 a	3 a	1 a	209 b
9 8 Weeks after Planting	17 a	85 a	28 a	1 a	208 b
10 Full-season Check	18 a	86 a	29 a	2 a	223 ab
Standard Deviation	1.8	1.0	27.7	1.5	12.2
CV	10.3	1.17	92.89	71.99	5.7

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Volunteer Soybean Density 1

Trial ID: 08-HR-12
Location: DREC

Objectives:
Determine rice response to volunteer Roundup Ready soybean density (Volunteer Roundup Ready soybean emerged at time of rice planting).

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46:0:0)	46	GR	280	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Volunteer Soybean Density 1

Trial ID: 08-HR-12
Location: DREC

Rating Date Rating Data Type Rating Unit					5-Jun-08 Height cm	50% Head DAE	23-Sep-08 Ldg Rate %	23-Sep-08 Ldg Type 1-5	24-Sep-08 Yield bu/A
Entry No.	Entry Name	Germ. %	Other Rate	Other Rate Unit	9	11	12	13	16
1	0 Vollunteer soybean/sq. foot	80	0	PLANTS/PLOT	17 a	85 b	34 a	2 a	205 a
2	0.25 Vollunteer soybean/sq. foot	80	20	PLANTS/PLOT	18 a	85 b	46 a	3 a	205 a
3	0.5 Vollunteer soybean/sq. foot	80	40	PLANTS/PLOT	17 a	85 b	43 a	3 a	196 a
4	1 Vollunteer soybean/sq. foot	80	80	PLANTS/PLOT	18 a	85 b	15 a	2 a	195 a
5	1.5 Vollunteer soybean/sq. foot	80	120	PLANTS/PLOT	17 a	85 b	18 a	2 a	196 a
6	2 Vollunteer soybean/sq. foot	80	160	PLANTS/PLOT	18 a	85 b	0 a	0 a	200 a
7	4 Vollunteer soybean/sq. foot	80	320	PLANTS/PLOT	18 a	86 b	29 a	2 a	192 a
8	8 Vollunteer soybean/sq. foot	80	640	PLANTS/PLOT	16 a	87 a	5 a	1 a	147 b
Standard Deviation					1.2	0.7	22.6	1.3	15.0
CV					7.07	0.77	95.86	84.23	7.81

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Volunteer Soybean Density 2

Trial ID: 08-HR-13
Location: DREC

Objectives:
Determine rice response to volunteer Roundup Ready soybean density (Volunteer Roundup Ready soybean planted day of rice planting).

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 24-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	% v/v	Y
6.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Volunteer Soybean Density 2

Trial ID: 08-HR-13
Location: DREC

Rating Date Rating Data Type Rating Unit						50% Head DAE	23-Sep-08 Ldg Rate %	23-Sep-08 Ldg Type 1-5	24-Sep-08 YIeld bu/A
Entry No.	Entry Name	Germ. %	Other Rate	Other Rate Unit	4	7	8	9	12
1	0 Vollunteer soybean/sq. foot	80	0	PLANTS/PLOT		85 bc	31 a	3 ab	209 a
2	0.25 Vollunteer soybean/sq. foot	80	20	PLANTS/PLOT		85 c	34 a	3 abc	217 a
3	0.5 Vollunteer soybean/sq. foot	80	40	PLANTS/PLOT		85 c	33 a	2 abc	206 ab
4	1 Vollunteer soybean/sq. foot	80	80	PLANTS/PLOT		85 bc	45 a	3 ab	194 bc
5	1.5 Vollunteer soybean/sq. foot	80	120	PLANTS/PLOT		85 bc	30 a	2 abc	183 c
6	2 Vollunteer soybean/sq. foot	80	160	PLANTS/PLOT		86 bc	64 a	4 a	186 c
7	4 Vollunteer soybean/sq. foot	80	320	PLANTS/PLOT		86 ab	15 a	1 bc	193 bc
8	8 Vollunteer soybean/sq. foot	80	640	PLANTS/PLOT		87 a	0 a	0 c	164 d
Standard Deviation					.	0.6	28.5	1.5	8.3
CV					.	0.65	90.82	72.79	4.3

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 08-HR-15
Location: DREC

Objectives:
Determine crop safety of two Clearfield rice hybrids to applications of Beyond.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 21-Apr-08
Planting Method: Drill **Rate, Unit:** 35 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 71 F
Soil Moisture: Adequate
Harvest Date: 1-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Fall Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
2.	14-Apr-08	Permit	75	DF	0.67	OZ/A	Y
3.	22-Apr-08	Command	3	ME	1	PT/A	Y
4.	22-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
5.	6-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
6.	6-May-08	Facet	75	DF	0.5	LB/A	Y
7.	3-Jun-08	Regiment	80	WP	0.5	OZ/A	Y
8.	3-Jun-08	Dyne-A-Pak		L	1	% v/v	Y
9.	3-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
10.	3-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Soil Description

% Sand: 11 **Texture:** SILTY CLAY
% Silt: 30 **Soil Name:** Sharkey
% Clay: 59 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	4-Jun-08	Flood

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 08-HR-15
Location: DREC

Application Description

	A	B	C	D	E
Application Date:	5-May-08	19-May-08	14-Jun-08	27-Jun-08	11-Jul-08
Time of Day:	2:00 pm	7:30 am	6:00 am	6:30 am	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	LPOST	PI	PI+14	Boot
Application Placement:	Foliar	Foliar	Foliar	Foliar	Foliar
Applied By:	LCV	JAB	JAB	LCV	LCV, JKM
Air Temperature, Unit:	81 F	67 F	74 F	71 F	81 F
% Relative Humidity:	78	76	84	78	77
Wind Velocity, Unit:	3 MPH	0 MPH	0 MPH	0 MPH	3 MPH
Wind Direction:	S				
Dew Presence (Y/N):	N	Y	Y	Y	Y
Soil Moisture:	Adequate	Mud	Flood	Flood	Flood
% Cloud Cover:	0	0	100	0	0

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 LF	4 LF	PI	PI+14 d	Boot
Stage Minimum, Percent:	1 LF	3 LF	PI	PI+14 d	Boot
Stage Maximum, Percent:	2 LF	4 LF	PI	PI+14 d	Boot
Height, Unit:	3 IN	4 IN	17 IN	27 IN	33 IN
Height Minimum, Maximum:	2 3	4 5	15 18	24 29	31 35

Application Equipment

	A	B	C	D	E
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	36 PSI	30 PSI	22 PSI	22 PSI
Nozzle Type:	AI	AI	TT	TT	TT
Nozzle Size:	110015VS	110015VS	11001	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	2 MPH	2.5 MPH	2.5 MPH

Notes
SEEDING RATES: Variety - 80 lb/A; Hybrid - 35 lb/A

EMERGENCE DATES: Variety – 2-May-2008; Hybrid – 3-May-2008

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 08-HR-15
Location: DREC

Rating Date								27-Jun-08	11-Jul-08	25-Jul-08	8-Aug-08	1-Sep-08
Rating Data Type								Injury	Injury	Injury	Injury	Yield
Rating Unit								%	%	%	%	bu/A
Days After First/Last Applic.								53 0	67 0	81 14	95 28	119 52
Trt-Eval Interval								13 DA-C	14 DA-D	14 DA-E	28 DA-E	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	7
1	CL161							0 a	0 a	0 a	0 a	197 g
	Nontreated											
2	CL161							0 a	0 a	0 a	0 a	197 g
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
3	CL161								0 a	0 a	0 a	196 g
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					
4	CL161									0 a	0 a	191 g
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	Boot	E					
	Agri-Dex		L	19.2	FL OZ/A	Boot	E					
5	CL161							0 a	0 a	0 a	0 a	193 g
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
6	CL161								0 a	0 a	0 a	188 g
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					
7	CLXL729							0 a	0 a	0 a	0 a	261 ab
	Nontreated											
8	CLXL729							0 a	0 a	0 a	0 a	255 abc
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
9	CLXL729								0 a	0 a	0 a	235 cde
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 08-HR-15
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27-Jun-08 Injury % 53 DA-C 1	11-Jul-08 Injury % 0 67 DA-D 2	25-Jul-08 Injury % 14 81 DA-E 3	8-Aug-08 Injury % 28 95 DA-E 4	1-Sep-08 Yield bu/A 52 119 7
10	CLXL729									0 a	0 a	204 fg
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	Boot	E					
	Agri-Dex		L	19.2	FL OZ/A	Boot	E					
11	CLXL729							0 a	0 a	0 a	0 a	264 a
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
12	CLXL729								0 a	0 a	0 a	228 de
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					
13	CLXL745							0 a	0 a	0 a	0 a	256 ab
	Nontreated											
14	CLXL745							0 a	0 a	0 a	0 a	242 bcd
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
15	CLXL745								0 a	0 a	0 a	235 Cde
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					
16	CLXL745									0 a	0 a	220 Ef
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	5	FL OZ/A	Boot	E					
	Agri-Dex		L	19.2	FL OZ/A	Boot	E					
17	CLXL745							0 a	0 a	0 a	0 a	252 Abc
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI	C					
	Agri-Dex		L	19.2	FL OZ/A	PI	C					
18	CLXL745								0 a	0 a	0 a	227 De
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	LPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B					
	Beyond	1	SL	10	FL OZ/A	PI+14	D					
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D					
Standard Deviation								0.0	0.0	0.0	0.0	12.9
CV								0.0	0.0	0.0	0.0	5.74

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preemergence Herbicide Performance in Stale Seedbed Rice

Trial ID: 08-HR-16
Location: DREC

Objectives:
Evaluate the impact of tillage system on the efficacy of preemergence herbicides in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Convention variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Strip-Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	15-Apr-08	Roundup Weathermax	5.5	SL	32	FL OZ/A	N
2.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
3.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
4.	12-Jun-08	Agri-Dex		L	1	% v/v	Y
5.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
6.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Preemergence Herbicide Performance in Stale Seedbed Rice

Trial ID: 08-HR-16
Location: DREC

Application Description

	A
Application Date:	16-May-08
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	DPRE
Application Placement:	Soil
Applied By:	JAB, LCV
Air Temperature, Unit:	58 F
% Relative Humidity:	44
Wind Velocity, Unit:	5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Mud
% Cloud Cover:	0

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	27 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Date	By	Notes
7-May-08	JAB	Till conventional plots

Mississippi State University - DREC
Preemergence Herbicide Performance in Stale Seedbed Rice

Trial ID: 08-HR-16
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG
Rating Date								27-May-08	4-Jun-08	12-Jun-08	26-Jun-08	27-May-08	4-Jun-08	12-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								11 11	19 19	27 27	41 41	11 11	19 19	27 27
Trt-Eval Interval								11 DA-A	19 DA-A	27 DA-A	41 DA-A	11 DA-A	19 DA-A	27 DA-A
1	Conventional Tillage Nontreated							0 b	0 c	0 a	0 a	0 d	0 d	0 e
2	Conventional Tillage Command	3	ME	1	PT/A	DPRE	A	1 b	0 c	0 a	0 a	95 a	98 a	86 cd
3	Conventional Tillage Command	3	ME	1.6	PT/A	DPRE	A	3 b	2 b	0 a	0 a	95 a	98 a	94 a
4	Conventional Tillage Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	0 b	0 c	0 a	0 a	89 bc	93 bc	84 cd
5	Conventional Tillage Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	0 b	0 c	0 a	0 a	94 ab	94 abc	89 abc
6	Conventional Tillage Facet	75	DF	0.333	LB/A	DPRE	A	0 b	0 c	0 a	0 a	94 ab	95 abc	83 cd
7	Conventional Tillage Facet	75	DF	0.67	LB/A	DPRE	A	0 b	0 c	0 a	0 a	95 a	95 abc	86 cd
8	Fall Stale Seedbed Nontreated							0 b	0 c	0 a	0 a	0 d	0 d	0 e
9	Fall Stale Seedbed Command	3	ME	1	PT/A	DPRE	A	1 b	0 c	0 a	0 a	94 ab	96 ab	81 d
10	Fall Stale Seedbed Command	3	ME	1.6	PT/A	DPRE	A	8 a	5 a	0 a	0 a	95 a	98 a	93 ab
11	Fall Stale Seedbed Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	0 b	0 c	0 a	0 a	86 c	90 c	84 cd
12	Fall Stale Seedbed Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	0 b	0 c	0 a	0 a	93 ab	98 a	88 bcd
13	Fall Stale Seedbed Facet	75	DF	0.333	LB/A	DPRE	A	0 b	0 c	0 a	0 a	86 c	93 bc	81 d
14	Fall Stale Seedbed Facet	75	DF	0.67	LB/A	DPRE	A	0 b	0 c	0 a	0 a	93 ab	95 abc	85 cd
Standard Deviation								1.9	1.1	0.0	0.0	3.1	2.8	3.9
CV								208.93	235.91	0.0	0.0	3.92	3.39	5.28

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preemergence Herbicide Performance in Stale Seedbed Rice

Trial ID: 08-HR-16
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed 8	W Weed 9	W Weed 10	W Weed 11
Pest Type								W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	PANRA	PANRA	PANRA
Rating Date								26-Jun-08	4-Jun-08	12-Jun-08	26-Jun-08
Rating Data Type								Control	Control	Control	Control
Rating Unit								%	%	%	%
Days After First/Last Applic.								41 41	19 19	27 27	41 41
Trt-Eval Interval								41 DA-A	19 DA-A	27 DA-A	41 DA-A
1	Conventional Tillage Nontreated							0 e	0 e	0 g	0 f
2	Conventional Tillage Command	3	ME	1	PT/A	DPRE	A	75 bc	98 a	85 bc	75 bc
3	Conventional Tillage Command	3	ME	1.6	PT/A	DPRE	A	91 a	97 a	95 a	91 a
4	Conventional Tillage Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	79 bc	95 ab	85 bc	78 bc
5	Conventional Tillage Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	85 ab	97 a	90 abc	85 ab
6	Conventional Tillage Facet	75	DF	0.333	LB/A	DPRE	A	76 bc	81 cd	73 e	41 d
7	Conventional Tillage Facet	75	DF	0.67	LB/A	DPRE	A	85 ab	83 c	74 de	44 d
8	Fall Stale Seedbed Nontreated							0 e	0 e	0 g	0 f
9	Fall Stale Seedbed Command	3	ME	1	PT/A	DPRE	A	69 cd	98 a	83 c	66 c
10	Fall Stale Seedbed Command	3	ME	1.6	PT/A	DPRE	A	85 ab	98 a	93 ab	85 ab
11	Fall Stale Seedbed Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	74 c	91 b	81 cd	71 c
12	Fall Stale Seedbed Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	85 ab	98 a	86 bc	85 ab
13	Fall Stale Seedbed Facet	75	DF	0.333	LB/A	DPRE	A	64 d	76 d	60 f	26 e
14	Fall Stale Seedbed Facet	75	DF	0.67	LB/A	DPRE	A	85 ab	78 cd	66 ef	35 de
Standard Deviation								6.3	3.4	5.6	7.8
CV								9.27	4.41	8.11	14.0

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Herbicides for Glyphosate-Resistant Horseweed Control 1

Trial ID: 08-HR-20
Location: MDOT

Objectives:
Evaluate rice herbicides targeting glyphosate-resistant horseweed.

Pest Description
Pest 1 Type: W **Code:** ERICA Conyza canadensis
Common Name: Glyphosate-resistant horseweed

Site and Design
Plot Width, Unit: 10 FT **Site Type:** Field
Plot Length, Unit: 40 FT **Tillage Type:** No-Till
Replications: 4 **Study Design:** Randomized Complete Block
Soil Drainage: F Fair

Soil Description
Texture: VERY FINE SANDY LOAM
Soil Name: Dundee
Fert. Level: Good

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 3 **Unit:** MI

Application Description

	A
Application Date:	15-Apr-08
Time of Day:	5:00 pm
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	RC
Air Temperature, Unit:	68 F
% Relative Humidity:	44
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	62 F
Soil Moisture:	Dry
% Cloud Cover:	0

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ERICA W
Stage Majority, Percent:	10 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	12 LF
Height, Unit:	5 IN
Height Minimum, Maximum:	3 6
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	Tractor
Operating Pressure, Unit:	37 PSI
Nozzle Type:	XR
Nozzle Size:	11002VS
Nozzle Spacing, Unit:	20 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	5 MPH

Mississippi State University - DREC
Rice Herbicides for Glyphosate-Resistant Horseweed Control 1

Trial ID: 08-HR-20
Location: MDOT

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ERICA	ERICA	ERICA	ERICA	ERICA
Rating Date								22-Apr-08	29-Apr-08	6-May-08	13-May-08	20-May-08
Rating Data Type								Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	21 21	28 28	35 35
Trt-Eval Interval								7 DA-A	14 DA-A	21 DA-A	28 DA-A	35 DA-A
1	Nontreated							0 e	0 f	0 e	0 g	0 g
2	SuperWham	4	SC	4	QT/A	EPOST	A	14 d	8 e	3 e	4 g	0 g
	Agri-Dex		L	1	QT/A	EPOST	A					
3	Facet	75	DF	0.5	LB/A	EPOST	A	29 b	50 d	69 b	71 b	78 b
	Agri-Dex		L	1	QT/A	EPOST	A					
4	SuperWham	4	SC	4	QT/A	EPOST	A	45 a	70 b	91 a	90 a	94 a
	Facet	75	DF	0.5	LB/A	EPOST	A					
	Agri-Dex		L	1	QT/A	EPOST	A					
5	Grandstand R	3	SL	12	FL OZ/A	EPOST	A	18 cd	48 d	58 c	59 c	58 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
6	Regiment	80	WP	0.6	OZ/A	EPOST	A	29 b	53 d	50 d	38 f	35 f
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	A					
7	Grasp	2	SC	2.5	FL OZ/A	EPOST	A	35 b	85 a	91 a	95 a	95 a
	Agri-Dex		L	1	QT/A	EPOST	A					
8	Permit	75	WG	1	OZ/A	EPOST	A	29 b	61 c	74 b	53 d	64 c
	Induce		L	4.8	FL OZ/A	EPOST	A					
9	Strada	50	WG	2.1	OZ/A	EPOST	A	21 c	49 d	58 c	46 e	41 e
	Induce		L	4.8	FL OZ/A	EPOST	A					
Standard Deviation								4.3	5.0	4.8	4.1	3.8
CV								17.67	10.69	8.77	8.1	7.45

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Herbicides for Glyphosate-Resistant Horseweed Control 2

Trial ID: 08-HR-20B
Location: MDOT

Objectives:
Evaluate rice herbicides targeting glyphosate-resistant horseweed.

Pest Description
Pest 1 Type: W **Code:** ERICA Conyza canadensis
Common Name: Glyphosate-resistant horseweed

Site and Design
Plot Width, Unit: 10 FT **Site Type:** Field
Plot Length, Unit: 40 FT **Tillage Type:** No-till
Replications: 4 **Study Design:** Randomized Complete Block
Soil Drainage: F Fair

Soil Description
Texture: VERY FINE SANDY LOAM
Soil Name: Dundee
Fert. Level: Good

Application Description

	A
Application Date:	21-Apr-08
Time of Day:	2:30 pm
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	RC
Air Temperature, Unit:	83 F
% Relative Humidity:	72
Wind Velocity, Unit:	4 MPH
Wind Direction:	E
Dew Presence (Y/N):	N
Soil Temperature, Unit:	68 F
Soil Moisture:	Dry
% Cloud Cover:	0

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ERICA W
Stage Majority, Percent:	11 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	14 LF
Height, Unit:	6 IN
Height Minimum, Maximum:	3 8
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	Tractor
Operating Pressure, Unit:	37 PSI
Nozzle Type:	XR
Nozzle Size:	11002VS
Nozzle Spacing, Unit:	20 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	5 MPH

Mississippi State University - DREC
Rice Herbicides for Glyphosate-Resistant Horseweed Control 2

Trial ID: 08-HR-20B
Location: MDOT

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ERICA	ERICA	ERICA	ERICA	ERICA
Rating Date								29-Apr-08	6-May-08	13-May-08	20-May-08	27-May-08
Rating Data Type								Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								8 8	15 15	22 22	29 29	36 36
Trt-Eval Interval								8 DA-A	15 DA-A	22 DA-A	29 DA-A	36 DA-A
1	Nontreated							0 e	0 e	0 f	0 f	0 e
2	SuperWham	4	SC	4	QT/A	EPOST	A	9 d	4 e	6 e	0 f	0 e
	Agri-Dex		L	1	QT/A	EPOST	A					
3	Facet	75	DF	0.5	LB/A	EPOST	A	34 b	43 d	56 bc	83 b	91 a
	Agri-Dex		L	1	QT/A	EPOST	A					
4	SuperWham	4	SC	4	QT/A	EPOST	A	49 a	74 b	88 a	93 a	95 a
	Facet	75	DF	0.5	LB/A	EPOST	A					
	Agri-Dex		L	1	QT/A	EPOST	A					
5	Grandstand R	3	SL	12	FL OZ/A	EPOST	A	28 c	45 cd	53 c	64 c	58 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
6	Regiment	80	WP	0.6	OZ/A	EPOST	A	28 c	43 d	46 d	44 e	31 d
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	A					
7	Grasp	2	SC	2.5	FL OZ/A	EPOST	A	30 bc	84 a	91 a	94 a	91 a
	Agri-Dex		L	1	QT/A	EPOST	A					
8	Permit	75	WG	1	OZ/A	EPOST	A	28 c	53 c	59 b	61 c	49 c
	Induce		L	4.8	FL OZ/A	EPOST	A					
9	Strada	50	WG	2.1	OZ/A	EPOST	A	28 c	38 d	51 cd	50 d	34 d
	Induce		L	4.8	FL OZ/A	EPOST	A					
Standard Deviation								2.7	6.1	3.7	3.1	3.5
CV								10.55	14.31	7.34	5.69	7.1

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice PRE Plant-Back Interval

Trial ID: 08-HR-21
Location: DREC

Objectives:
Determine weed control efficacy of preemergence applications of Grasp, Permit, Strada, and V-10142.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
3.	12-Jun-08	Agri-Dex		L	1	%v/v	Y
4.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
5.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Rice PRE Plant-Back Interval

Trial ID: 08-HR-21
Location: DREC

Application Description

	A
Application Date:	13-May-08
Time of Day:	6:00 pm
Application Method:	Broadcast
Application Timing:	PRE
Application Placement:	Soil
Applied By:	JAB
Air Temperature, Unit:	75 F
% Relative Humidity:	47
Wind Velocity, Unit:	11 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	81 F
Soil Moisture:	Dry
% Cloud Cover:	100

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	36 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
13-May-08	JAB	Sprayed with blockers.
4-Jun-08	JAB	Grasp and V-10142 injury is height reduction.

Mississippi State University - DREC
Rice PRE Plant-Back Interval

Trial ID: 08-HR-21
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG
Rating Date								27-May-08	4-Jun-08	11-Jun-08	26-Jun-08	27-May-08	4-Jun-08	11-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	22 22	29 29	44 44	14 14	22 22	29 29
Trt-Eval Interval								14 DA-A	22 DA-A	29 DA-A	44 DA-A	14 DA-A	22 DA-A	29 DA-A
1	Nontreated							0 e	0 c	0 b	0 a	0 f	0 e	0 g
2	Command	3	ME	1.33	PT/A	PRE	A	5 bc	4 b	0 b	0 a	95 a	98 a	94 a
3	Permit	75	WG	0.5	OZ/A	PRE	A	0 e	0 c	0 b	0 a	28 e	44 d	26 f
4	Permit	75	WG	1	OZ/A	PRE	A	0 e	0 c	0 b	0 a	28 e	46 d	44 e
5	Permit	75	WG	2	OZ/A	PRE	A	1 de	0 c	0 b	0 a	40 d	69 c	63 d
6	Strada	50	WG	2.1	OZ/A	PRE	A	0 e	0 c	0 b	0 a	0 f	0 e	0 g
7	Grasp	2	SC	2	FL OZ/A	PRE	A	4 cd	7 a	5 a	0 a	54 c	83 b	73 c
8	Grasp	2	SC	2.8	FL OZ/A	PRE	A	7 ab	9 a	6 a	2 a	75 b	89 ab	83 b
9	V-10142	75	DG	4.27	OZ/A	PRE	A	8 a	3 bc	1 b	0 a	11 f	46 d	31 f
10	Regiment	80	WP	0.5	OZ/A	PRE	A	0 e	0 c	0 b	0 a	0 f	0 e	0 g
Standard Deviation								2.1	1.6	1.9	1.3	7.7	7.6	5.7
CV								82.08	75.21	155.34	632.46	23.24	16.11	13.9

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11
Pest Type								W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	PANRA	PANRA	PANRA
Rating Date								26-Jun-08	4-Jun-08	11-Jun-08	26-Jun-08
Rating Data Type								Control	Control	Control	Control
Rating Unit								%	%	%	%
Days After First/Last Applic.								44 44	22 22	29 29	44 44
Trt-Eval Interval								44 DA-A	22 DA-A	29 DA-A	44 DA-A
1	Nontreated							0 g	0 g	0 c	0 d
2	Command	3	ME	1.33	PT/A	PRE	A	94 a	98 a	95 a	93 a
3	Permit	75	WG	0.5	OZ/A	PRE	A	25 f	11 ef	0 c	0 d
4	Permit	75	WG	1	OZ/A	PRE	A	39 e	15 e	5 c	3 d
5	Permit	75	WG	2	OZ/A	PRE	A	55 d	29 d	11 c	10 c
6	Strada	50	WG	2.1	OZ/A	PRE	A	0 g	0 g	0 c	0 d
7	Grasp	2	SC	2	FL OZ/A	PRE	A	69 c	64 c	44 b	29 b
8	Grasp	2	SC	2.8	FL OZ/A	PRE	A	80 b	75 b	46 b	34 b
9	V-10142	75	DG	4.27	OZ/A	PRE	A	31 ef	5 fg	0 c	0 d
10	Regiment	80	WP	0.5	OZ/A	PRE	A	0 g	0 g	0 c	0 d
Standard Deviation								5.9	6.0	7.4	4.9
CV								15.09	20.19	36.78	29.52

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill Multiple
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate
Harvest Date: 29-Sep-08

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Command	3	ME	1.33	PT/A	Y
3.	21-May-08	Agri-Dex		L	1	%v/v	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	%v/v	Y
6.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
7.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Application Description

	A	B
Application Date:	13-May-08	9-Jun-08
Time of Day:	7:00 am	9:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	0 DPP	MPOST
Application Placement:	Soil	Foliar
Applied By:	JAB	JAB, LCV
Air Temperature, Unit:	67 F	84 F
% Relative Humidity:	60	67
Wind Velocity, Unit:	4 MPH	5 MPH
Wind Direction:	SE	SW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	77 F	
Soil Moisture:	Dry	Adequate
% Cloud Cover:	100	0

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		4 LF
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		4 LF
Height, Unit:		8 IN
Height Minimum, Maximum:		7 8

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
9-Jun-08	JAB	Sprayed with blockers
16-Jun-08	JAB	Ricestar injury is chlorosis. Very little symptomology for other herbicides.

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27-May-08 Injury % 14 14 14 DA-A 1	4-Jun-08 Injury % 22 22 22 DA-A 2	11-Jun-08 Injury % 29 2 29 DA-A 3	16-Jun-08 Injury % 34 7 7 DA-B 4	23-Jun-08 Injury % 41 14 14 DA-B 5	7-Jul-08 Injury % 55 28 28 DA-B 6
1	Cocodrie							0 c	0 d	0 c	0 f	0 f	0 e
	Nontreated												
2	Cocodrie							9 c	8 c	0 c	0 f	0 f	0 e
	Firstshot at 0.8 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	1X rate												
3	Cocodrie							46 a	33 a	11 a	7 bcd	5 cde	5 cd
	Firstshot at 1.6 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	2X rate												
4	Cocodrie										0 f	0 f	0 e
	Facet	75	DF	0.67	LB/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
5	Cocodrie										1 ef	0 f	0 e
	Facet	75	DF	1.33	LB/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
6	Cocodrie										0 f	0 f	0 e
	Grandstand R	3	SL	1	PT/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
7	Cocodrie										4 c-f	7 a-d	5 c
	Grandstand R	3	SL	2	PT/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
8	Cocodrie										1 ef	0 f	0 e
	Regiment	80	WP	0.67	OZ/A	MPOST	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	1X rate												
9	Cocodrie										1 ef	0 f	0 e
	Regiment	80	WP	1.34	OZ/A	MPOST	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	2X rate												
10	Cocodrie										0 f	0 f	0 e
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
11	Cocodrie										0 f	0 f	0 e
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
12	XL723							0 c	0 d	0 c	0 f	0 f	0 e
	Nontreated												
13	XL723							9 c	3 cd	1 c	0 f	0 f	0 e
	Firstshot at 0.8 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	1X rate												

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27-May-08 Injury % 14 14 14 DA-A 1	4-Jun-08 Injury % 22 22 22 DA-A 2	11-Jun-08 Injury % 29 2 29 DA-A 3	16-Jun-08 Injury % 34 7 7 DA-B 4	23-Jun-08 Injury % 41 14 14 DA-B 5	7-Jul-08 Injury % 55 28 28 DA-B 6
14	XL723							31 b	15 b	3 bc	3 def	1 ef	0 e
	Firstshot at 0.8 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	2X rate												
15	XL723										0 f	0 f	0 e
	Facet	75	DF	0.67	LB/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
16	XL723										4 c-f	7 abc	0 e
	Facet	75	DF	1.33	LB/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
17	XL723										5 cde	5 cde	0 e
	Grandstand R	3	SL	1	PT/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
18	XL723										6 bcd	9 a	16 a
	Grandstand R	3	SL	2	PT/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
19	XL723										3 def	5 bcd	3 de
	Regiment	80	WP	0.67	OZ/A	MPOST	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	1X rate												
20	XL723										4 c-f	1 ef	1 e
	Regiment	80	WP	1.34	OZ/A	MPOST	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	2X rate												
21	XL723										10 ab	5 bcd	0 e
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
22	XL723										10 ab	9 a	0 e
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
23	CLXL745							0 c	0 d	0 c	0 f	0 f	0 e
	Nontreated												
24	CLXL745							10 c	6 cd	0 c	0 f	0 f	0 e
	Firstshot at 0.8 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	1X rate												
25	CLXL745							24 b	9 bc	6 b	1 ef	0 f	0 e
	Firstshot at 0.8 OZ/A					0 DPP	A						
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A						
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A						
	2X rate												

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27-May-08 Injury % 14 14 14 DA-A 1	4-Jun-08 Injury % 22 22 22 DA-A 2	11-Jun-08 Injury % 29 2 29 DA-A 3	16-Jun-08 Injury % 34 7 7 DA-B 4	23-Jun-08 Injury % 41 14 14 DA-B 5	7-Jul-08 Injury % 55 28 28 DA-B 6
26	CLXL745												
	Facet	75	DF	0.67	LB/A	MPOST	B				0 f	0 f	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
27	CLXL745												
	Facet	75	DF	1.33	LB/A	MPOST	B				4 c-f	5 bcd	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
28	CLXL745												
	Grandstand R	3	SL	1	PT/A	MPOST	B				5 cde	1 ef	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
29	CLXL745												
	Grandstand R	3	SL	2	PT/A	MPOST	B				8 abc	8 abc	14 b
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
30	CLXL745												
	Regiment	80	WP	0.67	OZ/A	MPOST	B				6 bcd	7 a-d	0 e
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	1X rate												
31	CLXL745												
	Regiment	80	WP	1.34	OZ/A	MPOST	B				5 cde	3 def	0 e
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B						
	2X rate												
32	CLXL745												
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B				10 ab	5 bcd	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	1X rate												
33	CLXL745												
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B				11 a	9 ab	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B						
	2X rate												
Standard Deviation								6.4	4.5	2.4	2.4	2.1	1.6
CV								44.81	56.01	101.64	72.86	78.2	123.59

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	4-Aug-08 Injury % 83 56 56 DA-B 7	50% Head DAE 9	23-Sep-08 Ldg Rate % 133 106 10	23-Sep-08 Ldg Type 1-5 133 106 11
1	Cocodrie							0 a	84 e-i	63 abc	4 a
	Nontreated										
2	Cocodrie							0 a	85 cde	53 a-e	3 a-d
	Firstshot at 0.8 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	1X rate										
3	Cocodrie							0 a	86 cd	11 ef	1 def
	Firstshot at 1.6 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	2X rate										
4	Cocodrie							0 a	87 b	43 a-e	2 a-d
	Facet	75	DF	0.67	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
5	Cocodrie							0 a	90 a	45 a-e	3 a-d
	Facet	75	DF	1.33	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
6	Cocodrie							0 a	86 bc	20 def	1 c-f
	Grandstand R	3	SL	1	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
7	Cocodrie							0 a	85 c-f	0 f	0 f
	Grandstand R	3	SL	2	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
8	Cocodrie							0 a	83 g-j	0 f	0 f
	Regiment	80	WP	0.67	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	1X rate										
9	Cocodrie							0 a	84 f-i	43 a-e	2 a-d
	Regiment	80	WP	1.34	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	2X rate										
10	Cocodrie							0 a	84 d-h	50 a-e	3 a-d
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
11	Cocodrie							0 a	85 d-g	53 a-e	3 a-d
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
12	XL723							0 a	81 klm	70 ab	3 abc
	Nontreated										
13	XL723							0 a	81 klm	63 abc	2 b-f
	Firstshot at 0.8 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	1X rate										

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	4-Aug-08 Injury % 83 56 56 DA-B	50% Head DAE	23-Sep-08 Ldg Rate % 133 106	23-Sep-08 Ldg Type 1-5 133 106
	Rating Date							4-Aug-08		23-Sep-08	23-Sep-08
	Rating Data Type							Injury	50% Head	Ldg Rate	Ldg Type
	Rating Unit							%	DAE	%	1-5
	Days After First/Last Applic.							83 56		133 106	133 106
	Trt-Eval Interval							56 DA-B			
								7	9	10	11
14	XL723							0 a	82 i-l	61 a-d	3 abc
	Firstshot at 0.8 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	2X rate										
15	XL723							0 a	83 g-j	66 ab	2 a-f
	Facet	75	DF	0.67	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
16	XL723							0 a	86 cd	24 c-f	0 ef
	Facet	75	DF	1.33	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
17	XL723							0 a	82 jkl	78 ab	2 a-d
	Grandstand R	3	SL	1	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
18	XL723							0 a	81 klm	59 a-d	2 a-e
	Grandstand R	3	SL	2	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
19	XL723							0 a	81 lm	39 b-f	2 b-f
	Regiment	80	WP	0.67	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	1X rate										
20	XL723							0 a	80 mn	39 b-f	2 a-f
	Regiment	80	WP	1.34	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	2X rate										
21	XL723							0 a	83 g-j	66 ab	3 ab
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
22	XL723							0 a	83 h-k	70 ab	3 a-d
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
23	CLXL745							0 a	78 op	83 a	4 a
	Nontreated										
24	CLXL745							0 a	79 nop	59 a-d	3 a-d
	Firstshot at 0.8 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	1X rate										
25	CLXL745							0 a	79 nop	80 ab	3 a-d
	Firstshot at 0.8 OZ/A					0 DPP	A				
	Harmony GT XP (thifensulfuron)	50	DF	0.8	OZ/A	0 DPP	A				
	Express (tribenuron)	50	SG	0.8	OZ/A	0 DPP	A				
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	A				
	2X rate										

Mississippi State University - DREC
Hybrid Tolerance to Postemergence Herbicides

Trial ID: 08-HR-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	4-Aug-08 Injury % 83 56 56 DA-B 7	50% Head DAE 9	23-Sep-08 Ldg Rate % 133 106 10	23-Sep-08 Ldg Type 1-5 133 106 11
26	CLXL745							0 a	80 mno	65 abc	3 a-d
	Facet	75	DF	0.67	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
27	CLXL745							0 a	83 g-j	44 a-e	2 b-f
	Facet	75	DF	1.33	LB/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
28	CLXL745							0 a	78 p	78 ab	3 a-d
	Grandstand R	3	SL	1	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
29	CLXL745							0 a	79 nop	73 ab	2 a-e
	Grandstand R	3	SL	2	PT/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
30	CLXL745							0 a	78 p	78 ab	3 a-d
	Regiment	80	WP	0.67	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	1X rate										
31	CLXL745							0 a	78 p	81 ab	3 a-d
	Regiment	80	WP	1.34	OZ/A	MPOST	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	B				
	2X rate										
32	CLXL745							0 a	78 p	84 a	3 abc
	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	1X rate										
33	CLXL745							0 a	79 nop	68 ab	3 abc
	Ricestar HT	0.58	EC	48	FL OZ/A	MPOST	B				
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B				
	2X rate										
Standard Deviation								0.0	1.0	24.6	1.1
CV								0.0	1.18	45.08	49.61

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Plant-Back for Burndown Herbicides

Trial ID: 08-HR-23
Location: DREC

Objectives:
Determine rice tolerance to applications of herbicides not labeled for burndown.

Crop Description

Crop 1: ORYSA Oryza sativa Common rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 23-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Factorial

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	3	ME	1.33	PT/A	Y
4.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
5.	12-Jun-08	Agri-Dex		L	1	%v/v	Y
6.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
7.	18-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
9.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Rice Plant-Back for Burndown Herbicides

Trial ID: 08-HR-23
Location: DREC

Application Description

	A	B
Application Date:	25-Apr-08	13-May-08
Time of Day:	8:00 am	7:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	10 DPP	0 DPP
Application Placement:	Soil	Soil
Applied By:	LCV, JAB	JAB
Air Temperature, Unit:	70 F	67 F
% Relative Humidity:	75	60
Wind Velocity, Unit:	3.5 MPH	4 MPH
Wind Direction:	SE	SE
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	73 F	77 F
Soil Moisture:	Dry	Dry
% Cloud Cover:	20	100

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	40 PSI	36 PSI
Nozzle Type:	AI	Ai
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
	JAB	10 DPP treatments are 17 DPP

Mississippi State University - DREC
Rice Plant-Back for Burndown Herbicides

Trial ID: 08-HR-23
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29-May-08 Injury % 34 16 16 DA-B 1	4-Jun-08 Injury % 40 22 22 DA-B 2	19-Jun-08 Injury % 55 37 37 DA-B 3	3-Jun-08 Density pl/sq m 39 21 21 DA-B 4	50% Head DAE 6	23-Sep-08 Ldg Rate % 151 133 7
1	Nontreated							0 e	0 d	0 c	248 a	84 cd	5 bc
2	Clarity	4	SC	8	FL OZ/A	10 DPP	A	0 e	0 d	0 c	231 ab	85 a-d	34 abc
	Agri-Dex		L	1	QT/A	10 DPP	A						
	17 days preplant												
3	Clarity	4	SC	8	FL OZ/A	0 DPP	B	75 b	73 b	33 b	125 d	85 a-d	1 bc
	Agri-Dex		L	1	QT/A	0 DPP	B						
	0 days preplant												
4	Grasp	2	SC	2.8	FL OZ/A	10 DPP	A	1 e	1 d	1 c	207 abc	85 a-d	18 abc
	Agri-Dex		L	1	QT/A	10 DPP	A						
	17 days preplant												
5	Grasp	2	SC	2.8	FL OZ/A	0 DPP	B	6 e	6 d	25 b	218 ab	86 abc	11 bc
	Agri-Dex		L	1	QT/A	0 DPP	B						
	0 days preplant												
6	Firstshot at 0.8 OZ/A							1 e	0 d	0 c	222 ab	85 a-d	51 a
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	10 DPP	A						
	Express (tribenuron)	50	SG	0.4	OZ/A	10 DPP	A						
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A						
	17 days preplant												
7	Firstshot at 0.8 OZ/A							5 e	4 d	0 c	195 bc	85 a-d	31 abc
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	B						
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	B						
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B						
	0 days preplant												
8	ET	0.21	EC	2	FL OZ/A	10 DPP	A	0 e	0 d	0 c	218 ab	84 cd	28 abc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A						
	17 days preplant												
9	ET	0.21	EC	2	FL OZ/A	0 DPP	B	0 e	0 d	0 c	190 bc	85 bcd	31 abc
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B						
	0 days preplant												
10	Select Max	1	EC	16	FL OZ/A	10 DPP	A	28 d	21 c	4 c	176 c	86 ab	23 abc
	Induce		L	4.8	FL OZ/A	10 DPP	A						
	17 days preplant												
11	Select Max	1	EC	16	FL OZ/A	0 DPP	B	100 a	100 a	100 a	0 f		0 c
	Induce		L	4.8	FL OZ/A	0 DPP	B						
	0 days preplant												
12	Stout	72.5	DF	0.75	OZ/A	10 DPP	A	0 e	0 d	0 c	238 a	84 d	18 abc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A						
	UAN		L	2	QT/A	10 DPP	A						
	17 days preplant												
13	Stout	72.5	DF	0.75	OZ/A	0 DPP	B	0 e	0 d	0 c	215 abc	85 a-d	39 ab
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B						
	UAN		L	2	QT/A	0 DPP	B						
	0 days preplant												
14	Sencor	75	DF	4	OZ/A	10 DPP	A	46 c	68 b	30 b	102 de	86 a	3 bc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A						
	17 days preplant												
15	Sencor	75	DF	4	OZ/A	0 DPP	B	58 c	79 b	39 b	85 e	86 ab	5 bc
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B						
	0 days preplant												
Standard Deviation								9.1	7.9	14.0	25.5	0.8	22.2
CV								42.77	33.93	90.78	14.33	0.94	112.28

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Plant-Back for Burndown Herbicides

Trial ID: 08-HR-23
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	23-Sep-08 Ldg Type 1-5 151 133	23-Sep-08 Yield bu/A 151 133
	Rating Date							23-Sep-08	23-Sep-08
	Rating Data Type							Ldg Type	Yield
	Rating Unit							1-5	bu/A
	Days After First/Last Applic.							151 133	151 133
	Trt-Eval Interval								
1	Nontreated							1 bcd	218 ab
2	Clarity	4	SC	8	FL OZ/A	10 DPP	A	3 ab	211 abc
	Agri-Dex		L	1	QT/A	10 DPP	A		
	17 days preplant								
3	Clarity	4	SC	8	FL OZ/A	0 DPP	B	0 cd	204 abc
	Agri-Dex		L	1	QT/A	0 DPP	B		
	0 days preplant								
4	Grasp	2	SC	2.8	FL OZ/A	10 DPP	A	2 a-d	217 ab
	Agri-Dex		L	1	QT/A	10 DPP	A		
	17 days preplant								
5	Grasp	2	SC	2.8	FL OZ/A	0 DPP	B	2 bcd	213 abc
	Agri-Dex		L	1	QT/A	0 DPP	B		
	0 days preplant								
6	Firstshot at 0.8 OZ/A							4 a	192 c
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	10 DPP	A		
	Express (tribenuron)	50	SG	0.4	OZ/A	10 DPP	A		
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A		
	17 days preplant								
7	Firstshot at 0.8 OZ/A							3 abc	196 bc
	Harmony GT XP (thifensulfuron)	50	DF	0.4	OZ/A	0 DPP	B		
	Express (tribenuron)	50	SG	0.4	OZ/A	0 DPP	B		
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B		
	0 days preplant								
8	ET	0.21	EC	2	FL OZ/A	10 DPP	A	2 a-d	209 abc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A		
	17 days preplant								
9	ET	0.21	EC	2	FL OZ/A	0 DPP	B	2 a-d	215 ab
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B		
	0 days preplant								
10	Select Max	1	EC	16	FL OZ/A	10 DPP	A	2 bcd	208 abc
	Induce		L	4.8	FL OZ/A	10 DPP	A		
	17 days preplant								
11	Select Max	1	EC	16	FL OZ/A	0 DPP	B	0 d	0 d
	Induce		L	4.8	FL OZ/A	0 DPP	B		
	0 days preplant								
12	Stout	72.5	DF	0.75	OZ/A	10 DPP	A	1 bcd	203 abc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A		
	UAN		L	2	QT/A	10 DPP	A		
	17 days preplant								
13	Stout	72.5	DF	0.75	OZ/A	0 DPP	B	2 a-d	205 abc
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B		
	UAN		L	2	QT/A	0 DPP	B		
	0 days preplant								
14	Sencor	75	DF	4	OZ/A	10 DPP	A	0 cd	210 abc
	Agri-Dex		L	19.2	FL OZ/A	10 DPP	A		
	17 days preplant								
15	Sencor	75	DF	4	OZ/A	0 DPP	B	0 cd	219 a
	Agri-Dex		L	19.2	FL OZ/A	0 DPP	B		
	0 days preplant								
	Standard Deviation							1.4	13.0
	CV							93.26	6.68

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Postemergence Programs Targeting Texasweed

Trial ID: 08-HR-24
Location: Greenville

Objectives:
Evaluate herbicide programs targeting texasweed in rice.

Pest Description
Pest 1 Type: W **Code:** CNPPA Caperonia palustris
Common Name: texasweed

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block

Application Description

	A
Application Date:	11-Jun-08
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	77 F
% Relative Humidity:	79
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Soil Moisture:	Adequate
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	4 TIL
Stage Minimum, Percent:	3 TIL
Stage Maximum, Percent:	4 TIL
Height, Unit:	10.5 IN
Height Minimum, Maximum:	10 11

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	CNPPA W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	2 LF
Stage Maximum, Percent:	9 LF
Height, Unit:	6 IN
Height Minimum, Maximum:	1 10
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	28 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Date	By	Notes
19-Jun-08	JAB	Rice injury was difficult to evaluate. Rice was drought stressed. Range of control in each plot due to variable weed size at application. Regrowth showing on large weeds treated with contact herbicides.

Mississippi State University - DREC
Postemergence Programs Targeting Texasweed

Trial ID: 08-HR-24
Location: Greenville

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
Pest Type										W Weed	W Weed	W Weed
Pest Code										CNPPA	CNPPA	CNPPA
Rating Date								19-Jun-08	25-Jun-08	19-Jun-08	25-Jun-08	1-Jul-08
Rating Data Type								Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								8 8	14 14	8 8	14 14	20 20
Trt-Eval Interval								8 DA-A	14 DA-A	8 DA-A	14 DA-A	20 DA-A
1	Nontreated							0 d	0 a	0 i	0 c	0 e
2	SuperWham	4	SC	4	QT/A	EPOST	A	11 a	0 a	79 a	75 a	61 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
3	Aim	2	EC	1	FL OZ/A	EPOST	A	3 bcd	0 a	58 def	58 b	40 cd
	Induce		L	4.8	FL OZ/A	EPOST	A					
4	Grandstand R	3	SL	16	FL OZ/A	EPOST	A	3 bcd	0 a	61 cde	78 a	84 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
5	Regiment	80	WP	0.5	OZ/A	EPOST	A	0 d	0 a	44 h	61 b	54 bc
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	A					
6	Grasp	2	SC	2.3	FL OZ/A	EPOST	A	1 cd	0 a	49 gh	58 b	49 bcd
	MSO		L	1	QT/A	EPOST	A					
7	Permit	75	WG	1	OZ/A	EPOST	A	4 bcd	0 a	68 bc	61 b	60 b
	Induce		L	4.8	FL OZ/A	EPOST	A					
8	Strada	50	WG	2.1	OZ/A	EPOST	A	7 abc	0 a	54 efg	59 b	53 bc
	Induce		L	9.6	FL OZ/A	EPOST	A					
9	Londax	60	DF	1	OZ/A	EPOST	A	6 abc	0 a	53 fg	58 b	55 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
10	Ricebeaux	6	EC	2.67	QT/A	EPOST	A	8 ab	0 a	69 bc	53 b	35 d
11	Duet	4.03	SC	4	QT/A	EPOST	A	6 abc	0 a	75 ab	81 a	76 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
12	Aim	2	EC	1	FL OZ/A	EPOST	A	8 ab	0 a	65 cd	76 a	76 a
	Permit	75	WG	1	OZ/A	EPOST	A					
	Induce		L	4.8	FL OZ/A	EPOST	A					
Standard Deviation								3.5	0.0	5.5	7.0	9.4
CV								74.79	0.0	9.79	11.77	17.51

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 08-HR-25
Location: DREC

Objectives:
Determine weed control efficacy and rice tolerance to salvage herbicide applications made after flooding.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08
Harvest Date: 23-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** PANRA Urochloa ramosum
Common Name: Browntop millet

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	13-May-08	Command	3	ME	0.67	PT/A	N
3.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
4.	12-Jun-08	Agri-Dex		L	1	%v/v	Y
5.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
6.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 08-HR-25
Location: DREC

Application Description

	A	B	C
Application Date:	25-Jun-08	3-Jul-08	10-Jul-08
Time of Day:	6:30 am	7:00 am	7:15 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	7d PTFLD	14d PTFLD	21d PTFLD
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB	LCV, JKM	LCV
Air Temperature, Unit:	75 F	76 F	78 F
% Relative Humidity:	81	78	80
Wind Velocity, Unit:	0 MPH	0 MPH	4 MPH
Wind Direction:			S
Dew Presence (Y/N):	Y	Y	Y
Soil Moisture:	Flood	Flood	Flood
% Cloud Cover:	0	0	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	5 TIL	PD	E Boot
Stage Minimum, Percent:	4 TIL	PD	E Boot
Stage Maximum, Percent:	5 TIL	PD	E Boot
Height, Unit:	14 IN	20 IN	29 IN
Height Minimum, Maximum:	12 16	18 22	28 30

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:	5 TIL	7 TIL	Head
Stage Minimum, Percent:	3 TIL	5 TIL	Head
Stage Maximum, Percent:	7 TIL	8 TIL	Head
Height, Unit:	10 IN	17 IN	32 IN
Height Minimum, Maximum:	8 12	15 19	30 33
Density, Unit:	4 FT2	4 FT2	4 FT2
Pest 2 Code, Disc., Scale:	PANRA W	PANRA W	PANRA W
Stage Majority, Percent:	5 TIL	7 TIL	Head
Stage Minimum, Percent:	3 TIL	6 TIL	Head
Stage Maximum, Percent:	6 TIL	8 TIL	Head
Height, Unit:	8 IN	10 IN	15 IN
Height Minimum, Maximum:	6 9	9 11	11 18
Density, Unit:	5 FT2	5 FT2	5 FT2

Application Equipment

	A	B	C
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	22 PSI	22 PSI	22 PSI
Nozzle Type:	TT	TT	TT
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	2.5 MPH	2.5 MPH	2.5 MPH

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 08-HR-25
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type													W Weed	W Weed
Pest Code													ECHCG	ECHCG
Rating Date								3-Jul-08	10-Jul-08	17-Jul-08	26-Jul-08	8-Aug-08	3-Jul-08	10-Jul-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								8 0	15 0	22 7	31 16	44 29	8 0	15 0
Trt-Eval Interval								8 DA-A	7 DA-B	7 DA-C	16 DA-C	29 DA-C	8 DA-A	7 DA-B
1	Nontreated							0 c	0 c	0 b	0 a	0 a	0 b	0 c
2	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	A	1 c	0 c	0 b	0 a	0 a	74 a	85 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
3	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	B		0 c	0 b	0 a	0 a		51 b
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
4	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	C			0 b	0 a	0 a		
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
5	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	A	3 c	3 b	0 b	0 a	0 a	73 a	90 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
6	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	A	0 c	0 c	0 b	0 a	0 a	78 a	88 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
7	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	B		0 c	0 b	0 a	0 a		55 b
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
8	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	C			0 b	0 a	0 a		
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
9	Regiment	80	WP	0.6	OZ PR/A	7 d PTFLD	A	7 b	3 bc	0 b	0 a	0 a	74 a	91 a
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
10	Regiment	80	WP	0.6	OZ PR/A	14 d PTFLD	B		0 c	0 b	0 a	0 a		54 b
	Dyne-A-Pak		L	24	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
11	Regiment	80	WP	0.6	OZ PR/A	21 d PTFLD	C			0 b	0 a	0 a		
	Dyne-A-Pak		L	24	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
12	Regiment	80	WP	1.2	OZ PR/A	7 d PTFLD	A	10 a	10 a	5 a	0 a	0 a	80 a	91 a
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
Standard Deviation								1.5	1.7	1.2	0.0	0.0	4.8	4.7
CV								44.56	97.54	323.56	0.0	0.0	7.68	6.94

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 08-HR-25
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
	Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
	Pest Code							ECHCG	ECHCG	ECHCG	PANRA	PANRA	PANRA	PANRA
	Rating Date							17-Jul-08	26-Jul-08	8-Aug-08	3-Jul-08	10-Jul-08	17-Jul-08	26-Jul-08
	Rating Data Type							Control	Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							22 7	31 16	44 29	8 0	15 0	22 7	31 16
	Trt-Eval Interval							7 DA-C	16 DA-C	29 DA-C	8 DA-A	7 DA-B	7 DA-C	16 DA-C
1	Nontreated							0 d	0 f	0 g	0 c	0 e	0 f	0 g
2	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	A	94 a	78 cd	78 bc	55 ab	66 b	70 b	65 d
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
3	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	B	71 b	66 d	64 d		38 d	50 c	48 e
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
4	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	C	24 c	43 e	29 f			11 e	16 f
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
5	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	A	95 a	91 ab	93 a	48 b	69 b	73 b	78 c
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
6	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	A	93 a	81 bc	79 bc	69 a	86 a	93 a	94 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
7	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	B	75 b	76 cd	75 cd		53 c	73 b	89 ab
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
8	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	C	25 c	45 e	36 ef			21 d	48 e
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
9	Regiment	80	WP	0.6	OZ PR/A	7 d PTFLD	A	95 a	95 a	95 a	41 b	69 b	73 b	78 c
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
10	Regiment	80	WP	0.6	OZ PR/A	14 d PTFLD	B	70 b	88 abc	94 a		44 d	49 c	66 d
	Dyne-A-Pak		L	24	FL OZ/A	14 d PTFLD	B							
	14 d after flood													
11	Regiment	80	WP	0.6	OZ PR/A	21 d PTFLD	C	24 c	45 e	46 e			18 de	19 f
	Dyne-A-Pak		L	24	FL OZ/A	21 d PTFLD	C							
	21 d after flood													
12	Regiment	80	WP	1.2	OZ PR/A	7 d PTFLD	A	95 a	90 ab	90 ab	48 b	70 b	74 b	79 bc
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A							
	7 d after flood													
	Standard Deviation							3.5	7.4	8.7	9.7	5.1	5.0	7.2
	CV							5.58	11.2	13.36	22.39	9.26	10.0	12.67

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 08-HR-25
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	17	18	19	22
	Pest Type							W Weed				
	Pest Code							PANRA				
	Rating Date							8-Aug-08		18-Sep-08	18-Sep-08	23-Sep-08
	Rating Data Type							Control	50% Head	Ldg Rate	Ldg Type	Yield
	Rating Unit							%	DAE	%	1-5	bu/A
	Days After First/Last Applic.							44 29		85 70	85 70	90 75
	Trt-Eval Interval							29 DA-C				
1	Nontreated							0 g	85 a	58 a	2 a	62 f
2	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	A	53 de	82 bc	0 b	0 a	248 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A					
	7 d after flood											
3	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	B	39 e	81 cd	0 b	0 a	208 c
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B					
	14 d after flood											
4	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	C	5 g	84 a	50 a	2 a	89 e
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C					
	21 d after flood											
5	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	A	76 bc	81 d	10 b	1 a	247 a
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A					
	7 d after flood											
6	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	A	95 a	81 bcd	0 b	0 a	230 ab
	Agri-Dex		L	48	FL OZ/A	7 d PTFLD	A					
	7 d after flood											
7	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	B	90 ab	81 bcd	10 b	0 a	204 c
	Agri-Dex		L	48	FL OZ/A	14 d PTFLD	B					
	14 d after flood											
8	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	C	43 e	85 a	50 a	2 a	121 d
	Agri-Dex		L	48	FL OZ/A	21 d PTFLD	C					
	21 d after flood											
9	Regiment	80	WP	0.6	OZ PR/A	7 d PTFLD	A	75 bc	82 bcd	3 b	1 a	232 ab
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A					
	7 d after flood											
10	Regiment	80	WP	0.6	OZ PR/A	14 d PTFLD	B	64 cd	81 d	8 b	1 a	220 bc
	Dyne-A-Pak		L	24	FL OZ/A	14 d PTFLD	B					
	14 d after flood											
11	Regiment	80	WP	0.6	OZ PR/A	21 d PTFLD	C	23 f	85 a	28 ab	2 a	112 d
	Dyne-A-Pak		L	24	FL OZ/A	21 d PTFLD	C					
	21 d after flood											
12	Regiment	80	WP	1.2	OZ PR/A	7 d PTFLD	A	78 bc	82 b	0 b	0 a	219 bc
	Dyne-A-Pak		L	24	FL OZ/A	7 d PTFLD	A					
	7 d after flood											
	Standard Deviation							11.2	0.8	21.0	1.3	13.5
	CV							20.98	0.98	117.45	164.18	7.4

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Objectives:
Evaluate broad-spectrum weed control programs for Mississippi rice production.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description

Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Pest 6 Type: W **Code:** PANRA Urochloa ramosum
Common Name: Browntop millet

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Application Description

	A	B	C	D	E
Application Date:	16-May-08	27-May-08	10-Jun-08	16-Jun-08	26-Jun-08
Time of Day:	7:00 am	7:00 am	7:00 am	6:30 am	6:30 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	DPRE	EPOST	MPOST	LPOST	7d PTFLD
Application Placement:	Soil	Foliar	Foliar	Foliar	Foliar
Applied By:	JAB, LCV	LCV, RCB	JAB	JAB	LCV
Air Temperature, Unit:	58 F	77 F	74 F	81 F	75 F
% Relative Humidity:	44	86	77	87	81
Wind Velocity, Unit:	6 MPH	3 MPH	2 MPH	0 MPH	0 MPH
Wind Direction:	N	S	N		
Dew Presence (Y/N):	Y	Y	Y	Y	Y
Soil Temperature, Unit:		82 F			
Soil Moisture:	Mud	Adequate	Mud	Mud	Flood
% Cloud Cover:	0	100	75	0	0

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code:		ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 LF	4 LF	3 TIL	5 TIL
Stage Minimum, Percent:		2 LF	4 LF	2 TIL	4 TIL
Stage Maximum, Percent:		2 LF	4 LF	3 TIL	5 TIL
Height, Unit:		4 IN	8 IN	10 IN	14 IN
Height Minimum, Maximum:		3 4	7 8	9 11	12 16

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Pest Stage At Each Application

	A	B	C	D	E
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		1 LF	4 LF	7 LF	7 LF
Stage Minimum, Percent:		1 LF	3 LF	6 LF	6 LF
Stage Maximum, Percent:		1 LF	4 LF	7 LF	7 LF
Height, Unit:		1 IN	3 IN	5 IN	7 IN
Height Minimum, Maximum:		1 1	2 3	4 6	6 8
Density, Unit:		3 FT2	3 FT2	3 FT2	3 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		2 LF	9 LF	8 LF	
Stage Minimum, Percent:		2 LF	8 LF	7 LF	
Stage Maximum, Percent:		2 LF	10 LF	8 LF	
Height, Unit:		3 IN	10 IN	8 IN	
Height Minimum, Maximum:		3 3	8 12	7 9	
Density, Unit:		11 FT2	11 FT2	11 FT2	
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		1 LF	6 LF	6 LF	
Stage Minimum, Percent:		1 LF	4 LF	4 LF	
Stage Maximum, Percent:		1 LF	7 LF	7 LF	
Height, Unit:		2 IN	5 IN	5 IN	
Height Minimum, Maximum:		2 2	3 6	3 6	
Density, Unit:		3 FT2	3 FT2	3 FT2	
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		1 LF	6 LF	6 LF	
Stage Minimum, Percent:		1 LF	4 LF	4 LF	
Stage Maximum, Percent:		1 LF	7 LF	7 LF	
Height, Unit:		2 IN	5 IN	6 IN	
Height Minimum, Maximum:		2 2	3 6	6 3	
Density, Unit:		3 FT2	3 FT2	3 FT2	
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:		1 LF	6 LF	9 LF	
Stage Minimum, Percent:		1 LF	4 LF	8 LF	
Stage Maximum, Percent:		1 LF	7 LF	10 LF	
Height, Unit:		1 IN	4 IN	6 IN	
Height Minimum, Maximum:		1 1	3 5	5 7	
Density, Unit:		3 FT2	2 FT2	2 FT2	
Pest 6 Code, Disc., Scale:	PANRA W	PANRA W	PANRA W	PANRA W	PANRA W
Stage Majority, Percent:				5 LF	8 LF
Stage Minimum, Percent:				4 LF	7 LF
Stage Maximum, Percent:				5 LF	9 LF
Height, Unit:				5 IN	7 IN
Height Minimum, Maximum:				4 6	6 8
Density, Unit:				3 FT2	4 FT2

Application Equipment

	A	B	C	D	E
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	27 PSI	36 PSI	28 PSI	33 PSI	22 PSI
Nozzle Type:	AI	AI	AI	AI	TT
Nozzle Size:	110015VS	110015VS	110015VS	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3.5 MPH	3 MPH	3.5 MPH	2.5 MPH

Date	**By**	**Notes**
24-Jun-08	JAB	Control better in reps 3 and 4 due to deeper flood. Less PANRA in reps 3 and 4.

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type														W Weed
Pest Code														ECHCG
Rating Date								29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	29-May-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Injury	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								13 2	18 7	25 0	32 1	39 8	46 5	13 2
Trt-Eval Interval								13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D	13 DA-A
1	Nontreated							0 b	0 d	0 a	0 b	0 b	0 c	0 c
2	Command	3	ME	1.6	PT/A	DPRE	A	5 a	3 bc	0 a	0 b	0 b	0 c	95 a
	Facet	75	DF	0.67	LB/A	DPRE	A							
3	Command	3	ME	1.33	PT/A	DPRE	A	0 b	0 d	0 a	0 b	0 b	0 c	94 ab
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
4	Command	3	ME	1.33	PT/A	DPRE	A	3 ab	0 d	0 a	3 a	0 b	0 c	90 b
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
5	Command	3	ME	1.33	PT/A	DPRE	A	3 ab	3 bcd	0 a	0 b	0 b	0 c	95 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	0 b	0 d	0 a	1 b	0 b	0 c	93 ab
	Facet	75	DF	0.5	LB/A	DPRE	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
7	Command	3	ME	1	PT/A	DPRE	A	0 b	0 d	0 a	0 b	0 b	0 c	93 ab
	Regiment	80	WP	0.5	OZ/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
8	Command	3	ME	1	PT/A	DPRE	A	0 b	0 d	0 a	0 b	8 a	10 a	93 ab
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C							
	Agri-Dex		L	1	QT/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
9	SuperWham	4	SC	4	QT/A	EPOST	B		3 bcd	0 a	0 b	0 b	4 b	
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D							
10	Command	3	ME	1	PT/A	EPOST	B		0 d	0 a	0 b	0 b	0 c	
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
11	Command	3	ME	1	PT/A	EPOST	B		6 a	0 a	0 b	0 b	0 c	
	SuperWham	4	SC	4	QT/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D							
	Induce		L	4.8	FL OZ/A	LPOST ASN	D							

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type														W Weed
Pest Code														ECHCG
Rating Date								29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	29-May-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Injury	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								13 2	18 7	25 0	32 1	39 8	46 5	13 2
Trt-Eval Interval								13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D	13 DA-A
12	SuperWham	4	SC	3	QT/A	EPOST	B		0 d	0 a	0 b	0 b	0 c	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	SuperWham	4	SC	3	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
13	SuperWham	4	SC	3	QT/A	EPOST	B		1 cd	0 a	0 b	0 b	0 c	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Duet	4.03	SC	4	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E							
14	SuperWham	4	SC	4	QT/A	EPOST	B		5 ab	0 a	0 b	0 b	0 c	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	LPOST	D							
	Permit	75	WG	0.67	OZ/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
Standard Deviation								2.2	1.9	0.0	1.0	0.6	1.0	2.5
CV								176.57	125.89	0.0	388.5	116.3	101.22	3.03

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed ECHCG 3-Jun-08 Control % 18 7 7 DA-B	W Weed ECHCG 10-Jun-08 Control % 25 0 14 DA-B	W Weed ECHCG 17-Jun-08 Control % 32 1 7 DA-C	W Weed ECHCG 24-Jun-08 Control % 39 8 8 DA-D	W Weed ECHCG 1-Jul-08 Control % 46 5 15 DA-D	W Weed PANRA 3-Jun-08 Control % 18 7 7 DA-B	W Weed PANRA 10-Jun-08 Control % 25 0 14 DA-B
	Pest Type							W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
	Pest Code							ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	PANRA	PANRA
	Rating Date							3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	3-Jun-08	10-Jun-08
	Rating Data Type							Control	Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							18 7	25 0	32 1	39 8	46 5	18 7	25 0
	Trt-Eval Interval							7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D	7 DA-B	14 DA-B
1	Nontreated							0 c	0 c	0 f	0 e	0 c	0 d	0 h
2	Command	3	ME	1.6	PT/A	DPRE	A	98 a	90 ab	90 bc	89 c	88 b	98 a	78 c-f
	Facet	75	DF	0.67	LB/A	DPRE	A							
3	Command	3	ME	1.33	PT/A	DPRE	A	97 ab	89 ab	88 c	94 b	99 a	97 ab	73 d-g
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
4	Command	3	ME	1.33	PT/A	DPRE	A	95 b	90 ab	98 a	99 a	99 a	95 ab	83 bcd
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
5	Command	3	ME	1.33	PT/A	DPRE	A	97 ab	95 a	95 ab	95 ab	99 a	97 ab	93 ab
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	95 b	90 ab	90 bc	95 ab	99 a	95 ab	87 abc
	Facet	75	DF	0.5	LB/A	DPRE	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
7	Command	3	ME	1	PT/A	DPRE	A	95 b	91 ab	91 bc	95 ab	99 a	95 ab	84 bc
	Regiment	80	WP	0.5	OZ/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
8	Command	3	ME	1	PT/A	DPRE	A	95 b	87 b	90 bc	95 ab	96 a	95 ab	72 efg
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C							
	Agri-Dex		L	1	QT/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
9	SuperWham	4	SC	4	QT/A	EPOST	B	95 b	95 a	93 abc	95 ab	97 a	95 ab	80 cde
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D							
10	Command	3	ME	1	PT/A	EPOST	B	95 b	95 a	96 ab	98 ab	99 a	95 ab	95 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
11	Command	3	ME	1	PT/A	EPOST	B	95 b	95 a	95 ab	95 ab	99 a	93 b	87 abc
	SuperWham	4	SC	4	QT/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D							
	Induce		L	4.8	FL OZ/A	LPOST ASN	D							

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed ECHCG 3-Jun-08 Control % 18 7 7 DA-B	W Weed ECHCG 10-Jun-08 Control % 25 0 14 DA-B	W Weed ECHCG 17-Jun-08 Control % 32 1 7 DA-C	W Weed ECHCG 24-Jun-08 Control % 39 8 8 DA-D	W Weed ECHCG 1-Jul-08 Control % 46 5 15 DA-D	W Weed PANRA 3-Jun-08 Control % 18 7 7 DA-B	W Weed PANRA 10-Jun-08 Control % 25 0 14 DA-B
								8	9	10	11	12	13	14
12	SuperWham	4	SC	3	QT/A	EPOST	B	96 ab	85 b	70 e	80 d	96 a	96 ab	65 g
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	SuperWham	4	SC	3	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
13	SuperWham	4	SC	3	QT/A	EPOST	B	96 ab	85 b	73 e	80 d	99 a	95 ab	66 g
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Duet	4.03	SC	4	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E							
14	SuperWham	4	SC	4	QT/A	EPOST	B	95 b	87 b	80 d	77 d	98 a	88 c	68 fg
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	LPOST	D							
	Permit	75	WG	0.67	OZ/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
Standard Deviation								1.4	3.9	3.8	3.1	2.3	2.4	6.7
CV								1.58	4.67	4.64	3.63	2.51	2.68	9.11

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed PANRA 17-Jun-08 Control % 32 1 7 DA-C	W Weed PANRA 24-Jun-08 Control % 39 8 8 DA-D	W Weed PANRA 1-Jul-08 Control % 46 5 15 DA-D	W Weed SEBEX 29-May-08 Control % 13 2 13 DA-A	W Weed SEBEX 3-Jun-08 Control % 18 7 7 DA-B	W Weed SEBEX 10-Jun-08 Control % 25 0 14 DA-B	W Weed SEBEX 17-Jun-08 Control % 32 1 7 DA-C
								15	16	17	18	19	20	21
1	Nontreated							0 i	0 i	0 d	0 c	0 g	0 d	0 f
2	Command	3	ME	1.6	PT/A	DPRE	A	66 cde	73 ef	87 ab	41 a	53 e	74 b	74 de
	Facet	75	DF	0.67	LB/A	DPRE	A							
3	Command	3	ME	1.33	PT/A	DPRE	A	60 de	78 de	99 a	33 b	44 f	60 c	93 ab
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
4	Command	3	ME	1.33	PT/A	DPRE	A	98 a	98 a	99 a	0 c	0 g	0 d	96 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
5	Command	3	ME	1.33	PT/A	DPRE	A	60 de	78 de	99 a	0 c	88 bc	88 a	85 bc
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	75 cd	88 bc	99 a	35 ab	45 f	60 c	90 ab
	Facet	75	DF	0.5	LB/A	DPRE	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
7	Command	3	ME	1	PT/A	DPRE	A	83 abc	84 cd	92 ab	0 c	0 g	0 d	80 cd
	Regiment	80	WP	0.5	OZ/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
8	Command	3	ME	1	PT/A	DPRE	A	57 ef	75 ef	86 b	0 c	0 g	0 d	75 cde
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C							
	Agri-Dex		L	1	QT/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
9	SuperWham	4	SC	4	QT/A	EPOST	B	43 fg	65 gh	58 c		95 a	95 a	95 ab
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D							
10	Command	3	ME	1	PT/A	EPOST	B	95 ab	98 a	99 a		0 g	0 d	93 ab
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
11	Command	3	ME	1	PT/A	EPOST	B	80 bc	95 ab	99 a		83 cd	73 b	65 e
	SuperWham	4	SC	4	QT/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D							
	Induce		L	4.8	FL OZ/A	LPOST ASN	D							

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								PANRA	PANRA	PANRA	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								17-Jun-08	24-Jun-08	1-Jul-08	29-May-08	3-Jun-08	10-Jun-08	17-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								32 1	39 8	46 5	13 2	18 7	25 0	32 1
Trt-Eval Interval								7 DA-C	8 DA-D	15 DA-D	13 DA-A	7 DA-B	14 DA-B	7 DA-C
12	SuperWham	4	SC	3	QT/A	EPOST	B	25 h	68 fg	99 a		83 cd	70 bc	73 de
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	SuperWham	4	SC	3	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
13	SuperWham	4	SC	3	QT/A	EPOST	B	40 gh	69 fg	99 a		80 d	70 bc	70 de
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Duet	4.03	SC	4	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E							
14	SuperWham	4	SC	4	QT/A	EPOST	B	30 gh	60 h	88 ab		90 ab	85 a	78 cd
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	LPOST	D							
	Permit	75	WG	0.67	OZ/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
Standard Deviation								10.9	4.6	7.1	4.6	3.6	7.2	6.6
CV								18.85	6.32	8.27	33.56	7.65	14.87	8.61

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed SEBEX 24-Jun-08 Control % 39 8 8 DA-D 22	W Weed SEBEX 1-Jul-08 Control % 46 5 15 DA-D 23	W Weed IPOHE 29-May-08 Control % 13 2 13 DA-A 24	W Weed IPOHE 3-Jun-08 Control % 18 7 7 DA-B 25	W Weed IPOHE 10-Jun-08 Control % 25 0 14 DA-B 26	W Weed IPOHE 17-Jun-08 Control % 32 1 7 DA-C 27	W Weed IPOHE 24-Jun-08 Control % 39 8 8 DA-D 28
1	Nontreated							0 g	0 d	0 d	0 d	0 e	0 d	0 h
2	Command	3	ME	1.6	PT/A	DPRE	A	74 f	76 c	94 a	94 a	94 a	95 a	95 bcd
	Facet	75	DF	0.67	LB/A	DPRE	A							
3	Command	3	ME	1.33	PT/A	DPRE	A	96 abc	99 a	83 c	81 c	80 bc	95 a	96 abc
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
4	Command	3	ME	1.33	PT/A	DPRE	A	96 abc	99 a	0 d	0 d	0 e	98 a	96 abc
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
5	Command	3	ME	1.33	PT/A	DPRE	A	88 d	92 b	0 d	93 ab	95 a	95 a	95 bcd
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	98 ab	96 ab	87 b	87 bc	82 b	95 a	99 a
	Facet	75	DF	0.5	LB/A	DPRE	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
7	Command	3	ME	1	PT/A	DPRE	A	95 abc	98 a	0 d	0 d	0 e	70 bc	79 g
	Regiment	80	WP	0.5	OZ/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
8	Command	3	ME	1	PT/A	DPRE	A	82 e	80 c	0 d	0 d	0 e	67 bc	83 f
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C							
	Agri-Dex		L	1	QT/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
9	SuperWham	4	SC	4	QT/A	EPOST	B	99 a	99 a		95 a	95 a	95 a	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D							
10	Command	3	ME	1	PT/A	EPOST	B	98 ab	99 a		0 d	0 e	95 a	98 ab
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
11	Command	3	ME	1	PT/A	EPOST	B	88 d	99 a		82 c	73 cd	72 bc	92 de
	SuperWham	4	SC	4	QT/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D							
	Induce		L	4.8	FL OZ/A	LPOST ASN	D							

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	IPOHE	IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								24-Jun-08	1-Jul-08	29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								39 8	46 5	13 2	18 7	25 0	32 1	39 8
Trt-Eval Interval								8 DA-D	15 DA-D	13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
12	SuperWham	4	SC	3	QT/A	EPOST	B	92 bcd	99 a		85 c	72 d	62 c	90 e
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	SuperWham	4	SC	3	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
13	SuperWham	4	SC	3	QT/A	EPOST	B	94 a-d	99 a		80 c	79 bcd	64 c	94 cd
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Duet	4.03	SC	4	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E							
14	SuperWham	4	SC	4	QT/A	EPOST	B	90 cd	99 a		87 bc	92 a	78 b	95 bcd
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	LPOST	D							
	Permit	75	WG	0.67	OZ/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
Standard Deviation								3.9	3.3	2.8	4.1	4.8	8.0	2.3
CV								4.61	3.77	8.38	7.36	8.89	10.42	2.65

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32	33	34	35
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA
Rating Date								1-Jul-08	29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								46 5	13 2	18 7	25 0	32 1	39 8	46 5
Trt-Eval Interval								15 DA-D	13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D
1	Nontreated							0 d	0 d	0 e	0 f	0 d	0 e	0 d
2	Command	3	ME	1.6	PT/A	DPRE	A	96 b	94 a	94 a	95 a	95 a	95 ab	96 ab
	Facet	75	DF	0.67	LB/A	DPRE	A							
3	Command	3	ME	1.33	PT/A	DPRE	A	99 a	85 c	88 abc	80 cd	95 a	96 ab	99 a
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
4	Command	3	ME	1.33	PT/A	DPRE	A	99 a	0 d	0 e	0 f	97 a	98 ab	99 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
5	Command	3	ME	1.33	PT/A	DPRE	A	99 a	0 d	93 a	95 a	95 a	95 ab	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	99 a	88 b	85 bcd	82 bc	95 a	99 a	99 a
	Facet	75	DF	0.5	LB/A	DPRE	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
7	Command	3	ME	1	PT/A	DPRE	A	97 ab	0 d	0 e	0 f	69 bc	74 d	85 c
	Regiment	80	WP	0.5	OZ/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
8	Command	3	ME	1	PT/A	DPRE	A	93 c	0 d	0 e	0 f	67 bc	83 c	93 b
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C							
	Agri-Dex		L	1	QT/A	MPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	1	QT/A	PTFLD ASN	E							
9	SuperWham	4	SC	4	QT/A	EPOST	B	99 a		95 a	95 a	95 a	99 a	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D							
10	Command	3	ME	1	PT/A	EPOST	B	99 a		0 e	0 f	93 a	98 a	99 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Permit	75	WG	0.75	OZ/A	MPOST	C							
	Induce		L	4.8	FL OZ/A	MPOST	C							
11	Command	3	ME	1	PT/A	EPOST	B	99 a		82 cd	73 de	72 bc	92 b	99 a
	SuperWham	4	SC	4	QT/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D							
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D							
	Induce		L	4.8	FL OZ/A	LPOST ASN	D							

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32	33	34	35
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA
Rating Date								1-Jul-08	29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								46 5	13 2	18 7	25 0	32 1	39 8	46 5
Trt-Eval Interval								15 DA-D	13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D
12	SuperWham	4	SC	3	QT/A	EPOST	B	99 a		82 cd	72 e	62 c	85 c	94 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	SuperWham	4	SC	3	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
13	SuperWham	4	SC	3	QT/A	EPOST	B	99 a		79 d	79 cde	64 c	94 ab	99 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Duet	4.03	SC	4	QT/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E							
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E							
14	SuperWham	4	SC	4	QT/A	EPOST	B	99 a		90 ab	88 ab	78 b	93 ab	99 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	LPOST	D							
	Permit	75	WG	0.67	OZ/A	LPOST	D							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D							
Standard Deviation								1.6	2.0	4.7	4.7	8.2	3.7	2.9
CV								1.72	5.92	8.35	8.62	10.62	4.29	3.24

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 29-May-08 Control % 13 2 13 DA-A 36	W Weed AMAPA 3-Jun-08 Control % 18 7 7 DA-B 37	W Weed AMAPA 10-Jun-08 Control % 25 0 14 DA-B 38	W Weed AMAPA 17-Jun-08 Control % 32 1 7 DA-C 39	W Weed AMAPA 24-Jun-08 Control % 39 8 8 DA-D 40	W Weed AMAPA 1-Jul-08 Control % 46 5 15 DA-D 41
1	Nontreated							0 c	0 d	0 e	0 e	0 f	0 f
2	Command	3	ME	1.6	PT/A	DPRE	A	40 a	40 bc	50 cd	54 bcd	59 cde	74 de
	Facet	75	DF	0.67	LB/A	DPRE	A						
3	Command	3	ME	1.33	PT/A	DPRE	A	25 b	31 c	35 d	59 bc	66 c	87 abc
	Facet	75	DF	0.5	LB/A	DPRE	A						
	Aim	2	EC	1	FL OZ/A	MPOST	C						
	Permit	75	WG	0.75	OZ/A	MPOST	C						
	Induce		L	4.8	FL OZ/A	MPOST	C						
4	Command	3	ME	1.33	PT/A	DPRE	A	0 c	0 d	0 e	97 a	98 a	99 a
	SuperWham	4	SC	4	QT/A	MPOST	C						
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
5	Command	3	ME	1.33	PT/A	DPRE	A	0 c	93 a	95 a	83 a	88 ab	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	27 b	50 b	67 bc	90 a	93 a	99 a
	Facet	75	DF	0.5	LB/A	DPRE	B						
	Aim	2	EC	1	FL OZ/A	MPOST	C						
	Permit	75	WG	0.75	OZ/A	MPOST	C						
	Induce		L	4.8	FL OZ/A	MPOST	C						
7	Command	3	ME	1	PT/A	DPRE	A	0 c	0 d	0 e	48 cd	55 de	78 cde
	Regiment	80	WP	0.5	OZ/A	MPOST	C						
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
8	Command	3	ME	1	PT/A	DPRE	A	0 c	0 d	0 e	42 d	53 e	67 e
	Grasp	2	SC	2.5	FL OZ/A	MPOST	C						
	Agri-Dex		L	1	QT/A	MPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
9	SuperWham	4	SC	4	QT/A	EPOST	B		95 a	95 a	90 a	97 a	95 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D						
	Agri-Dex		L	19.2	FL OZ/A	LPOST ASN	D						
10	Command	3	ME	1	PT/A	EPOST	B		0 d	0 e	67 b	65 cd	81 bcd
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	MPOST	C						
	Permit	75	WG	0.75	OZ/A	MPOST	C						
	Induce		L	4.8	FL OZ/A	MPOST	C						
11	Command	3	ME	1	PT/A	EPOST	B		83 a	65 bc	65 b	92 a	99 a
	SuperWham	4	SC	4	QT/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.75	OZ/A	LPOST ASN	D						
	Induce		L	4.8	FL OZ/A	LPOST ASN	D						

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 08-HR-26
Location: DREC

Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								AMAPA	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA
Rating Date								29-May-08	3-Jun-08	10-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								13 2	18 7	25 0	32 1	39 8	46 5
Trt-Eval Interval								13 DA-A	7 DA-B	14 DA-B	7 DA-C	8 DA-D	15 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	36	37	38	39	40	41
12	SuperWham	4	SC	3	QT/A	EPOST	B		83 a	63 bc	58 bc	87 ab	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	SuperWham	4	SC	3	QT/A	LPOST	D						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D						
13	SuperWham	4	SC	3	QT/A	EPOST	B		84 a	53 c	53 bcd	90 ab	99 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Duet	4.03	SC	4	QT/A	LPOST	D						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	19.2	FL OZ/A	PTFLD ASN	E						
14	SuperWham	4	SC	4	QT/A	EPOST	B		92 a	70 b	68 b	80 b	93 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Facet	75	DF	0.5	LB/A	LPOST	D						
	Permit	75	WG	0.67	OZ/A	LPOST	D						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	D						
Standard Deviation								4.8	7.7	10.8	9.8	6.8	7.6
CV								42.11	16.56	25.53	15.66	9.38	9.13

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath and Beyond Weed Control Programs

Trial ID: 08-HR-29
Location: DREC - Red Rice Field

Objectives:
Evaluate control of red rice and other weeds in a planned Newpath/Beyond program.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 21-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 79 F
Soil Moisture: Adequate

Pest Description
Pest 1 Type: W **Code:** ORYSA Oryza sativa
Common Name: Red rice

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	21-May-08	Roundup Weathermax	5.5	SL	32	FL OZ/A	Y
2.	21-May-08	Command	3	ME	1.33	PT/A	Y
3.	12-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
4.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
5.	12-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
6.	12-Jun-08	Agri-Dex		L	1	%v/v	Y
7.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
8.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Apr 2008
Triple K, Apr 2008
Triple K, 21-May-2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 3 **Unit:** MI

	Date	Type
1.	6-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Newpath and Beyond Weed Control Programs

Trial ID: 08-HR-29
Location: DREC - Red Rice Field

Application Description

	A	B	C	D
Application Date:	2-Jun-08	10-Jun-08	17-Jun-08	14-Jul-08
Time of Day:	8:00 am	2:30 pm	7:00 am	10:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	MPOST	3 d PRFLD	PI+14
Application Placement:	Foliar	Foliar	Foliar	Foliar
Applied By:	LCV	LCV	LCV	LCV, JKM
Air Temperature, Unit:	77 F	84 F	78 F	83 F
% Relative Humidity:	79	88	85	80
Wind Velocity, Unit:	0 MPH	0 MPH	0 MPH	0 MPH
Dew Presence (Y/N):	Y	N	Y	N
Soil Temperature, Unit:	82 F			
Soil Moisture:	Adequate	Adequate	Adequate	Flood
% Cloud Cover:	0	50	0	0

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 LF	4 LF	1 TIL	E Boot
Stage Minimum, Percent:	2 LF	3 LF	1 TIL	E Boot
Stage Maximum, Percent:	2 LF	4 LF	1 TIL	E Boot
Height, Unit:	5 IN	7 IN	8 IN	31 IN
Height Minimum, Maximum:	4 5	6 8	8 9	30 32

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	ORYSA W	ORYSA W	ORYSA W	ORYSA W
Stage Majority, Percent:	3 LF	3 LF	4 LF	NONE
Stage Minimum, Percent:	2 LF	2 LF	4 LF	
Stage Maximum, Percent:	3 LF	3 LF	1 TIL	
Height, Unit:	5 IN	5 IN	7 IN	
Height Minimum, Maximum:	4 6	4 6	6 6	
Density, Unit:	2 FT2	2 FT2	8 FT2	

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 Backpack	CO2 Backpack		CO2 Backpack
Operating Pressure, Unit:	36 PSI	36 PSI	33 PSI	22 PSI
Nozzle Type:	AI	AI	AI	TT
Nozzle Size:	110015VS	110015VS	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3.5 MPH	2.5 MPH

Date	**By**	**Notes**
29-Sep-08	JAB	Trial was not harvested due to severe sheath blight infection.

Mississippi State University - DREC
Newpath and Beyond Weed Control Programs

Trial ID: 08-HR-29
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type														W Weed
Pest Code														ORYSA
Rating Date								12-Jun-08	17-Jun-08	24-Jun-08	2-Jul-08	14-Jul-08	28-Jul-08	12-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Injury	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								10 2	15 0	22 7	30 15	42 0	56 14	10 2
Trt-Eval Interval								10 DA-A	7 DA-B	7 DA-C	15 DA-C	27 DA-C	14 DA-D	10 DA-A
1	Nontreated							0 a	0 a	0 a	0 a	0 a	0 a	0 b
2	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	69 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4.0	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	69 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Beyond	1	SL	5	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	66 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
5	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	73 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D							
6	Beyond	1	SL	5	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	66 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Beyond	1	SL	5	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Beyond	1	SL	5	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	70 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Beyond	1	SL	5	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D							
8	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a	70 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4.0	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D							
Standard Deviation								0.0	0.0	0.0	0.0	0.0	0.0	7.7
CV								0.0	0.0	0.0	0.0	0.0	0.0	12.78

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath and Beyond Weed Control Programs

Trial ID: 08-HR-29
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed ORYSA 17-Jun-08 Control % 15 0 7 DA-B 8	W Weed ORYSA 24-Jun-08 Control % 22 7 7 DA-C 9	W Weed ORYSA 2-Jul-08 Control % 30 15 15 DA-C 10	W Weed ORYSA 14-Jul-08 Control % 42 0 27 DA-C 11	W Weed ORYSA 28-Jul-08 Control % 56 14 14 DA-D 12
1	Nontreated							0 c	0 b	0 b	0 b	0 b
2	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	75 b	89 a	93 a	96 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4.0	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
3	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	78 ab	91 a	95 a	96 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Beyond	1	SL	5	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
4	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	74 b	91 a	95 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C					
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C					
5	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	84 a	94 a	95 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C					
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C					
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D					
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D					
6	Beyond	1	SL	5	FL OZ/A	EPOST	A	78 ab	90 a	95 a	96 a	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Beyond	1	SL	5	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
7	Beyond	1	SL	5	FL OZ/A	EPOST	A	81 ab	95 a	95 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Beyond	1	SL	5	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D					
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D					
8	Newpath	2	AS	4.0	FL OZ/A	EPOST	A	78 ab	89 a	95 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4.0	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D					
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	D					
Standard Deviation								4.6	4.2	1.8	2.1	3.0
CV								6.71	5.32	2.13	2.44	3.58

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Objectives:
Evaluate tank-mixtures of Ricestar HT and broadleaf herbicides with and without ammonium sulfate.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** PANRA Urochloa ramosa
Common Name: Browntop millet

Pest 3 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 6 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Application Description

	A
Application Date:	9-Jun-08
Time of Day:	5:30 am
Application Method:	Broadcast
Application Timing:	MPOST
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	77 F
% Relative Humidity:	84
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Soil Moisture:	Adequate
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	1 TIL
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	1 TIL
Height, Unit:	8 IN
Height Minimum, Maximum:	7 8

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	4 LF
Stage Minimum, Percent:	3 LF
Stage Maximum, Percent:	5 LF
Height, Unit:	3 IN
Height Minimum, Maximum:	2 3
Density, Unit:	3 FT2
Pest 2 Code, Disc., Scale:	PANRA W
Stage Majority, Percent:	4 LF
Stage Minimum, Percent:	3 LF
Stage Maximum, Percent:	4 LF
Height, Unit:	3 IN
Height Minimum, Maximum:	2 3
Density, Unit:	3 FT2
Pest 3 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	8 LF
Stage Minimum, Percent:	7 LF
Stage Maximum, Percent:	8 LF
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10
Density, Unit:	11 FT2
Pest 4 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	7 LF
Height, Unit:	5 IN
Height Minimum, Maximum:	3 6
Density, Unit:	3 FT2
Pest 5 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	7 LF
Height, Unit:	5 IN
Height Minimum, Maximum:	3 6
Density, Unit:	3 FT2
Pest 6 Code, Disc., Scale:	AMAPA W
Stage Majority, Percent:	9 LF
Stage Minimum, Percent:	7 LF
Stage Maximum, Percent:	9 LF
Height, Unit:	4 IN
Height Minimum, Maximum:	3 5
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	33 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
16-Jun-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant.
16-Jun-08	JAB	Coverage was poor on IPOHE, IPOLA, ECHGC, PANRA, and AMAPA due to height of SEBEX.
23-Jun-08	JAB	Control better in reps 3 and 4 due to deeper flood and less grass.

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type													W Weed	W Weed
Pest Code													ECHCG	ECHCG
Rating Date								16-Jun-08	23-Jun-08	2-Jul-08	7-Jul-08	16-Jul-08	16-Jun-08	23-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	23 23	28 28	37 37	7 7	14 14
Trt-Eval Interval								7 DA-A	14 DA-A	23 DA-A	28 DA-A	37 DA-A	7 DA-A	14 DA-A
1	Nontreated							0 a	0 a	0 d	0 b	0 a	0 e	0 d
2	SuperWham	4	SC	4	QT/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	85 a	86 abc
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Permit	75	WG	0.75	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	60 cd	90 ab
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	61 bcd	93 a
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	3 bc	0 b	0 a	65 bcd	91 ab
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	1 cd	0 b	0 a	65 bcd	93 a
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
7	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	8 a	3 a	0 a	65 bcd	85 abc
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
8	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	5 b	0 b	0 a	66 bcd	85 abc
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
9	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	60 cd	85 abc
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
10	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	1 cd	0 b	0 a	59 d	84 abc
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
11	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	59 d	78 c
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
12	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	59 d	81 bc
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
13	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	64 bcd	86 abc
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
14	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	65 bcd	86 abc
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
15	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	68 bc	93 a
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
16	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 a	0 a	0 d	0 b	0 a	69 b	93 a
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
Standard Deviation								0.0	0.0	1.4	1.0	0.0	5.0	6.2
CV								0.0	0.0	131.5	485.86	0.0	8.2	7.64

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	ECHCG	ECHCG	PANRA	PANRA	PANRA	PANRA
Rating Date								2-Jul-08	7-Jul-08	16-Jul-08	16-Jun-08	23-Jun-08	2-Jul-08	7-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								23 23	28 28	37 37	7 7	14 14	23 23	28 28
Trt-Eval Interval								23 DA-A	28 DA-A	37 DA-A	7 DA-A	14 DA-A	23 DA-A	28 DA-A
1	Nontreated							0 f	0 f	0 f	0 e	0 f	0 f	0 i
2	SuperWham	4	SC	4	QT/A	MPOST	A	92 ab	96 a	85 ab	88 a	89 ab	90 abc	97 a
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Permit	75	WG	0.75	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 a	95 a	85 ab	59 bc	90 ab	94 a	93 abc
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 a	96 a	91 a	60 b	93 a	94 a	96 ab
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	85 cde	85 bcd	68 de	55 bcd	69 cde	80 b-e	86 d-g
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	90 abc	88 abc	85 ab	58 bc	70 cde	89 a-d	93 a-d
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
7	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	81 e	79 de	73 cd	55 bcd	70 cde	79 cde	85 efg
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
8	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	89 a-d	88 abc	79 bc	56 bcd	69 cde	88 a-d	88 c-g
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
9	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	85 cde	80 cde	76 bcd	55 bcd	71 cd	88 a-d	86 d-g
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
10	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	91 abc	91 ab	78 bcd	53 cd	75 cd	90 abc	89 c-f
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
11	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	83 de	75 e	60 e	50 d	66 de	78 de	81 gh
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
12	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	86 b-e	78 de	59 e	55 bcd	66 de	80 b-e	83 fgh
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
13	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 a	90 ab	84 ab	59 bc	71 cd	90 abc	90 b-e
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
14	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	93 ab	89 ab	79 bc	58 bc	80 bc	91 ab	94 abc
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
15	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	90 abc	88 abc	83 abc	55 bcd	59 e	70 e	78 h
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
16	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	93 ab	93 ab	86 ab	56 bcd	66 de	86 a-d	91 a-e
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
Standard Deviation								4.1	5.0	6.5	4.3	7.1	6.9	4.2
CV								4.95	6.06	8.94	7.98	10.28	8.63	5.07

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE	IPOHE
Rating Date								16-Jun-08	23-Jun-08	2-Jul-08	7-Jul-08	16-Jun-08	23-Jun-08	2-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	23 23	28 28	7 7	14 14	23 23
Trt-Eval Interval								7 DA-A	14 DA-A	23 DA-A	28 DA-A	7 DA-A	14 DA-A	23 DA-A
1	Nontreated							0 f	0 f	0 e	0 d	0 f	0 e	0 e
2	SuperWham	4	SC	4	QT/A	MPOST	A	96 a	98 a	99 a	98 a	97 a	98 a	99 a
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Permit	75	WG	0.75	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 f	0 f	0 e	0 d	0 f	0 e	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 f	0 f	0 e	0 d	0 f	0 e	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	88 abc	94 b	96 ab	95 ab	69 cd	74 d	95 abc
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	80 cd	93 b	96 ab	95 ab	66 cd	73 d	95 abc
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
7	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	91 ab	86 d	91 c	86 c	78 b	81 c	93 c
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
8	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	91 ab	91 bc	94 bc	89 bc	69 cd	73 d	94 bc
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
9	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	81 bcd	93 b	95 abc	95 ab	65 d	73 d	95 abc
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
10	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	84 bcd	93 b	96 ab	95 ab	69 cd	80 c	96 abc
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
11	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	49 e	69 e	79 d	91 bc	49 e	69 d	86 d
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
12	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	49 e	70 e	79 d	89 bc	46 e	73 d	88 d
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
13	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 a	97 a	92 bc	86 c	96 a	98 a	98 ab
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
14	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	97 a	98 a	98 a	95 ab	97 a	98 a	97 abc
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
15	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	76 d	88 d	96 ab	93 ab	74 bc	91 b	95 abc
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
16	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	78 cd	89 cd	98 a	95 ab	78 b	89 b	95 abc
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
Standard Deviation								6.5	2.2	2.6	3.8	5.4	4.3	2.6
CV								9.85	3.07	3.38	5.06	9.1	6.45	3.34

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 08-HR-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOLA	IPOLA	IPOLA	AMAPA	AMAPA	AMAPA
Rating Date								7-Jul-08	16-Jun-08	23-Jun-08	2-Jul-08	16-Jun-08	23-Jun-08	7-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								28 28	7 7	14 14	23 23	7 7	14 14	28 28
Trt-Eval Interval								28 DA-A	7 DA-A	14 DA-A	23 DA-A	7 DA-A	14 DA-A	28 DA-A
1	Nontreated							0 d	0 f	0 e	0 e	0 g	0 g	0 e
2	SuperWham	4	SC	4	QT/A	MPOST	A	98 a	97 a	98 a	99 a	83 a	83 a	98 a
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Permit	75	WG	0.75	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 d	0 f	0 e	0 e	0 g	0 g	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 d	0 f	0 e	0 e	0 g	0 g	0 e
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	69 cd	73 d	92 bcd	38 def	39 c-f	84 bc
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	66 cd	71 d	90 cd	49 cd	50 c	85 b
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
7	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	89 c	74 bc	74 d	90 cd	39 def	41 c-f	74 d
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
8	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	90 c	68 cd	71 d	89 d	36 def	40 c-f	78 d
	Grasp	2	SC	2.3	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
9	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	64 d	71 d	90 cd	28 f	30 f	74 d
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
10	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	66 cd	80 c	96 abc	31 ef	33 ef	79 cd
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
11	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	94 b	49 e	69 d	86 d	33 ef	36 def	74 d
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
12	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	94 b	46 e	73 d	88 d	38 def	40 c-f	76 d
	Strada	50	WG	2.1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
13	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	96 ab	96 a	98 a	98 ab	65 b	66 b	84 bc
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
14	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	96 ab	97 a	98 a	99 a	60 bc	64 b	86 b
	Aim	2	EC	1	FL OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
15	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	73 bc	91 b	99 a	43 de	45 cde	88 b
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
16	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	95 ab	78 b	89 b	99 a	43 de	48 cd	88 b
	Facet	75	DF	0.5	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	A							
	Ammonium sulfate		SG	2	LB/A	MPOST	A							
Standard Deviation								2.0	5.2	4.2	4.0	8.5	7.8	3.8
CV								2.58	8.85	6.34	5.23	23.25	20.31	5.69

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Objectives:
Determine the effectiveness of Strada as a component of a Clearfield rice weed control program.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Application Description

	A	B	C	D
Application Date:	13-May-08	26-May-08	16-Jun-08	3-Jul-08
Time of Day:	5:00 pm	7:00 am	6:30 am	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	VEPOST	3dPRFLD	PI+14d
Application Placement:	Soil	Foliar	Foliar	Foliar
Applied By:	JAB	JAB, RCB	LCV	LCV, JKM
Air Temperature, Unit:	75 F	81 F	81 F	76 F
% Relative Humidity:	47	88	87	78
Wind Velocity, Unit:	11 MPH	2.5 MPH	0 MPH	0 MPH
Wind Direction:	SE	S		
Dew Presence (Y/N):	N	Y	Y	Y
Soil Temperature, Unit:	81 F	83 F		
Soil Moisture:	Dry	Mud	Mud	Flood
% Cloud Cover:	100	30	0	0

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code:		ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 LF	3 TIL	PD
Stage Minimum, Percent:		2 LF	2 TIL	PD
Stage Maximum, Percent:		2 LF	3 TIL	PD
Height, Unit:		4 IN	10 IN	19 IN
Height Minimum, Maximum:		3 4	9 11	18 20

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		2 LF	3 LF	
Stage Minimum, Percent:		2 LF	2 LF	
Stage Maximum, Percent:		2 LF	3 LF	
Height, Unit:		1 IN	2 IN	
Height Minimum, Maximum:		1 1	2 2	
Density, Unit:		3 FT2	3 FT2	
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		2 LF	20 LF	28 LF
Stage Minimum, Percent:		2 LF	20 LF	25 LF
Stage Maximum, Percent:		2 LF	20 LF	30 LF
Height, Unit:		3 IN	20 IN	44 IN
Height Minimum, Maximum:		3 3	15 24	40 48
Density, Unit:		14 FT2	14 FT2	14 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		1 LF	10 LF	7 LF
Stage Minimum, Percent:		1 LF	7 LF	6 LF
Stage Maximum, Percent:		1 LF	12 LF	7 LF
Height, Unit:		2 IN	8 IN	5 IN
Height Minimum, Maximum:		2 2	6 9	4 6
Density, Unit:		4 FT2	3 FT2	3 FT2
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		1 LF	10 LF	7 LF
Stage Minimum, Percent:		1 LF	7 LF	6 LF
Stage Maximum, Percent:		1 LF	12 LF	7 LF
Height, Unit:		2 IN	7.5 IN	5 IN
Height Minimum, Maximum:		2 2	6 9	4 6
Density, Unit:		4 FT2	3 FT2	3 FT2
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:		1 LF	9 LF	
Stage Minimum, Percent:		1 LF	8 LF	
Stage Maximum, Percent:		1 LF	10 LF	
Height, Unit:		1 IN	8 IN	
Height Minimum, Maximum:		1 1	6 9	
Density, Unit:		3 FT2	2 FT2	

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	36 PSI	33 PSI	22 PSI
Nozzle Type:	AI	AI	AI	TT
Nozzle Size:	110015VS	110015VS	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3.5 MPH	2.5 MPH

Date	By	Notes
13-May-08	JAB	Sprayed PRE with blockers
9-Jun-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant
30-Jun-08	JAB	Flood killed IPOGG and starting to kill AMAPA.

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG
Rating Date								9-Jun-08	23-Jun-08	30-Jun-08	14-Jul-08	9-Jun-08	23-Jun-08	30-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								27 14	41 7	48 14	62 11	27 14	41 7	48 14
Trt-Eval Interval								14 DA-B	7 DA-C	14 DA-C	28 DA-C	14 DA-B	7 DA-C	14 DA-C
1	Nontreated							0 a	0 a	0 a	0 a	0 b	0 c	0 b
2	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	95 ab	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
3	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	94 a	94 b	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
4	Clearpath	75	DF	0.5	LB/A	VEPOST	B	0 a	0 a	0 a	0 a	94 a	97 a	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
5	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	97 ab	98 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	SuperWham	4	SC	3	QT/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
6	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	94 b	98 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	IRPROP	61.25	DF	8.2	LB/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
7	Command	3	ME	0.67	PT/A	PRE	A	0 a	0 a	0 a	0 a	95 a	97 ab	98 a
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
8	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	95 ab	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Grandstand R	3	SL	11	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
9	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	94 b	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	95 ab	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Strada	50	WG	2.1	OZ/A	PI + 14 d	D							
	Induce		L	4.8	FL OZ/A	PI + 14 d	D							
Standard Deviation								0.0	0.0	0.0	0.0	1.1	2.0	0.9
CV								0.0	0.0	0.0	0.0	1.34	2.3	1.06

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed ECHCG 14-Jul-08 Control % 62 11 28 DA-C 8	W Weed SEBEX 9-Jun-08 Control % 27 14 14 DA-B 9	W Weed SEBEX 23-Jun-08 Control % 41 7 7 DA-C 10	W Weed SEBEX 30-Jun-08 Control % 48 14 14 DA-C 11	W Weed SEBEX 14-Jul-08 Control % 62 11 28 DA-C 12	W Weed IPOHE 9-Jun-08 Control % 27 14 14 DA-B 13	W Weed IPOHE 23-Jun-08 Control % 41 7 7 DA-C 14
1	Nontreated							0 c	0 b	0 e	0 e	0 d	0 d	0 f
2	Newpath	2	AS	4	FL OZ/A	VEPOST	B	95 b	0 b	16 d	8 e	5 d	54 c	70 e
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
3	Newpath	2	AS	4	FL OZ/A	VEPOST	B	95 b	0 b	45 c	59 b	70 b	56 bc	79 c
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
4	Clearpath	75	DF	0.5	LB/A	VEPOST	B	98 a	71 a	78 b	91 a	98 a	88 a	95 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
5	Newpath	2	AS	4	FL OZ/A	VEPOST	B	98 a	0 b	90 a	98 a	98 a	61 bc	90 ab
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	SuperWham	4	SC	3	QT/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
6	Newpath	2	AS	4	FL OZ/A	VEPOST	B	95 b	0 b	38 c	40 c	38 c	64 b	78 c
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	IRPROP	61.25	DF	8.2	LB/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
7	Command	3	ME	0.67	PT/A	PRE	A	95 b	0 b	43 c	51 b	66 b	60 bc	76 cd
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
8	Newpath	2	AS	4	FL OZ/A	VEPOST	B	98 a	0 b	85 a	95 a	98 a	59 bc	89 b
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Grandstand R	3	SL	11	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
9	Newpath	2	AS	4	FL OZ/A	VEPOST	B	95 b	0 b	43 c	60 b	73 b	60 bc	79 c
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	95 b	0 b	15 d	19 d	40 c	55 c	71 de
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Strada	50	WG	2.1	OZ/A	PI + 14 d	D							
	Induce		L	4.8	FL OZ/A	PI + 14 d	D							
Standard Deviation								0.0	1.5	4.9	6.4	6.2	5.2	3.8
CV								0.0	21.25	10.76	12.39	10.64	9.26	5.25

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	IPOLA	AMAPA
Rating Date								30-Jun-08	14-Jul-08	9-Jun-08	23-Jun-08	30-Jun-08	14-Jul-08	9-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								48 14	62 11	27 14	41 7	48 14	62 11	27 14
Trt-Eval Interval								14 DA-C	28 DA-C	14 DA-B	7 DA-C	14 DA-C	28 DA-C	14 DA-B
1	Nontreated							0 d	0 e	0 c	0 f	0 d	0 e	0 d
2	Newpath	2	AS	4	FL OZ/A	VEPOST	B	68 c	68 d	55 b	70 e	69 c	68 d	16 b
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
3	Newpath	2	AS	4	FL OZ/A	VEPOST	B	90 b	89 b	59 b	79 c	90 ab	89 b	13 bc
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
4	Clearpath	75	DF	0.5	LB/A	VEPOST	B	98 a	98 a	85 a	95 a	98 a	98 a	68 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
5	Newpath	2	AS	4	FL OZ/A	VEPOST	B	98 a	98 a	61 b	90 ab	98 a	98 a	16 b
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	SuperWham	4	SC	3	QT/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
6	Newpath	2	AS	4	FL OZ/A	VEPOST	B	91 b	80 c	61 b	78 c	88 b	78 c	13 bc
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	IRPROP	61.25	DF	8.2	LB/A	3 d PRFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C							
7	Command	3	ME	0.67	PT/A	PRE	A	90 b	88 b	63 b	76 cd	90 ab	88 b	13 bc
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
8	Newpath	2	AS	4	FL OZ/A	VEPOST	B	98 a	98 a	60 b	89 b	98 a	98 a	15 bc
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Grandstand R	3	SL	11	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
9	Newpath	2	AS	4	FL OZ/A	VEPOST	B	91 b	90 b	61 b	79 c	89 b	90 b	6 cd
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C							
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	86 b	75 c	64 b	71 de	86 b	73 cd	9 bcd
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C							
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C							
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D							
	Strada	50	WG	2.1	OZ/A	PI + 14 d	D							
	Induce		L	4.8	FL OZ/A	PI + 14 d	D							
Standard Deviation								4.0	4.8	6.2	3.8	5.2	4.4	5.9
CV								4.89	6.18	10.9	5.25	6.43	5.63	35.09

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Programs in Clearfield Rice

Trial ID: 08-HR-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 23-Jun-08 Control % 41 7 7 DA-C 22	W Weed AMAPA 30-Jun-08 Control % 48 14 14 DA-C 23	W Weed AMAPA 14-Jul-08 Control % 62 11 28 DA-C 24
1	Nontreated							0 g	0 c	0 d
2	Newpath	2	AS	4	FL OZ/A	VEPOST	B	31 f	14 c	0 d
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
3	Newpath	2	AS	4	FL OZ/A	VEPOST	B	50 cd	73 b	78 b
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
4	Clearpath	75	DF	0.5	LB/A	VEPOST	B	69 ab	97 a	98 a
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
5	Newpath	2	AS	4	FL OZ/A	VEPOST	B	84 a	98 a	98 a
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	SuperWham	4	SC	3	QT/A	3 d PRFLD	C			
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C			
6	Newpath	2	AS	4	FL OZ/A	VEPOST	B	46 def	61 b	74 bc
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	IRPROP	61.25	DF	8.2	LB/A	3 d PRFLD	C			
	Agri-Dex		L	19.2	FL OZ/A	3 d PRFLD	C			
7	Command	3	ME	0.67	PT/A	PRE	A	64 bc	58 b	78 b
	Newpath	2	AS	4	FL OZ/A	VEPOST	B			
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
8	Newpath	2	AS	4	FL OZ/A	VEPOST	B	80 a	95 a	98 a
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	Grandstand R	3	SL	11	FL OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
9	Newpath	2	AS	4	FL OZ/A	VEPOST	B	49 cde	69 b	78 b
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Beyond	1	SL	5	FL OZ/A	3 d PRFLD	C			
	Strada	50	WG	2.1	OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	34 ef	15 c	69 c
	Induce		L	4.8	FL OZ/A	VEPOST	B			
	Newpath	2	AS	4	FL OZ/A	3 d PRFLD	C			
	Induce		L	4.8	FL OZ/A	3 d PRFLD	C			
	Beyond	1	SL	5	FL OZ/A	PI + 14 d	D			
	Strada	50	WG	2.1	OZ/A	PI + 14 d	D			
	Induce		L	4.8	FL OZ/A	PI + 14 d	D			
Standard Deviation								10.3	12.6	4.3
CV								20.35	21.81	6.42

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Objectives:
Evaluate weed control efficacy and rice tolerance to application rates and timings of IRPROP.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 4 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Command	3	ME	1.33	PT/A	N
3.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
4.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Application Description

	A	B	C
Application Date:		9-Jun-08	16-Jun-08
Time of Day:		7:00 am	7:00 am
Application Method:		Broadcast	Broadcast
Application Timing:		MPOST	LPOST
Application Placement:		Foliar	Foliar
Applied By:		JAB	JAB
Air Temperature, Unit:		80 F	81 F
% Relative Humidity:		75	87
Wind Velocity, Unit:		2.5 MPH	0 MPH
Wind Direction:		SW	
Dew Presence (Y/N):		Y	Y
Soil Moisture:		Adequate	Mud
% Cloud Cover:		0	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:		ORYSA	ORYSA
Stage Majority, Percent:		1 TIL	3 TIL
Stage Minimum, Percent:		4 LF	2 TIL
Stage Maximum, Percent:		1 TIL	3 TIL
Height, Unit:		8 IN	10 IN
Height Minimum, Maximum:		7 8	9 11

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		8 LF	15 LF
Stage Minimum, Percent:		7 LF	12 LF
Stage Maximum, Percent:		8 LF	18 LF
Height, Unit:		9 IN	18 IN
Height Minimum, Maximum:		8 10	15 20
Density, Unit:		9 FT2	9 FT2
Pest 2 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		4 LF	9 LF
Stage Minimum, Percent:		3 LF	8 LF
Stage Maximum, Percent:		4 LF	10 LF
Height, Unit:		4 IN	8 IN
Height Minimum, Maximum:		3 4	6 10
Density, Unit:		2 FT2	2 FT2
Pest 3 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		4 LF	9 LF
Stage Minimum, Percent:		3 LF	8 LF
Stage Maximum, Percent:		4 LF	10 LF
Height, Unit:		4 IN	8 IN
Height Minimum, Maximum:		3 4	6 10
Density, Unit:		2 FT2	2 FT2
Pest 4 Code, Disc., Scale:	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:		5 LF	9 LF
Stage Minimum, Percent:		4 LF	7 LF
Stage Maximum, Percent:		6 LF	11 LF
Height, Unit:		3 IN	8 IN
Height Minimum, Maximum:		3 3	6 9
Density, Unit:		2 FT2	2 FT2

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Application Equipment

	A	B	C
Appl. Equipment:		CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:		33 PSI	33 PSI
Nozzle Type:		AI	AI
Nozzle Size:		110015VS	110015VS
Nozzle Spacing, Unit:		16 IN	16 IN
Boom Height, Unit:		18 IN	18 IN
Ground Speed, Unit:		3.5 MPH	3.5 MPH

Date	By	Notes
9-Jun-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												SEBEX	SEBEX	SEBEX
Rating Date								16-Jun-08	23-Jun-08	30-Jun-08	14-Jul-08	16-Jun-08	23-Jun-08	30-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								0	7	14	28	0	7	14
Trt-Eval Interval								7 DA-B	7 DA-C	14 DA-C	28 DA-C	7 DA-B	7 DA-C	14 DA-C
1	Treated Check							0 a	0 a	0 a	0 a	0 c	0 d	0 d
	Command	3	ME	1.33	PT/A	PRE	A							
2	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	81 ab	91 ab	91 b
	IRPROP	61.25	DF	5	LB/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	0 a	1 a	0 a	0 a	86 a	95 a	97 a
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	0 a	1 a	0 a	0 a	85 a	95 a	98 a
	Stam M-4	4	EC	3	QT/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	75 b	84 c	81 c
	Duet	4.03	SC	3	QT/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A		0 a	0 a	0 a		90 b	96 a
	IRPROP	61.25	DF	5	LB/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A		0 a	0 a	0 a		89 b	97 a
	SuperWham	4	SC	3	QT/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A		0 a	0 a	0 a		89 b	98 a
	Stam M-4	4	EC	3	QT/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A		0 a	0 a	0 a		89 b	96 a
	Duet	4.03	SC	3	QT/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
Standard Deviation								0.0	1.1	0.0	0.0	4.9	2.6	2.9
CV								0.0	396.86	0.0	0.0	7.57	3.29	3.47

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed SEBEX 14-Jul-08 Control % 28 28 DA-C	W Weed IPOHE 16-Jun-08 Control % 0 7 DA-B	W Weed IPOHE 23-Jun-08 Control % 7 7 DA-C	W Weed IPOHE 30-Jun-08 Control % 14 14 DA-C	W Weed IPOHE 14-Jul-08 Control % 28 28 DA-C	W Weed IPOLA 16-Jun-08 Control % 0 7 DA-B	W Weed IPOLA 23-Jun-08 Control % 7 7 DA-C
	Pest Type													
	Pest Code													
	Rating Date													
	Rating Data Type													
	Rating Unit													
	Days After First/Last Applic.													
	Trt-Eval Interval													
1	Treated Check							0 d	0 c	0 d	0 c	0 b	0 c	0 c
	Command	3	ME	1.33	PT/A	PRE	A							
2	Command	3	ME	1.33	PT/A	PRE	A	81 c	69 b	84 b	98 a	95 a	72 b	84 a
	IRPROP	61.25	DF	5	LB/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	89 b	83 a	93 a	98 a	95 a	83 a	93 a
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	93 ab	81 a	93 a	98 a	95 a	80 ab	93 a
	Stam M-4	4	EC	3	QT/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	78 c	68 b	84 b	90 b	95 a	72 b	84 a
	Duet	4.03	SC	3	QT/A	MPOST	B							
	Agri-Dex		L	24	FL OZ/A	MPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	95 a		69 c	97 a	95 a		69 b
	IRPROP	61.25	DF	5	LB/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	95 a		65 c	95 a	95 a		65 b
	SuperWham	4	SC	3	QT/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	95 a		71 c	95 a	95 a		73 b
	Stam M-4	4	EC	3	QT/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	93 ab		69 c	96 a	95 a		68 b
	Duet	4.03	SC	3	QT/A	LPOST	C							
	Agri-Dex		L	24	FL OZ/A	LPOST	C							
	Standard Deviation							3.2	5.8	5.3	2.9	0.0	5.2	5.6
	CV							4.04	9.57	7.65	3.39	0.0	8.52	8.12

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
IRPROP Use in Midsouth Rice

Trial ID: 08-HR-34
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOLA	IPOLA	AMAPA	AMAPA	AMAPA	AMAPA
Rating Date								14-Jul-08	30-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08	14-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								28	14	0	7	14	28
Trt-Eval Interval								14 DA-C	28 DA-C	7 DA-B	7 DA-C	14 DA-C	28 DA-C
1	Treated Check							0 b	0 c	0 b	0 e	0 c	0 c
	Command	3	ME	1.33	PT/A	PRE	A						
2	Command	3	ME	1.33	PT/A	PRE	A	95 a	98 a	69 a	79 a	89 a	88 ab
	IRPROP	61.25	DF	5	LB/A	MPOST	B						
	Agri-Dex		L	24	FL OZ/A	MPOST	B						
3	Command	3	ME	1.33	PT/A	PRE	A	95 a	98 a	71 a	81 a	92 a	91 a
	SuperWham	4	SC	3	QT/A	MPOST	B						
	Strada	50	WG	2.1	OZ/A	MPOST	B						
	Agri-Dex		L	24	FL OZ/A	MPOST	B						
4	Command	3	ME	1.33	PT/A	PRE	A	95 a	98 a	68 a	76 ab	86 a	86 ab
	Stam M-4	4	EC	3	QT/A	MPOST	B						
	Strada	50	WG	2.1	OZ/A	MPOST	B						
5	Command	3	ME	1.33	PT/A	PRE	A	95 a	90 b	63 a	73 abc	79 b	80 b
	Duet	4.03	SC	3	QT/A	MPOST	B						
	Agri-Dex		L	24	FL OZ/A	MPOST	B						
6	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 ab		66 cd	90 a	95 a
	IRPROP	61.25	DF	5	LB/A	LPOST	C						
	Agri-Dex		L	24	FL OZ/A	LPOST	C						
7	Command	3	ME	1.33	PT/A	PRE	A	95 a	94 ab		60 d	89 a	91 a
	SuperWham	4	SC	3	QT/A	LPOST	C						
	Strada	50	WG	2.1	OZ/A	LPOST	C						
	Agri-Dex		L	24	FL OZ/A	LPOST	C						
8	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 ab		68 bcd	90 a	91 a
	Stam M-4	4	EC	3	QT/A	LPOST	C						
	Strada	50	WG	2.1	OZ/A	LPOST	C						
9	Command	3	ME	1.33	PT/A	PRE	A	95 a	96 a		69 bcd	93 a	95 a
	Duet	4.03	SC	3	QT/A	LPOST	C						
	Agri-Dex		L	24	FL OZ/A	LPOST	C						
Standard Deviation								0.0	3.3	6.5	5.8	4.3	6.2
CV								0.0	3.92	12.04	9.17	5.45	7.81

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Postflood Combinations

Trial ID: 08-HR-35
Location: DREC

Objectives:
Evaluate efficacy of postflood applications of Strada.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 4 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	13-May-08	Command	3	ME	1.33	PT/A	N
3.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
4.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 14-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Strada Postflood Combinations

Trial ID: 08-HR-35
Location: DREC

Application Description

	A	B
Application Date:	13-May-08	25-Jun-08
Time of Day:	5:30 pm	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	PRE	7d PTFLD
Application Placement:	Soil	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	75 F	75 F
% Relative Humidity:	47	81
Wind Velocity, Unit:	11 MPH	0 MPH
Wind Direction:	SE	
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	81 F	
Soil Moisture:	Dry	Flood
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		5 TIL
Stage Minimum, Percent:		4 TIL
Stage Maximum, Percent:		5 TIL
Height, Unit:		14 IN
Height Minimum, Maximum:		12 16

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:		14 LF
Stage Minimum, Percent:		12 LF
Stage Maximum, Percent:		15 LF
Height, Unit:		44 IN
Height Minimum, Maximum:		42 46
Density, Unit:		11 FT2
Pest 2 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		18 LF
Stage Minimum, Percent:		15 LF
Stage Maximum, Percent:		20 LF
Height, Unit:		15 IN
Height Minimum, Maximum:		12 18
Density, Unit:		3 FT2
Pest 3 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:		18 LF
Stage Minimum, Percent:		15 LF
Stage Maximum, Percent:		20 LF
Height, Unit:		15 IN
Height Minimum, Maximum:		12 18
Density, Unit:		3 FT2
Pest 4 Code, Disc., Scale:	AMAPA W	AMAPA W
Stage Majority, Percent:		14 LF
Stage Minimum, Percent:		12 LF
Stage Maximum, Percent:		16 LF
Height, Unit:		16 IN
Height Minimum, Maximum:		14 18
Density, Unit:		2 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	22 PSI
Nozzle Type:	AI	TT
Nozzle Size:	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	2.5 MPH

Mississippi State University - DREC
Strada Postflood Combinations

Trial ID: 08-HR-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												SEBEX	SEBEX	SEBEX
Rating Date								3-Jul-08	10-Jul-08	17-Jul-08	26-Jul-08	3-Jul-08	10-Jul-08	17-Jul-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								51 8	58 15	65 22	74 31	51 8	58 15	65 22
Trt-Eval Interval								8 DA-B	15 DA-B	22 DA-B	31 DA-B	8 DA-B	15 DA-B	22 DA-B
1	Treated Check							0 a	0 a	0 a	0 a	0 d	0 c	0 c
	Command	3	ME	1.33	PT/A	PRE	A							
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
2	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	45 c	58 b	59 b
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
3	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	61 b	88 a	89 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Grandstand R	3	SL	11	FL OZ/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
4	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	89 a	88 a	90 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Aim	2	EC	1	FL OZ/A	7 d PTFLD	C							
	Kinetic HV		L	2.4	FL OZ/A	7 d PTFLD	C							
5	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	84 a	93 a	89 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Duet	4.03	SC	4	QT/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
6	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	85 a	88 a	86 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	IRPROP	61.25	DF	5	LB/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
7	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	85 a	94 a	88 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	SuperWham	4	SC	4	QT/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
Standard Deviation								0.0	0.0	0.0	0.0	5.3	5.7	5.6
CV								0.0	0.0	0.0	0.0	8.19	7.83	7.84

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Postflood Combinations

Trial ID: 08-HR-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	IPOHE	IPOHE	IPOHE	IPOHE	IPOLA	IPOLA
Rating Date								26-Jul-08	3-Jul-08	10-Jul-08	17-Jul-08	26-Jul-08	3-Jul-08	10-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								74 31	51 8	58 15	65 22	74 31	51 8	58 15
Trt-Eval Interval								31 DA-B	8 DA-B	15 DA-B	22 DA-B	31 DA-B	8 DA-B	15 DA-B
1	Treated Check							0 c	0 c	0 c	0 c	0 c	0 c	0 d
	Command	3	ME	1.33	PT/A	PRE	A							
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
2	Command	3	ME	1.33	PT/A	PRE	A	69 b	63 b	68 b	78 b	86 ab	63 b	68 c
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
3	Command	3	ME	1.33	PT/A	PRE	A	93 a	69 b	93 a	95 a	94 a	69 ab	93 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Grandstand R	3	SL	11	FL OZ/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
4	Command	3	ME	1.33	PT/A	PRE	A	80 b	84 a	85 a	93 a	92 ab	84 a	85 ab
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Aim	2	EC	1	FL OZ/A	7 d PTFLD	C							
	Kinetic HV		L	2.4	FL OZ/A	7 d PTFLD	C							
5	Command	3	ME	1.33	PT/A	PRE	A	81 b	76 ab	85 a	95 a	88 ab	76 ab	83 b
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	Duet	4.03	SC	4	QT/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
6	Command	3	ME	1.33	PT/A	PRE	A	70 b	68 b	84 a	90 a	85 ab	71 ab	85 ab
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	IRPROP	61.25	DF	5	LB/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
7	Command	3	ME	1.33	PT/A	PRE	A	79 b	70 b	86 a	90 a	84 b	70 ab	90 ab
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B							
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C							
	SuperWham	4	SC	4	QT/A	7 d PTFLD	C							
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
Standard Deviation								7.7	8.8	6.8	5.4	5.9	9.2	5.9
CV								11.44	14.34	9.47	7.02	7.81	14.86	8.19

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Postflood Combinations

Trial ID: 08-HR-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOLA	IPOLA	AMAPA	AMAPA	AMAPA	AMAPA
Rating Date								17-Jul-08	26-Jul-08	3-Jul-08	10-Jul-08	17-Jul-08	26-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								65 22	74 31	51 8	58 15	65 22	74 31
Trt-Eval Interval								22 DA-B	31 DA-B	8 DA-B	15 DA-B	22 DA-B	31 DA-B
1	Treated Check							0 c	0 c	0 c	0 d	0 c	0 c
	Command	3	ME	1.33	PT/A	PRE	A						
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
2	Command	3	ME	1.33	PT/A	PRE	A	78 b	86 ab	34 b	46 c	69 b	81 b
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C						
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
3	Command	3	ME	1.33	PT/A	PRE	A	95 a	94 a	60 a	91 a	95 a	94 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C						
	Grandstand R	3	SL	11	FL OZ/A	7 d PTFLD	C						
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
4	Command	3	ME	1.33	PT/A	PRE	A	93 a	92 a	73 a	80 b	93 a	95 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C						
	Aim	2	EC	1	FL OZ/A	7 d PTFLD	C						
	Kinetic HV		L	2.4	FL OZ/A	7 d PTFLD	C						
5	Command	3	ME	1.33	PT/A	PRE	A	95 a	88 ab	65 a	84 ab	95 a	91 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C						
	Duet	4.03	SC	4	QT/A	7 d PTFLD	C						
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
6	Command	3	ME	1.33	PT/A	PRE	A	90 a	81 b	69 a	79 b	89 a	89 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	IRPROP	61.25	DF	5	LB/A	7 d PTFLD	C						
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
7	Command	3	ME	1.33	PT/A	PRE	A	90 a	85 ab	71 a	81 b	89 a	91 a
	Clincher SF	2.38	EC	15	FL OZ/A	E or MPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
	Strada	50	WG	2.1	OZ/A	7 d PTFLD	C						
	SuperWham	4	SC	4	QT/A	7 d PTFLD	C						
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
Standard Deviation								5.4	6.4	9.1	6.3	7.3	3.7
CV								7.02	8.55	17.17	9.55	9.62	4.81

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Objectives:
Evaluate efficacy of Strada tank-mixed with other broadleaf herbicides.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Application Description

	A	B	C
Application Date:	21-May-08	26-May-08	18-Jun-08
Time of Day:	7:00 am	7:00 am	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	VEPOST	LPOST
Application Placement:	Soil	Foliar	Foliar
Applied By:	JAB	JAB, RCB	JAB
Air Temperature, Unit:	68 F	80 F	74 F
% Relative Humidity:	56	88	83
Wind Velocity, Unit:	2.5 MPH	2.5 MPH	0.5 MPH
Wind Direction:	N	S	E
Dew Presence (Y/N):	N	Y	N
Soil Temperature, Unit:	78 F	82 F	
Soil Moisture:	Adequate	Mud	Adequate
% Cloud Cover:	0	30	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:		ORYSA	ORYSA
Stage Majority, Percent:		2 LF	4 TIL
Stage Minimum, Percent:		2 LF	3 TIL
Stage Maximum, Percent:		2 LF	4 TIL
Height, Unit:		4 IN	10 IN
Height Minimum, Maximum:		3 4	9 11

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		1 LF	
Stage Minimum, Percent:		1 LF	
Stage Maximum, Percent:		1 LF	
Height, Unit:		1 IN	
Height Minimum, Maximum:		1 1	
Density, Unit:		3 FT2	
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		2 LF	18 LF
Stage Minimum, Percent:		2 LF	15 LF
Stage Maximum, Percent:		2 LF	20 LF
Height, Unit:		3 IN	28 IN
Height Minimum, Maximum:		3 3	24 32
Density, Unit:		14 FT2	14 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		1 LF	11 LF
Stage Minimum, Percent:		1 LF	10 LF
Stage Maximum, Percent:		1 LF	12 LF
Height, Unit:		2 IN	12 IN
Height Minimum, Maximum:		2 2	9 15
Density, Unit:		4 FT2	4 FT2
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		1 LF	11 LF
Stage Minimum, Percent:		1 LF	10 LF
Stage Maximum, Percent:		1 LF	12 LF
Height, Unit:		2 IN	12 IN
Height Minimum, Maximum:		2 2	9 15
Density, Unit:		4 FT2	4 FT2
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:		1 LF	11 LF
Stage Minimum, Percent:		1 LF	10 LF
Stage Maximum, Percent:		1 LF	12 LF
Height, Unit:		1 IN	13 IN
Height Minimum, Maximum:		1 1	12 14
Density, Unit:		3 FT2	3 FT2
Coverage, Unit:			2 3

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Application Equipment

	A	B	C
Appl. Equipment:	Tractor	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	40 PSI	36 PSI	28 PSI
Nozzle Type:	AI	AI	AI
Nozzle Size:	11002VS	110015VS	110015VS
Nozzle Spacing, Unit:	20 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	4 MPH	3.5 MPH	3 MPH

Date	By	Notes
9-Jun-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant.
16-Jul-08	JAB	Flood killed IPOGG and AMAPA.

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG
Rating Date								9-Jun-08	25-Jun-08	2-Jul-08	16-Jul-08	9-Jun-08	25-Jun-08	2-Jul-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								19 14	35 7	42 14	56 28	19 14	35 7	42 14
Trt-Eval Interval								14 DA-B	7 DA-C	14 DA-C	28 DA-C	14 DA-B	7 DA-C	14 DA-C
1	Treated Check							0 a	0 a	0 a	0 a	0 b	0 b	0 c
	Command	3	ME	1.33	PT/A	PRE	A							
2	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	93 a	93 a	95 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	94 a	94 a	95 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	93 a	93 a	95 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	93 a	93 a	95 b
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	95 a	95 a	95 b
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
7	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	94 a	94 a	95 b
	Permit	75	WG	0.67	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
8	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	94 a	94 a	95 b
	Permit	75	WG	1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	94 a	94 a	95 b
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
	Induce		L	4.8	FL OZ/A	LPOST	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	0 a	0 a	0 a	0 a	95 a	95 a	97 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	C							
11	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	95 a	95 a	97 a
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
12	Command	3	ME	1.33	PT/A	PRE	A	0 a	0 a	0 a	0 a	95 a	95 a	97 a
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
Standard Deviation								0.0	0.0	0.0	0.0	1.8	1.8	0.7
CV								0.0	0.0	0.0	0.0	2.08	2.08	0.81

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE
Rating Date								16-Jul-08	9-Jun-08	25-Jun-08	2-Jul-08	16-Jul-08	9-Jun-08	25-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								56 28	19 14	35 7	42 14	56 28	19 14	35 7
Trt-Eval Interval								28 DA-C	14 DA-B	7 DA-C	14 DA-C	28 DA-C	14 DA-B	14 DA-C
1	Treated Check							0 d	0 a	0 d	0 g	0 e	0 b	0 d
	Command	3	ME	1.33	PT/A	PRE	A							
2	Command	3	ME	1.33	PT/A	PRE	A	96 b	0 a	41 c	59 f	64 d	0 b	30 c
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	48 bc	75 bcd	69 cd	0 b	35 c
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	43 c	73 cde	70 bcd	0 b	33 c
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	47 c	73 bcd	73 bcd	0 b	28 c
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	44 c	70 de	65 cd	0 b	30 c
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
7	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	49 bc	78 bc	75 bc	0 b	38 c
	Permit	75	WG	0.67	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
8	Command	3	ME	1.33	PT/A	PRE	A	95 c	0 a	55 b	79 b	80 b	0 b	34 c
	Permit	75	WG	1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	98 a	0 a	41 c	68 e	71 bcd	53 a	29 c
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
	Induce		L	4.8	FL OZ/A	LPOST	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	98 a	0 a	91 a	97 a	91 a	51 a	83 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	C							
11	Command	3	ME	1.33	PT/A	PRE	A	98 a	0 a	90 a	97 a	91 a	0 b	71 b
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
12	Command	3	ME	1.33	PT/A	PRE	A	98 a	0 a	91 a	97 a	97 a	0 b	75 ab
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
Standard Deviation								0.5	0.0	5.2	3.6	6.4	3.0	6.5
CV								0.52	0.0	9.8	4.96	9.03	34.25	16.04

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	IPOLA	AMAPA
Rating Date								2-Jul-08	16-Jul-08	9-Jun-08	25-Jun-08	2-Jul-08	16-Jul-08	9-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								42 14	56 28	19 14	35 7	42 14	56 28	19 14
Trt-Eval Interval								7 DA-C	28 DA-C	14 DA-B	7 DA-C	14 DA-C	28 DA-C	14 DA-B
1	Treated Check							0 e	0 e	0 b	0 d	0 c	0 e	0 b
	Command	3	ME	1.33	PT/A	PRE	A							
2	Command	3	ME	1.33	PT/A	PRE	A	85 d	85 d	0 b	30 c	84 b	85 d	0 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	88 d	90 bcd	0 b	35 c	86 ab	90 bcd	0 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	90 bcd	93 abc	0 b	33 c	90 ab	93 abc	0 b
	Strada	50	WG	2.1	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	88 cd	92 abc	0 b	28 c	87 ab	92 abc	0 b
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	88 d	89 cd	0 b	31 c	84 b	89 cd	0 b
	Strada	50	WG	1.7	OZ/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
7	Command	3	ME	1.33	PT/A	PRE	A	89 bcd	94 abc	0 b	38 c	83 b	94 abc	0 b
	Permit	75	WG	0.67	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
8	Command	3	ME	1.33	PT/A	PRE	A	89 bcd	94 abc	0 b	34 c	85 b	94 abc	0 b
	Permit	75	WG	1	OZ/A	LPOST	B							
	Induce		L	4.8	FL OZ/A	LPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	89 bcd	93 abc	53 a	29 c	89 ab	93 abc	26 a
	Newpath	2	AS	4	FL OZ/A	VEPOST	B							
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	Strada	50	WG	2.1	OZ/A	LPOST	C							
	Induce		L	4.8	FL OZ/A	LPOST	C							
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	97 a	98 a	51 a	83 a	97 a	98 a	29 a
	Induce		L	4.8	FL OZ/A	VEPOST	B							
	Newpath	2	AS	4	FL OZ/A	LPOST	C							
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	C							
11	Command	3	ME	1.33	PT/A	PRE	A	94 abc	97 ab	0 b	66 b	90 ab	97 ab	0 b
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.25	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
12	Command	3	ME	1.33	PT/A	PRE	A	95 ab	97 a	0 b	73 b	89 ab	96 ab	0 b
	IRPROP	61.25	DF	5	LB/A	LPOST	B							
	Permit	75	WG	0.33	OZ/A	LPOST	B							
	Agri-Dex		L	0.75	QT/A	LPOST	B							
Standard Deviation								3.9	4.1	2.9	6.1	6.3	4.2	2.9
CV								4.7	4.8	33.69	15.32	7.91	4.93	62.46

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Broadleaf Weed Control

Trial ID: 08-HR-36
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 25-Jun-08 Control % 35 7 7 DA-C 22	W Weed AMAPA 2-Jul-08 Control % 42 14 14 DA-C 23
1	Treated Check							0 e	0 f
	Command	3	ME	1.33	PT/A	PRE	A		
2	Command	3	ME	1.33	PT/A	PRE	A	18 d	69 e
	Strada	50	WG	2.1	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
3	Command	3	ME	1.33	PT/A	PRE	A	21 d	76 cde
	Strada	50	WG	2.1	OZ/A	LPOST	B		
	Permit	75	WG	0.25	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
4	Command	3	ME	1.33	PT/A	PRE	A	20 d	83 bc
	Strada	50	WG	2.1	OZ/A	LPOST	B		
	Permit	75	WG	0.33	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
5	Command	3	ME	1.33	PT/A	PRE	A	17 d	68 e
	Strada	50	WG	1.7	OZ/A	LPOST	B		
	Permit	75	WG	0.25	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
6	Command	3	ME	1.33	PT/A	PRE	A	20 d	74 de
	Strada	50	WG	1.7	OZ/A	LPOST	B		
	Permit	75	WG	0.33	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
7	Command	3	ME	1.33	PT/A	PRE	A	23 d	75 cde
	Permit	75	WG	0.67	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
8	Command	3	ME	1.33	PT/A	PRE	A	17 d	78 cd
	Permit	75	WG	1	OZ/A	LPOST	B		
	Induce		L	4.8	FL OZ/A	LPOST	B		
9	Command	3	ME	1.33	PT/A	PRE	A	20 d	74 de
	Newpath	2	AS	4	FL OZ/A	VEPOST	B		
	Induce		L	4.8	FL OZ/A	VEPOST	B		
	Newpath	2	AS	4	FL OZ/A	LPOST	C		
	Strada	50	WG	2.1	OZ/A	LPOST	C		
	Induce		L	4.8	FL OZ/A	LPOST	C		
10	Newpath	2	AS	4	FL OZ/A	VEPOST	B	81 a	91 a
	Induce		L	4.8	FL OZ/A	VEPOST	B		
	Newpath	2	AS	4	FL OZ/A	LPOST	C		
	IRPROP	61.25	DF	5	LB/A	LPOST	B		
	Agri-Dex		L	0.75	QT/A	LPOST	C		
11	Command	3	ME	1.33	PT/A	PRE	A	60 c	90 ab
	IRPROP	61.25	DF	5	LB/A	LPOST	B		
	Permit	75	WG	0.25	OZ/A	LPOST	B		
	Agri-Dex		L	0.75	QT/A	LPOST	B		
12	Command	3	ME	1.33	PT/A	PRE	A	73 b	88 ab
	IRPROP	61.25	DF	5	LB/A	LPOST	B		
	Permit	75	WG	0.33	OZ/A	LPOST	B		
	Agri-Dex		L	0.75	QT/A	LPOST	B		
Standard Deviation								4.4	5.4
CV								14.43	7.45

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Objectives:
Evaluate efficacy of a Regiment plus Bolero premix.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Pest 6 Type: W **Code:** PANRA Urochloa ramosa
Common Name: Browntop millet

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Application Description

	A	B	C	D
Application Date:	13-May-08	2-Jun-08	10-Jun-08	25-Jun-08
Time of Day:	5:30 pm	7:45 am	7:00 am	6:30 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	EPOST	MPOST	7d PTFLD
Application Placement:	Soil	Foliar	Foliar	Foliar
Applied By:	LCV, RCB	JAB	JAB	LCV
Air Temperature, Unit:	75 F	75 F	74 F	75 F
% Relative Humidity:	47	77	77	81
Wind Velocity, Unit:	11 MPH	2 MPH	2 MPH	0 MPH
Wind Direction:	SE	S	N	
Dew Presence (Y/N):	N	Y	Y	Y
Soil Temperature, Unit:	81 F	84 F		
Soil Moisture:	Dry	Adequate	Mud	Flood
% Cloud Cover:	100	10	75	0

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code:		ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		3 LF	1 TIL	5 TIL
Stage Minimum, Percent:		2 LF	4 LF	4 TIL
Stage Maximum, Percent:		3 LF	1 TIL	5 TIL
Height, Unit:		7 IN	8 IN	14 IN
Height Minimum, Maximum:		6 8	7 9	12 16

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Pest Stage At Each Application

	A	B	C	D
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		3 LF	6 LF	
Stage Minimum, Percent:		2 LF	5 LF	
Stage Maximum, Percent:		4 LF	7 LF	
Height, Unit:		2 IN	4.5 IN	
Height Minimum, Maximum:		1 3	4 5	
Density, Unit:		7 FT2	2 FT2	
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		4 LF	9 LF	7 LF
Stage Minimum, Percent:		4 LF	8 LF	6 LF
Stage Maximum, Percent:		4 LF	10 LF	8 LF
Height, Unit:		8.5 IN	9 IN	8 IN
Height Minimum, Maximum:		6 9	8 10	7 9
Density, Unit:		14 FT2	11 FT2	1 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		3 LF	5 LF	9 LF
Stage Minimum, Percent:		2 LF	2 LF	8 LF
Stage Maximum, Percent:		4 LF	8 LF	9 LF
Height, Unit:		3 IN	7 IN	8 IN
Height Minimum, Maximum:		2 4	4 10	6 10
Density, Unit:		3 FT2	3 FT2	2 FT2
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		3 LF	5 LF	9 LF
Stage Minimum, Percent:		2 LF	2 LF	8 LF
Stage Maximum, Percent:		4 LF	8 LF	9 LF
Height, Unit:		3 IN	7 IN	8 IN
Height Minimum, Maximum:		2 4	4 10	6 10
Density, Unit:		3 FT2	3 FT2	2 FT2
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W	AMAPA W	AMAPA W
Stage Majority, Percent:		5 LF	9 LF	9 LF
Stage Minimum, Percent:		4 LF	7 LF	8 LF
Stage Maximum, Percent:		5 LF	10 LF	9 LF
Height, Unit:		3 IN	5 IN	6 IN
Height Minimum, Maximum:		2 4	4 6	5 7
Density, Unit:		2 FT2	2 FT2	1 FT2
Pest 6 Code, Disc., Scale:	PANRA W	PANRA W	PANRA W	PANRA W
Stage Majority, Percent:			5 LF	5 LF
Stage Minimum, Percent:			4 LF	4 LF
Stage Maximum, Percent:			6 LF	6 LF
Height, Unit:			3.5 IN	3.5 IN
Height Minimum, Maximum:			3 4	3 4
Density, Unit:			2 FT2	2 FT2

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	36 PSI	28 PSI	22 PSI
Nozzle Type:	AI	AI	AI	TT
Nozzle Size:	110015VS	110015VS	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3 MPH	2.5 MPH

Date	By	Notes
13-May-08	JAB	Sprayed PRE with blockers
9-Jun-08	JAB	Coverage appeared poor on IPOGG due to tall SEBEX. Approximately 50% of Palmer amaranth was ALS-resistant.
24-Jun-08	JAB	Control better in reps 3 and 4 due to deeper flood. Less PANRA in reps 3 and 4.
1-Jul-08	JAB	Injury from PTFLD V-10232 is foliar burn as red streaks. Flood is killing IPOGG and AMAPA.
8-Jul-08	JAB	Injury observed on 01-Jul-08 is no longer visible.

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27-May-08 Injury %	2-Jun-08 Injury %	9-Jun-08 Injury %	17-Jun-08 Injury %	24-Jun-08 Injury %	1-Jul-08 Injury %	8-Jul-08 Injury %
	Pest Type													
	Pest Code													
	Rating Date							27-May-08	2-Jun-08	9-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	8-Jul-08
	Rating Data Type							Injury	Injury	Injury	Injury	Injury	Injury	Injury
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							14 14	20 0	27 7	35 7	42 14	49 6	56 13
	Trt-Eval Interval							14 DA-A	20 DA-A	7 DA-B	7 DA-C	14 DA-C	21 DA-C	28 DA-C
								1	2	3	4	5	6	7
1	Nontreated							0 d	0 a	0 a	0 a	0 a	0 b	0 a
2	Command	3	ME	1.33	PT/A	PRE	A	4 abc	3 a	0 a	0 a	0 a	0 b	0 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	3 bcd	3 a	0 a	0 a	0 a	0 b	0 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C				0 a	0 a	0 b	0 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C				0 a	0 a	0 b	0 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C				0 a	0 a	0 b	0 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	7 a	3 a	0 a	0 a	0 a	0 b	0 a
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	5 ab	1 a	0 a	0 a	0 a	0 b	0 a
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	1 cd	0 a	0 a	0 a	0 a	0 b	0 a
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B			0 a	0 a	0 a	0 b	0 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B			0 a	0 a	0 a	7 a	0 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
	Standard Deviation							2.2	2.1	0.0	0.0	0.0	0.7	0.0
	CV							68.62	143.43	0.0	0.0	0.0	116.06	0.0

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Rating Date								27-May-08	2-Jun-08	9-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	8-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	20 0	27 7	35 7	42 14	49 6	56 13
Trt-Eval Interval								14 DA-A	20 DA-A	7 DA-B	7 DA-C	14 DA-C	21 DA-C	28 DA-C
1	Nontreated							0 b	0 b	0 c	0 f	0 f	0 d	0 d
2	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	95 a	98 a	99 a	99 a	99 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	96 a	98 a	99 a	99 a	99 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C				65 d	93 cde	95 b	95 ab
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C				73 c	95 bc	97 b	99 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C				54 e	90 e	89 c	85 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	95 a	95 a	95 bc	97 b	99 a
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	95 a	95 a	95 bc	97 b	99 a
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	95 a	95 a	95 b	97 b	99 a
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B			90 b	90 b	91 de	95 b	94 b
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B			89 b	94 ab	94 bcd	96 b	99 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
Standard Deviation								0.0	0.0	2.2	2.7	1.7	1.3	2.8
CV								0.0	0.0	2.74	3.53	1.93	1.52	3.17

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Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed PANRA 2-Jun-08 Control % 20 0 20 DA-A 15	W Weed PANRA 9-Jun-08 Control % 27 7 7 DA-B 16	W Weed PANRA 17-Jun-08 Control % 35 7 7 DA-C 17	W Weed PANRA 24-Jun-08 Control % 42 14 14 DA-C 18	W Weed PANRA 1-Jul-08 Control % 49 6 21 DA-C 19	W Weed PANRA 8-Jul-08 Control % 56 13 28 DA-C 20	W Weed SEBEX 9-Jun-08 Control % 27 7 7 DA-B 21
1	Nontreated							0 b	0 c	0 f	0 c	0 d	0 d	0 b
2	Command	3	ME	1.33	PT/A	PRE	A	95 a	93 a	98 a	98 a	99 a	99 a	0 b
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	95 a	94 a	95 a	97 a	97 a	99 a	0 b
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C			39 e	71 b	85 b	97 a	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C			45 d	74 b	88 b	99 a	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C			35 e	69 b	78 c	89 c	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	95 a	90 a	93 a	95 a	95 a	99 a	0 b
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	95 a	90 a	94 a	94 a	95 a	99 a	0 b
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	95 a	90 a	93 a	93 a	95 a	99 a	0 b
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B		75 b	56 c	68 b	89 b	94 b	80 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B		79 b	63 b	69 b	94 a	99 a	79 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
Standard Deviation								0.0	2.7	3.7	5.3	3.4	1.3	1.7
CV								0.0	3.51	5.73	7.0	4.05	1.46	8.53

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE	IPOHE
Rating Date								17-Jun-08	24-Jun-08	1-Jul-08	8-Jul-08	9-Jun-08	17-Jun-08	24-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								35 7	42 14	49 6	56 13	27 7	35 7	42 14
Trt-Eval Interval								7 DA-C	14 DA-C	21 DA-C	28 DA-C	7 DA-B	7 DA-C	14 DA-C
1	Nontreated							0 h	0 e	0 d	0 c	0 b	0 e	0 f
2	Command	3	ME	1.33	PT/A	PRE	A	98 a	99 a	99 a	99 a	0 b	98 a	99 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	93 ab	99 a	99 a	99 a	0 b	97 a	99 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C	69 ef	91 bc	99 a	97 a		45 d	73 d
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C	76 de	94 b	97 ab	99 a		55 c	80 bc
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C	61 fg	88 c	91 b	95 a		39 d	64 e
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	71 de	94 b	99 a	99 a	0 b	58 c	83 bc
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	79 cd	95 ab	99 a	99 a	0 b	68 b	86 b
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	59 g	89 c	93 ab	96 a	0 b	39 d	78 cd
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B	86 bc	83 d	81 c	80 b	59 a	63 bc	73 d
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B	91 ab	89 c	96 ab	99 a	58 a	60 bc	65 e
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
Standard Deviation								6.0	3.1	3.5	2.7	4.1	5.9	4.5
CV								8.42	3.7	4.08	3.11	28.0	10.53	6.17

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Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32	33	34	35
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA
Rating Date								1-Jul-08	8-Jul-08	9-Jun-08	17-Jun-08	24-Jun-08	1-Jul-08	8-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								49 6	56 13	27 7	35 7	42 14	49 6	56 13
Trt-Eval Interval								21 DA-C	28 DA-C	7 DA-B	7 DA-C	14 DA-C	21 DA-C	28 DA-C
1	Nontreated							0 h	0 c	0 b	0 e	0 f	0 f	0 d
2	Command	3	ME	1.33	PT/A	PRE	A	99 a	99 a	0 b	98 a	99 a	99 a	99 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	98 ab	99 a	0 b	97 a	98 a	98 a	99 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C	86 f	95 a		45 d	68 d	81 c	91 ab
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C	93 cd	99 a		54 c	75 c	91 b	99 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C	81 g	88 b		39 d	60 e	68 e	81 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	94 c	99 a	0 b	58 c	83 b	94 ab	99 a
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	95 bc	99 a	0 b	69 b	84 b	95 ab	99 a
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	88 ef	96 a	0 b	39 d	78 bc	84 c	96 a
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B	81 g	88 b	55 a	60 c	66 de	74 d	86 bc
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B	90 de	97 a	54 a	56 c	61 de	84 c	95 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
Standard Deviation								2.1	4.1	3.8	6.0	4.5	3.8	5.4
CV								2.58	4.72	28.27	10.68	6.38	4.85	6.32

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Regiment Plus Bolero Combinations

Trial ID: 08-HR-37
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 9-Jun-08 Control % 27 7 7 DA-B 36	W Weed AMAPA 17-Jun-08 Control % 35 7 7 DA-C 37	W Weed AMAPA 24-Jun-08 Control % 42 14 14 DA-C 38	W Weed AMAPA 1-Jul-08 Control % 49 6 21 DA-C 39	W Weed AMAPA 8-Jul-08 Control % 56 13 28 DA-C 40	18-Sep-08 Ldg Rate % 128 85 41	18-Sep-08 Ldg Type 1-5 128 85 42
1	Nontreated							0 c	0 f	0 g	0 f	0 d	99 a	5 a
2	Command	3	ME	1.33	PT/A	PRE	A	0 c	98 a	98 a	99 a	99 a	50 cd	4 a
	SuperWham	4	SC	4	QT/A	MPOST	C							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
3	Command	3	ME	1.33	PT/A	PRE	A	0 c	85 b	85 b	97 a	99 a	74 a-d	3 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B							
	Facet	75	DF	0.5	LB/A	MPOST	C							
	Aim	2	EC	1	FL OZ/A	MPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C							
4	V-10232	8.09	EC	2	PT/A	MPOST	C		33 de	54 f	74 de	83 c	55 bcd	3 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
5	V-10232	8.09	EC	3	PT/A	MPOST	C		39 cd	66 cd	80 bcd	91 ab	65 a-d	3 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
6	V-10232	8.09	EC	1	PT/A	MPOST	C		28 e	58 def	69 e	79 c	79 a-d	4 a
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
7	Command	3	ME	1.33	PT/A	PRE	A	0 c	41 cd	64 cde	86 b	93 a	41 d	3 a
	V-10232	8.09	EC	2	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
8	Command	3	ME	1.33	PT/A	PRE	A	0 c	48 c	73 c	84 bc	97 a	68 a-d	3 a
	V-10232	8.09	EC	3	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
9	Command	3	ME	1.33	PT/A	PRE	A	0 c	25 e	64 cde	75 de	92 a	97 ab	4 a
	V-10232	8.09	EC	1	PT/A	MPOST	C							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	C							
10	Command	3	ME	1.33	PT/A	EPOST	B	33 b	41 cd	56 ef	70 e	84 bc	91 abc	5 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
11	Command	3	ME	1.33	PT/A	EPOST	B	40 a	45 c	51 f	76 cde	93 a	69 a-d	3 a
	V-10232	8.09	EC	1	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
	V-10232	8.09	EC	2	PT/A	7 d PTFLD	D							
	Dyne-A-Pak		L	19.2	FL OZ/A	7 d PTFLD	D							
Standard Deviation								3.3	5.8	5.8	5.0	5.4	25.5	1.2
CV								36.86	13.27	9.6	6.78	6.48	35.65	33.77

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Objectives:
Evaluate crop tolerance and weed control efficacy of V-10142 applied at different rates and timings.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description

Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** PANRA Urochloa ramosa
Common Name: Browntop millet

Pest 3 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 4 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 5 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 6 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Application Description

	A	B
Application Date:	13-May-08	9-Jun-08
Time of Day:	6:00 pm	6:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	PRE	MPOST
Application Placement:	Soil	Foliar
Applied By:	LCV, RCB	JAB
Air Temperature, Unit:	75 F	77 F
% Relative Humidity:	47	84
Wind Velocity, Unit:	11 MPH	0 MPH
Wind Direction:	SE	
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	81 F	
Soil Moisture:	Dry	Adequate
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		1 TIL
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		1 TIL
Height, Unit:		7.5 IN
Height Minimum, Maximum:		7 8

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:		4 LF
Stage Minimum, Percent:		3 LF
Stage Maximum, Percent:		4 LF
Height, Unit:		2.5 IN
Height Minimum, Maximum:		2 3
Density, Unit:		2 FT2
Pest 2 Code, Disc., Scale:	PANRA W	PANRA W
Stage Majority, Percent:		3 LF
Stage Minimum, Percent:		2 LF
Stage Maximum, Percent:		3 LF
Height, Unit:		2.5 IN
Height Minimum, Maximum:		2 3
Density, Unit:		2 FT2
Pest 3 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:		8 LF
Stage Minimum, Percent:		7 LF
Stage Maximum, Percent:		8 LF
Height, Unit:		9 IN
Height Minimum, Maximum:		8 10
Density, Unit:		11 FT2
Pest 4 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		6 LF
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		7 LF
Height, Unit:		4.5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		3 FT2
Pest 5 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:		6 LF
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		7 LF
Height, Unit:		4.5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		3 FT2
Pest 6 Code, Disc., Scale:	AMAPA W	AMAPA W
Stage Majority, Percent:		9 LF
Stage Minimum, Percent:		7 LF
Stage Maximum, Percent:		10 LF
Height, Unit:		4 IN
Height Minimum, Maximum:		3 5
Density, Unit:		2 ft2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
27-May-08	JAB	Injury was delayed emergence. Control was delayed emergence.
3-Jun-08	JAB	Control from V-10142 better than Permit on SEBEX and IPOGG; however, V-10142 injury is worse.
12-Jun-08	JAB	IPOGG controlled with PRE treatments of V-10142. Injury is height reduction and upright, planar growth. No PANRA control.
16-Jun-08	JAB	Coverage poor on IPOGG, grasses, and AMAPA. Approximately 50% of Palmer amaranth is ALS-resistant.
30-Jun-08	JAB	Flood killed IPOGG and starting to kill AMAPA.

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type														W Weed
Pest Code														ECHCG
Rating Date								27-May-08	3-Jun-08	12-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08	27-May-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Injury	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	21 21	30 3	34 7	41 14	48 21	14 14
Trt-Eval Interval								14 DA-A	21 DA-A	3 DA-B	7 DA-B	14 DA-B	21 DA-B	14 DA-A
1	Nontreated							0 C	0 d	0 b	0 b	0 b	0 b	0 d
2	V-10142	75	DG	6.4	OZ/A	PRE	A	33 B	14 b	1 b	1 b	1 b	2 b	43 b
3	V-10142	75	DG	8.5	OZ/A	PRE	A	44 A	29 a	10 a	8 a	8 a	8 a	29 c
4	Permit	75	WG	1	OZ/A	PRE	A	0 C	0 d	0 b	0 b	0 b	0 b	25 c
5	V-10142	75	DG	3.2	OZ/A	MPOST	B				0 b	0 b	0 b	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
6	V-10142	75	DG	6.4	OZ/A	MPOST	B				0 b	0 b	0 b	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
7	V-10142	75	DG	8.5	OZ/A	MPOST	B				0 b	0 b	0 b	
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
8	V-10142	75	DG	3.2	OZ/A	PRE	A	3 C	9 c	0 b	1 b	0 b	0 b	27 c
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	0 C	0 d	0 b	2 b	1 b	0 b	95 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	0 C	0 d	0 b	3 b	1 b	0 b	95 a
	Permit	75	WG	1	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								3.7	2.8	1.0	1.9	1.7	1.1	5.5
CV								32.98	38.08	64.38	132.5	149.35	108.44	12.43

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	PANRA	PANRA	PANRA
Rating Date								12-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								30 3	34 7	41 14	48 21	34 7	41 14	48 21
Trt-Eval Interval								3 DA-B	7 DA-B	14 DA-B	21 DA-B	7 DA-B	14 DA-B	21 DA-B
1	Nontreated							0 E	0 e	0 d	0 c	0 c	0 d	0 c
2	V-10142	75	DG	6.4	OZ/A	PRE	A	25 D	19 d	10 d	30 b	0 c	0 d	9 b
3	V-10142	75	DG	8.5	OZ/A	PRE	A	34 C	29 c	24 c	31 b	5 c	11 c	5 bc
4	Permit	75	WG	1	OZ/A	PRE	A	48 b	33 bc	33 c	33 b	6 c	4 d	0 c
5	V-10142	75	DG	3.2	OZ/A	MPOST	B		1 e	1 d	0 c	1 c	0 d	0 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
6	V-10142	75	DG	6.4	OZ/A	MPOST	B		0 e	0 d	0 c	0 c	0 d	0 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
7	V-10142	75	DG	8.5	OZ/A	MPOST	B		0 e	0 d	0 c	0 c	0 d	0 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
8	V-10142	75	DG	3.2	OZ/A	PRE	A	33 c	37 b	75 b	96 a	24 b	74 b	95 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	90 a	93 a	95 a	96 a	96 a	96 a	97 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	90 a	93 a	96 a	98 a	94 a	96 a	98 a
	Permit	75	WG	1	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								4.6	3.1	6.4	4.3	6.1	3.4	4.1
CV								10.04	10.25	19.31	11.22	27.03	11.99	13.37

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE
Rating Date								27-May-08	12-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08	27-May-08	12-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	30 3	34 7	41 14	48 21	14 14	30 3
Trt-Eval Interval								14 DA-A	3 DA-B	7 DA-B	14 DA-B	21 DA-B	14 DA-A	3 DA-B
1	Nontreated							0 C	0 d	0 e	0 f	0 f	0 d	0 c
2	V-10142	75	DG	6.4	OZ/A	PRE	A	54 B	70 b	74 b	80 c	83 bc	50 ab	91 a
3	V-10142	75	DG	8.5	OZ/A	PRE	A	61 A	78 a	79 b	89 b	95 a	55 a	93 a
4	Permit	75	WG	1	OZ/A	PRE	A	49 B	34 c	41 d	39 e	30 e	35 c	71 b
5	V-10142	75	DG	3.2	OZ/A	MPOST	B			40 d	63 d	78 cd		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
6	V-10142	75	DG	6.4	OZ/A	MPOST	B			53 c	74 c	85 b		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
7	V-10142	75	DG	8.5	OZ/A	MPOST	B			43 d	60 d	74 d		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
8	V-10142	75	DG	3.2	OZ/A	PRE	A	53 B	68 b	96 a	99 a	99 a	47 b	89 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	0 C	0 d	93 a	95 ab	96 a	0 d	0 c
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	0 C	0 d	97 a	98 a	98 a	0 d	0 c
	Permit	75	WG	1	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								4.5	4.1	3.9	4.8	3.9	4.9	2.8
CV								14.45	11.64	6.39	6.84	5.32	18.35	5.79

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	23	24	25	26	27	28
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	IPOLA
Rating Date								16-Jun-08	23-Jun-08	30-Jun-08	27-May-08	12-Jun-08	16-Jun-08	23-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								34 7	41 14	48 21	14 14	30 3	34 7	41 14
Trt-Eval Interval								7 DA-B	14 DA-B	21 DA-B	14 DA-A	3 DA-B	7 DA-B	14 DA-B
1	Nontreated							0 e	0 d	0 e	0 d	0 c	0 e	0 d
2	V-10142	75	DG	6.4	OZ/A	PRE	A	95 a	95 a	95 bc	50 ab	93 a	95 a	95 a
3	V-10142	75	DG	8.5	OZ/A	PRE	A	95 a	95 a	97 ab	55 a	93 a	95 a	95 a
4	Permit	75	WG	1	OZ/A	PRE	A	81 b	81 b	91 d	35 c	71 b	75 b	81 b
5	V-10142	75	DG	3.2	OZ/A	MPOST	B	51 d	74 bc	90 d			51 d	74 bc
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
6	V-10142	75	DG	6.4	OZ/A	MPOST	B	63 c	78 b	94 c			63 c	78 b
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
7	V-10142	75	DG	8.5	OZ/A	MPOST	B	59 cd	68 c	90 d			59 cd	66 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
8	V-10142	75	DG	3.2	OZ/A	PRE	A	97 a	98 a	98 a	47 b	89 a	96 a	99 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	90 ab	97 a	98 a	0 d	0 c	94 a	97 a
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	93 a	94 a	98 a	0 d	0 c	93 a	94 a
	Permit	75	WG	1	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								6.2	5.4	1.3	4.9	2.9	5.7	5.3
CV								8.58	6.89	1.55	18.35	5.83	7.96	6.78

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32	33	34	35
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	
Pest Code								IPOLA	AMAPA	AMAPA	AMAPA	AMAPA	AMAPA	
Rating Date								30-Jun-08	27-May-08	12-Jun-08	16-Jun-08	23-Jun-08	30-Jun-08	18-Sep-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Ldg Rate
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								48 21	14 14	30 3	34 7	41 14	48 21	128 101
Trt-Eval Interval								21 DA-B	14 DA-A	3 DA-B	7 DA-B	14 DA-B	21 DA-B	
1	Nontreated							0 e	0 c	0 a	0 c	0 d	0 d	95 a
2	V-10142	75	DG	6.4	OZ/A	PRE	A	95 bc	25 b	0 a	0 c	0 d	0 d	74 abc
3	V-10142	75	DG	8.5	OZ/A	PRE	A	97 ab	44 a	0 a	0 c	0 d	0 d	64 abc
4	Permit	75	WG	1	OZ/A	PRE	A	91 d	24 b	0 a	0 c	0 d	0 d	85 ab
5	V-10142	75	DG	3.2	OZ/A	MPOST	B	90 d			25 b	33 c	59 b	58 bc
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
6	V-10142	75	DG	6.4	OZ/A	MPOST	B	94 c			35 b	46 b	61 b	43 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
7	V-10142	75	DG	8.5	OZ/A	MPOST	B	90 d			29 b	30 c	48 c	84 ab
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
8	V-10142	75	DG	3.2	OZ/A	PRE	A	98 a	50 a	0 a	91 a	94 a	97 a	75 abc
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	98 a	0 c	0 a	85 a	93 a	96 a	89 ab
	V-10142	75	DG	3.2	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	97 a	0 c	0 a	89 a	91 a	98 a	89 ab
	Permit	75	WG	1	OZ/A	MPOST	B							
	SuperWham	4	SC	3	QT/A	MPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								1.4	10.9	0.0	6.7	8.6	3.7	21.4
CV								1.69	53.39	0.0	18.94	22.23	8.11	28.36

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs

Trial ID: 08-HR-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	36	
Pest Type									
Pest Code									
Rating Date								18-Sep-08	
Rating Data Type								Ldg Type	
Rating Unit								1-5	
Days After First/Last Applic.								128	101
Trt-Eval Interval									
1	Nontreated							4	A
2	V-10142	75	DG	6.4	OZ/A	PRE	A	4	A
3	V-10142	75	DG	8.5	OZ/A	PRE	A	3	A
4	Permit	75	WG	1	OZ/A	PRE	A	4	A
5	V-10142	75	DG	3.2	OZ/A	MPOST	B	3	A
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
6	V-10142	75	DG	6.4	OZ/A	MPOST	B	2	A
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
7	V-10142	75	DG	8.5	OZ/A	MPOST	B	4	A
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
8	V-10142	75	DG	3.2	OZ/A	PRE	A	3	A
	V-10142	75	DG	3.2	OZ/A	MPOST	B		
	SuperWham	4	SC	3	QT/A	MPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
9	Command	3	ME	1.33	PT/A	PRE	A	4	A
	V-10142	75	DG	3.2	OZ/A	MPOST	B		
	SuperWham	4	SC	3	QT/A	MPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
10	Command	3	ME	1.33	PT/A	PRE	A	4	A
	Permit	75	WG	1	OZ/A	MPOST	B		
	SuperWham	4	SC	3	QT/A	MPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	B		
Standard Deviation								1.3	
CV								36.69	

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10142 Weed Control Programs for Texasweed

Trial ID: 08-HR-39
Location: Greenville

Objectives:
Evaluate efficacy of V-10142 on texasweed.

Pest Description
Pest 1 Type: W **Code:** CNPPA Caperonia palustris
Common Name: texasweed

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
Soil Drainage: G Good

Application Description

	A	B
Application Date:	11-Jun-08	17-Jun-08
Time of Day:	7:30 am	9:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	MPOST	LPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV	JAB
Air Temperature, Unit:	77 F	85 F
% Relative Humidity:	79	75
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	Y	Y
Soil Moisture:	Adequate	Flood
% Cloud Cover:	0	15

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	CNPPA W	CNPPA W
Stage Majority, Percent:	6 LF	8 LF
Stage Minimum, Percent:	2 LF	4 LF
Stage Maximum, Percent:	9 LF	10 LF
Height, Unit:	5.5 IN	7 IN
Height Minimum, Maximum:	1 10	2 14
Density, Unit:	2 FT2	2 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	30 PSI	24 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	2.5 MPH

Date	By	Notes
11-Jun-08	JAB	Rice severely drought-stressed.
19-Jun-08	JAB	Range of control in each plot due to variable weed size at application.
26-Jun-08	JAB	Sequential application is best treatment.
2-Jul-08	JAB	V-10142 tank-mix increased consistency of SuperWham.

Mississippi State University - DREC
V-10142 Weed Control Programs for Texasweed

Trial ID: 08-HR-39
Location: Greenville

Pest Type														
Pest Code											W Weed		W Weed	W Weed
Rating Date											CNPPA		CNPPA	CNPPA
Rating Data Type								19-Jun-08	25-Jun-08		19-Jun-08		25-Jun-08	1-Jul-08
Rating Unit								Injury	Injury		Control		Control	Control
Days After First/Last Applic.								%	%		%		%	%
Trt-Eval Interval								8 2	14 8		8 2		14 8	20 14
								8 DA-A	14 DA-A		8 DA-A		14 DA-A	20 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2		3		4	5
1	Nontreated							0 b	0 a		0 d		0 e	0 d
2	V-10142	75	DG	3.2	OZ/A	MPOST	A	3 b	0 a		28 c		19 d	18 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
3	V-10142	75	DG	6.4	OZ/A	MPOST	A	0 b	0 a		29 c		23 d	20 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
4	V-10142	75	DG	8.5	OZ/A	MPOST	A	4 b	0 a		38 b		33 c	23 c
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
5	V-10142	75	DG	3.2	OZ/A	MPOST	A	13 a	0 a		78 a		89 a	90 a
	SuperWham	4	SC	3	QT/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
	V-10142	75	DG	3.2	OZ/A	LPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	LPOST	B							
6	V-10142	75	DG	3.2	OZ/A	MPOST	A	13 a	0 a		76 a		80 b	74 b
	SuperWham	4	SC	3	QT/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
7	Permit	75	WG	1	OZ/A	MPOST	A	13 a	0 a		80 a		76 b	73 b
	SuperWham	4	SC	3	QT/A	MPOST	A							
	Dyne-A-Pak		L	19.2	FL OZ/A	MPOST	A							
Standard Deviation								3.8	0.0		5.6		5.9	6.4
CV								59.72	0.0		12.06		12.87	15.01

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Halomax 75 Tolerance and Efficacy

Trial ID: 08-HR-40
Location: DREC

Objectives:
Compare rice tolerance and efficacy of Halomax 75 to Permit.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description

Pest 1 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 4 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	21-May-08	Command	2	ME	1.33	PT/A	Y
4.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
5.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description

% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Halomax 75 Tolerance and Efficacy

Trial ID: 08-HR-40
Location: DREC

Application Description

	A
Application Date:	10-Jun-08
Time of Day:	6:30 am
Application Method:	Broadcast
Application Timing:	MPOST
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	74 F
% Relative Humidity:	77
Wind Velocity, Unit:	1.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Mud
% Cloud Cover:	75

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	1 TIL
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	1 TIL
Height, Unit:	7.5 IN
Height Minimum, Maximum:	7 8

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	10 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	11 LF
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10
Density, Unit:	11 FT2
Pest 2 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	9 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	10 LF
Height, Unit:	8 IN
Height Minimum, Maximum:	6 10
Density, Unit:	3 FT2
Pest 3 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	9 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	10 LF
Height, Unit:	8 IN
Height Minimum, Maximum:	6 10
Density, Unit:	3 FT2
Pest 4 Code, Disc., Scale:	AMAPA W
Stage Majority, Percent:	9 LF
Stage Minimum, Percent:	7 LF
Stage Maximum, Percent:	10 LF
Height, Unit:	6 IN
Height Minimum, Maximum:	5 7
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	28 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Mississippi State University - DREC
Halomax 75 Tolerance and Efficacy

Trial ID: 08-HR-40
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type											W Weed	W Weed	W Weed	W Weed
Pest Code											SEBEX	SEBEX	SEBEX	IPOHE
Rating Date								17-Jun-08	24-Jun-08	8-Jul-08	17-Jun-08	24-Jun-08	8-Jul-08	17-Jun-08
Rating Data Type								Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	28 28	7 7	14 14	28 28	7 7
Trt-Eval Interval								7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A	7 DA-A
1	Nontreated							0 c	0 a	0 a	0 d	0 e	0 c	0 d
2	SuperWham	4	SC	4	QT/A	MPOST	B	4 a	0 a	0 a	97 a	99 a	99 a	97 a
	Facet	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Permit	75	WG	0.67	OZ/A	MPOST	B	0 c	0 a	0 a	45 c	69 d	89 b	31 c
	Induce		L	4.8	FL OZ/A	MPOST	B							
4	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B	0 c	0 a	0 a	55 b	80 c	95 a	43 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
5	Permit	75	WG	1.33	OZ/A	MPOST	B	0 c	0 a	0 a	61 b	90 b	97 a	46 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
6	Halomax 75	75	WDG	1.33	OZ/A	MPOST	B	0 c	0 a	0 a	60 b	88 b	99 a	48 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
7	SuperWham	4	SC	4	QT/A	MPOST	B	0 c	0 a	0 a	95 a	99 a	99 a	95 a
	Londax	60	DF	0.5	OZ/A	MPOST	B							
	Permit	75	WG	0.67	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	SuperWham	4	SC	4	QT/A	MPOST	B	2 b	0 a	0 a	97 a	99 a	99 a	93 a
	Londax	60	DF	0.5	OZ/A	MPOST	B							
	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								1.2	0.0	0.0	5.0	4.2	3.6	4.9
CV								165.34	0.0	0.0	7.77	5.45	4.27	8.68

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	AMAPA	AMAPA
Rating Date								24-Jun-08	8-Jul-08	17-Jun-08	24-Jun-08	8-Jul-08	17-Jun-08	24-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	28 28	7 7	14 14	28 28	7 7	14 14
Trt-Eval Interval								14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A
1	Nontreated							0 d	0 c	0 d	0 e	0 d	0 d	0 c
2	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	99 a	97 a	99 a	99 a	97 a	99 a
	Facet	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Permit	75	WG	0.67	OZ/A	MPOST	B	70 c	96 b	31 c	69 d	96 bc	11 c	40 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
4	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B	74 c	96 b	43 b	75 c	95 c	18 bc	41 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
5	Permit	75	WG	1.33	OZ/A	MPOST	B	81 b	98 ab	46 b	81 b	98 ab	21 b	39 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
6	Halomax 75	75	WDG	1.33	OZ/A	MPOST	B	79 b	99 a	48 b	79 b	99 a	21 b	44 b
	Induce		L	4.8	FL OZ/A	MPOST	B							
7	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	99 a	92 a	99 a	99 a	92 a	96 a
	Londax	60	DF	0.5	OZ/A	MPOST	B							
	Permit	75	WG	0.67	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	99 a	95 a	99 a	99 a	93 a	99 a
	Londax	60	DF	0.5	OZ/A	MPOST	B							
	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								3.0	1.3	4.9	2.5	1.6	4.6	5.0
CV								3.95	1.47	8.69	3.38	1.92	10.35	8.7

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Halomax 75 Tolerance and Efficacy

Trial ID: 08-HR-40
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17
	Pest Type							W Weed		
	Pest Code							AMAPA		
	Rating Date							8-Jul-08	18-Sep-08	18-Sep-08
	Rating Data Type							Control	Ldg Rate	Ldg Type
	Rating Unit							%	%	1-5
	Days After First/Last Applic.							28 28	100 100	100 100
	Trt-Eval Interval							28 DA-A	100 DA-A	100 DA-A
1	Nontreated							0 d	98 a	5 a
2	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	51 b	3 a
	Facet	75	DF	0.5	LB/A	MPOST	B			
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B			
3	Permit	75	WG	0.67	OZ/A	MPOST	B	79 bc	95 a	5 a
	Induce		L	4.8	FL OZ/A	MPOST	B			
4	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B	78 c	88 ab	5 a
	Induce		L	4.8	FL OZ/A	MPOST	B			
5	Permit	75	WG	1.33	OZ/A	MPOST	B	85 b	55 b	4 a
	Induce		L	4.8	FL OZ/A	MPOST	B			
6	Halomax 75	75	WDG	1.33	OZ/A	MPOST	B	80 bc	78 ab	4 a
	Induce		L	4.8	FL OZ/A	MPOST	B			
7	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	54 b	3 a
	Londax	60	DF	0.5	OZ/A	MPOST	B			
	Permit	75	WG	0.67	OZ/A	MPOST	B			
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B			
8	SuperWham	4	SC	4	QT/A	MPOST	B	99 a	61 ab	3 a
	Londax	60	DF	0.5	OZ/A	MPOST	B			
	Halomax 75	75	WDG	0.67	OZ/A	MPOST	B			
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B			
	Standard Deviation							4.4	23.9	1.2
	CV							5.7	32.99	32.06

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Efficacy of Preplant Permit Applications

Trial ID: 08-HR-41
Location: DREC

Objectives:
Quantify the benefits of Permit on rice yields when applied as a preplant treatment

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: XL723 **Description:** Hybrid variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 40 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 23-May-08

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	12-Jun-08	Aim	2	EC	1	FL OZ/A	Y
3.	12-Jun-08	Agri-Dex		L	1	%v/v	Y
4.	18-Jun-08	Ultra Blazer	2	L	1	PT/A	Y
5.	18-Jun-08	Agri-Dex		L	1	%v/v	Y
6.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Efficacy of Preplant Permit Applications

Trial ID: 08-HR-41
Location: DREC

Application Description

	A
Application Date:	13-May-08
Time of Day:	6:00 pm
Application Method:	Broadcast
Application Timing:	0 DPP
Application Placement:	Soil
Applied By:	LCV, RCB
Air Temperature, Unit:	75 F
% Relative Humidity:	47
Wind Velocity, Unit:	11 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	81 F
Soil Moisture:	Dry
% Cloud Cover:	100

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	36 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
13-May-08	JAB	Sprayed on 0 DPP with blockers
27-May-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant.

Mississippi State University - DREC
Efficacy of Preplant Permit Applications

Trial ID: 08-HR-41
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
Pest Type											W Weed	W Weed	W Weed
Pest Code											SEBEX	SEBEX	SEBEX
Rating Date								27-May-08	4-Jun-08	10-Jun-08	27-May-08	4-Jun-08	10-Jun-08
Rating Data Type								Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								14 14	22 22	28 28	14 14	22 22	28 28
Trt-Eval Interval								14 DA-A	22 DA-A	28 DA-A	14 DA-A	22 DA-A	28 DA-A
1	Nontreated							0 a	0 a	0 a	0 c	0 d	0 d
2	Command	3	ME	1.33	PT/A	0-5 DPP	A	0 a	0 a	0 a	0 c	0 d	0 d
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
3	Command	3	ME	1.33	PT/A	0-5 DPP	A	4 a	0 a	0 a	40 b	23 bc	19 c
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
4	Command	3	ME	1.33	PT/A	0-5 DPP	A	3 a	0 a	0 a	46 ab	31 ab	25 bc
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3124	75	WG	0.08	OZ/A	0-5 DPP	A						
5	Command	3	ME	1.33	PT/A	0-5 DPP	A	1 a	0 a	0 a	40 b	11 cd	5 d
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3404	75	WDG	0.75	OZ/A	0-5 DPP	A						
6	Command	3	ME	1.33	PT/A	0-5 DPP	A	3 a	0 a	0 a	51 a	30 ab	29 bc
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3124	75	WG	0.3	OZ/A	0-5 DPP	A						
7	Command	3	ME	1.33	PT/A	0-5 DPP	A	0 a	0 a	0 a	6 c	0 d	0 d
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3405	75	WDG	1	OZ/A	0-5 DPP	A						
8	Command	3	ME	1.33	PT/A	0-5 DPP	A	6 a	3 a	0 a	46 ab	40 a	39 ab
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3125	75	WG	0.17	OZ/A	0-5 DPP	A						
9	Command	3	ME	1.33	PT/A	0-5 DPP	A	4 a	2 a	0 a	45 ab	36 a	33 abc
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3406	75	WDG	0.85	OZ/A	0-5 DPP	A						
10	Command	3	ME	1.33	PT/A	0-5 DPP	A	4 a	0 a	0 a	49 ab	43 a	44 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	1	OZ/A	0-5 DPP	A						
Standard Deviation								2.9	1.8	0.0	6.5	8.2	8.9
CV								118.14	400.5	0.0	20.09	38.35	46.44

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Efficacy of Preplant Permit Applications

Trial ID: 08-HR-41
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOHE	IPOLA	IPOLA	IPOLA
Rating Date								27-May-08	4-Jun-08	10-Jun-08	27-May-08	4-Jun-08	10-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								14 14	22 22	28 28	14 14	22 22	28 28
Trt-Eval Interval								14 DA-A	22 DA-A	28 DA-A	14 DA-A	22 DA-A	28 DA-A
1	Nontreated							0 e	0 e	0 e	0 e	0 e	0 e
2	Command	3	ME	1.33	PT/A	0-5 DPP	A	0 e	0 e	0 e	0 e	0 e	0 e
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
3	Command	3	ME	1.33	PT/A	0-5 DPP	A	29 cd	46 bcd	54 cd	29 cd	46 bcd	54 cd
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
4	Command	3	ME	1.33	PT/A	0-5 DPP	A	34 bc	58 a	61 bcd	34 bc	58 a	61 bcd
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3124	75	WG	0.08	OZ/A	0-5 DPP	A						
5	Command	3	ME	1.33	PT/A	0-5 DPP	A	34 bc	44 cd	51 d	34 bc	44 cd	51 d
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3404	75	WDG	0.75	OZ/A	0-5 DPP	A						
6	Command	3	ME	1.33	PT/A	0-5 DPP	A	41 ab	55 ab	58 cd	41 ab	55 ab	58 cd
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3124	75	WG	0.3	OZ/A	0-5 DPP	A						
7	Command	3	ME	1.33	PT/A	0-5 DPP	A	24 d	38 d	54 cd	24 d	38 d	54 cd
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3405	75	WDG	1	OZ/A	0-5 DPP	A						
8	Command	3	ME	1.33	PT/A	0-5 DPP	A	36 abc	61 a	73 ab	36 abc	63 a	73 ab
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A						
	GWN 3125	75	WG	0.17	OZ/A	0-5 DPP	A						
9	Command	3	ME	1.33	PT/A	0-5 DPP	A	38 ab	54 abc	66 abc	38 ab	54 abc	66 abc
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	GWN 3406	75	WDG	0.85	OZ/A	0-5 DPP	A						
10	Command	3	ME	1.33	PT/A	0-5 DPP	A	43 a	64 a	74 a	43 a	64 a	74 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A						
	Permit	75	WG	1	OZ/A	0-5 DPP	A						
Standard Deviation								5.2	6.6	7.9	5.2	6.8	7.9
CV								18.8	15.7	16.09	18.8	16.1	16.09

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Efficacy of Preplant Permit Applications

Trial ID: 08-HR-41
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 27-May-08 Control % 14 14 14 DA-A 13	W Weed AMAPA 4-Jun-08 Control % 22 22 22 DA-A 14	W Weed AMAPA 10-Jun-08 Control % 28 28 28 DA-A 15
1	Nontreated							0 c	0 b	0 b
2	Command	3	ME	1.33	PT/A	0-5 DPP	A	0 c	0 b	0 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
3	Command	3	ME	1.33	PT/A	0-5 DPP	A	34 a	13 ab	0 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A			
4	Command	3	ME	1.33	PT/A	0-5 DPP	A	34 a	24 a	15 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A			
	GWN 3124	75	WG	0.08	OZ/A	0-5 DPP	A			
5	Command	3	ME	1.33	PT/A	0-5 DPP	A	34 a	3 b	0 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	GWN 3404	75	WDG	0.75	OZ/A	0-5 DPP	A			
6	Command	3	ME	1.33	PT/A	0-5 DPP	A	45 a	10 ab	0 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A			
	GWN 3124	75	WG	0.3	OZ/A	0-5 DPP	A			
7	Command	3	ME	1.33	PT/A	0-5 DPP	A	16 b	0 b	0 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	GWN 3405	75	WDG	1	OZ/A	0-5 DPP	A			
8	Command	3	ME	1.33	PT/A	0-5 DPP	A	38 a	19 a	8 ab
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	Permit	75	WG	0.67	OZ/A	0-5 DPP	A			
	GWN 3125	75	WG	0.17	OZ/A	0-5 DPP	A			
9	Command	3	ME	1.33	PT/A	0-5 DPP	A	41 a	15 ab	11 ab
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	GWN 3406	75	WDG	0.85	OZ/A	0-5 DPP	A			
10	Command	3	ME	1.33	PT/A	0-5 DPP	A	43 a	13 ab	5 ab
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	0-5 DPP	A			
	Permit	75	WG	1	OZ/A	0-5 DPP	A			
Standard Deviation								8.8	9.5	7.3
CV								30.91	100.42	188.59

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Efficacy of Preflood Permit Applications

Trial ID: 08-HR-42
Location: DREC

Objectives:
Evaluate Permit in a preflood weed control program for broadleaf weeds and sedges applied alone and tank-mixed with other broadleaf and grass herbicides.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: XL723 **Description:** Hybrid variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 23-May-08

Pest Description
Pest 1 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 4 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	21-May-08	Command	3	ME	1.33	PT/A	N
3.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
4.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16/Apr/2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Efficacy of Preflood Permit Applications

Trial ID: 08-HR-42
Location: DREC

Application Description

	A
Application Date:	9-Jun-08
Time of Day:	6:30 am
Application Method:	Broadcast
Application Timing:	MPOST
Application Placement:	Foliar
Applied By:	LCV
Air Temperature, Unit:	80 F
% Relative Humidity:	75
Wind Velocity, Unit:	3 MPH
Wind Direction:	SW
Dew Presence (Y/N):	Y
Soil Moisture:	Adequate
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	1 TIL
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	1 TIL
Height, Unit:	7.5 IN
Height Minimum, Maximum:	7 8

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	9 LF
Stage Minimum, Percent:	8 LF
Stage Maximum, Percent:	10 LF
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10
Density, Unit:	14 FT2
Pest 2 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	7 LF
Height, Unit:	5 IN
Height Minimum, Maximum:	3 6
Density, Unit:	4 FT2
Pest 3 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	7 LF
Height, Unit:	5 IN
Height Minimum, Maximum:	3 6
Density, Unit:	4 FT2
Pest 4 Code, Disc., Scale:	AMAPA W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	5 LF
Stage Maximum, Percent:	7 LF
Height, Unit:	4 IN
Height Minimum, Maximum:	3 5
Density, Unit:	2 FT2

Mississippi State University - DREC
Efficacy of Preflood Permit Applications

Trial ID: 08-HR-42
Location: DREC

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	33 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
23-Jun-08	JAB	Approximately 50% of Palmer amaranth was ALS-resistant.

Mississippi State University - DREC
Efficacy of Preflood Permit Applications

Trial ID: 08-HR-42
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type											W Weed	W Weed	W Weed	W Weed
Pest Code											SEBEX	SEBEX	SEBEX	IPOHE
Rating Date								16-Jun-08	23-Jun-08	7-Jul-08	16-Jun-08	23-Jun-08	7-Jul-08	16-Jun-08
Rating Data Type								Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	28 28	7 7	14 14	28 28	7 7
Trt-Eval Interval								7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A	7 DA-A
1	Nontreated							0 a	0 a	0 a	0 e	0 e	0 d	0 d
2	Permit	75	WG	0.67	OZ/A	M or LPOST	B	0 a	0 a	0 a	44 d	59 d	73 c	23 c
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
3	Permit	75	WG	0.67	OZ/A	M or LPOST	B	0 a	0 a	0 a	50 bc	68 c	76 c	29 abc
	GWN 3124	75	WG	0.08	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
4	GWN 3404	75	WDG	0.75	OZ/A	M or LPOST	B	0 a	0 a	0 a	46 cd	66 c	79 c	24 bc
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
5	Permit	75	WG	0.67	OZ/A	M or LPOST	B	0 a	0 a	0 a	58 a	89 a	96 a	34 a
	GWN 3124	75	WG	0.08	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
6	GWN 3405	75	WDG	1	OZ/A	M or LPOST	B	0 a	0 a	0 a	54 ab	78 b	86 b	29 abc
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
7	Permit	75	WG	0.67	OZ/A	M or LPOST	B	0 a	0 a	0 a	55 ab	76 b	88 b	30 ab
	GWN 3125	75	WG	0.17	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
8	GWN 3406	75	WDG	0.85	OZ/A	M or LPOST	B	0 a	0 a	0 a	53 ab	75 b	88 b	28 abc
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
Standard Deviation								0.0	0.0	0.0	3.9	2.8	4.5	4.0
CV								0.0	0.0	0.0	8.66	4.45	6.09	16.29

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOHE	IPOHE	IPOLA	IPOLA	IPOLA	AMAPA	AMAPA
Rating Date								23-Jun-08	7-Jul-08	16-Jun-08	23-Jun-08	7-Jul-08	16-Jun-08	23-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	28 28	7 7	14 14	28 28	7 7	14 14
Trt-Eval Interval								14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A
1	Nontreated							0 d	0 d	0 d	0 e	0 c	0 c	0 d
2	Permit	75	WG	0.67	OZ/A	M or LPOST	B	46 c	78 c	23 c	49 d	61 b	10 b	33 c
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
3	Permit	75	WG	0.67	OZ/A	M or LPOST	B	61 b	86 b	29 abc	60 c	85 a	10 bc	50 ab
	GWN 3124	75	WG	0.08	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
4	GWN 3404	75	WDG	0.75	OZ/A	M or LPOST	B	60 b	90 ab	24 bc	59 c	89 a	15 b	50 ab
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
5	Permit	75	WG	0.67	OZ/A	M or LPOST	B	76 a	96 a	34 a	78 a	93 a	26 a	59 a
	GWN 3124	75	WG	0.08	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
6	GWN 3405	75	WDG	1	OZ/A	M or LPOST	B	66 ab	91 ab	29 abc	68 bc	91 a	11 b	50 ab
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
7	Permit	75	WG	0.67	OZ/A	M or LPOST	B	73 a	90 ab	30 ab	75 ab	90 a	14 b	54 ab
	GWN 3125	75	WG	0.17	OZ/A	M or LPOST	B							
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
8	GWN 3406	75	WDG	0.85	OZ/A	M or LPOST	B	66 ab	93 a	28 abc	68 bc	90 a	9 bc	43 bc
	Induce		L	4.8	FL OZ/A	M or LPOST	B							
Standard Deviation								6.8	3.7	4.0	6.2	5.9	6.3	8.9
CV								12.17	4.79	16.29	10.89	7.9	53.19	21.15

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Weed Control with KFD-55-01 in Rice

Trial ID: 08-HR-43
Location: DREC

Objectives:
Determine efficacy of KFD-55-01 vs. Duet and a standard program with and without Permit for residual weed control in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 2 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 3 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Weed Control with KFD-55-01 in Rice

Trial ID: 08-HR-43
Location: DREC

Application Description

	A	B
Application Date:	13-May-08	9-Jun-08
Time of Day:	5:30 pm	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	PRE	MPOST
Application Placement:	Soil	Foliar
Applied By:	JAB	JAB, LCV
Air Temperature, Unit:	75 F	80 F
% Relative Humidity:	47	75
Wind Velocity, Unit:	11 MPH	2 MPH
Wind Direction:	SE	SW
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	81 F	
Soil Moisture:	Dry	Adequate
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:		ORYSA
Stage Majority, Percent:		1 TIL
Stage Minimum, Percent:		4 LF
Stage Maximum, Percent:		1 TIL
Height, Unit:		7.5 IN
Height Minimum, Maximum:		7 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:		9 LF
Stage Minimum, Percent:		8 LF
Stage Maximum, Percent:		10 LF
Height, Unit:		9 IN
Height Minimum, Maximum:		8 10
Density, Unit:		9 FT2
Pest 2 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		5 LF
Stage Minimum, Percent:		3 LF
Stage Maximum, Percent:		7 LF
Height, Unit:		5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		4 FT2
Pest 3 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:		5 LF
Stage Minimum, Percent:		3 LF
Stage Maximum, Percent:		7 LF
Height, Unit:		5 IN
Height Minimum, Maximum:		3 6
Density, Unit:		4 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
13-May-08	JAB	Sprayed PRE with blockers

Mississippi State University - DREC
Weed Control with KFD-55-01 in Rice

Trial ID: 08-HR-43
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type												W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG
Rating Date								27-May-08	16-Jun-08	23-Jun-08	7-Jul-08	27-May-08	16-Jun-08	23-Jun-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 14	34 7	41 14	55 28	14 14	34 7	41 14
Trt-Eval Interval								14 DA-A	7 DA-B	14 DA-B	28 DA-B	14 DA-A	7 DA-B	14 DA-B
1	Nontreated							0 A	0 a	0 a	0 a	0 b	0 b	0 c
2	Command	3	ME	1.33	PT/A	PRE	A	0 A	5 a	5 a	0 a	95 a	98 a	94 b
	Stam	80	EDF	5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	0 A	5 a	5 a	0 a	95 a	98 a	97 ab
	Duet	4.03	SC	4	QT/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	0 A	0 a	0 a	0 a	95 a	98 a	96 ab
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	0 A	1 a	0 a	0 a	95 a	98 a	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Londax	60	DF	1.0	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	0 A	1 a	0 a	0 a	95 a	98 a	98 a
	Duet	4.03	SC	4	QT/A	MPOST	A							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Command	3	ME	1.33	PT/A	PRE	A	0 A	0 a	0 a	0 a	95 a	98 a	96 ab
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Command	3	ME	1.33	PT/A	PRE	A	0 A	1 a	0 a	0 a	95 a	98 a	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Londax	60	DF	1.0	OZ/A	MPOST	B							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	0 A	0 a	0 a	0 a	95 a	98 a	95 b
	Stam	80	EDF	5	LB/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	0 A	1 a	0 a	0 a	95 a	98 a	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Facet	75	DF	0.67	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								0.0	3.4	4.2	0.0	0.0	0.0	2.0
CV								0.0	225.9	421.64	0.0	0.0	0.0	2.32

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Weed Control with KFD-55-01 in Rice

Trial ID: 08-HR-43
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed ECHCG 7-Jul-08 Control % 55 28 28 DA-B	W Weed SEBEX 16-Jun-08 Control % 34 7 7 DA-B	W Weed SEBEX 23-Jun-08 Control % 41 14 14 DA-B	W Weed SEBEX 7-Jul-08 Control % 55 28 28 DA-B	W Weed IPOHE 16-Jun-08 Control % 34 7 7 DA-B	W Weed IPOHE 23-Jun-08 Control % 41 14 14 DA-B	W Weed IPOHE 7-Jul-08 Control % 55 28 28 DA-B
								8	9	10	11	12	13	14
1	Nontreated							0 d	0 e	0 d	0 c	0 d	0 e	0 b
2	Command	3	ME	1.33	PT/A	PRE	A	94 c	97 ab	92 bc	85 b	76 bc	75 d	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Command	3	ME	1.33	PT/A	PRE	A	97 ab	97 abc	97 ab	89 b	84 b	96 ab	98 a
	Duet	4.03	SC	4	QT/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Command	3	ME	1.33	PT/A	PRE	A	96 abc	94 d	91 c	85 b	76 bc	92 ab	97 a
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Command	3	ME	1.33	PT/A	PRE	A	98 a	96 a-d	97 a	98 a	78 bc	80 cd	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Londax	60	DF	1.0	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Command	3	ME	1.33	PT/A	PRE	A	98 a	95 bcd	98 a	96 a	81 b	91 abc	98 a
	Duet	4.03	SC	4	QT/A	MPOST	A							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Command	3	ME	1.33	PT/A	PRE	A	96 abc	94 d	92 bc	84 b	75 bc	88 abc	98 a
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Command	3	ME	1.33	PT/A	PRE	A	98 a	95 bcd	98 a	98 a	76 bc	84 bcd	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Londax	60	DF	1.0	OZ/A	MPOST	B							
	Permit	75	WG	0.25	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Command	3	ME	1.33	PT/A	PRE	A	95 bc	95 cd	95 abc	98 a	71 c	74 d	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
10	Command	3	ME	1.33	PT/A	PRE	A	98 a	98 a	99 a	99 a	97 a	99 a	98 a
	Stam	80	EDF	5	LB/A	MPOST	B							
	Facet	75	DF	0.67	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								2.0	1.6	2.9	4.0	5.5	7.5	0.5
CV								2.28	1.9	3.42	4.83	7.67	9.7	0.54

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Weed Control with KFD-55-01 in Rice

Trial ID: 08-HR-43
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed IPOLA 16-Jun-08 Control % 34 7 7 DA-B 15	W Weed IPOLA 23-Jun-08 Control % 41 14 14 DA-B 16	W Weed IPOLA 7-Jul-08 Control % 55 28 28 DA-B 17	23-Sep-08 Ldg Rate % 133 106 18	23-Sep-08 Ldg Type 1-5 133 106 19
1	Nontreated							0 e	0 f	0 b	93 a	5 a
2	Command	3	ME	1.33	PT/A	PRE	A	75 d	79 e	98 a	45 bc	3 a
	Stam	80	EDF	5	LB/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
3	Command	3	ME	1.33	PT/A	PRE	A	88 ab	98 a	98 a	40 bc	2 a
	Duet	4.03	SC	4	QT/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
4	Command	3	ME	1.33	PT/A	PRE	A	80 cd	92 abc	97 a	33 bc	3 a
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
5	Command	3	ME	1.33	PT/A	PRE	A	83 bc	85 cde	98 a	75 ab	4 a
	Stam	80	EDF	5	LB/A	MPOST	B					
	Londax	60	DF	1.0	OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
6	Command	3	ME	1.33	PT/A	PRE	A	88 ab	93 ab	98 a	62 abc	5 a
	Duet	4.03	SC	4	QT/A	MPOST	A					
	Permit	75	WG	0.25	OZ/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
7	Command	3	ME	1.33	PT/A	PRE	A	84 bc	92 abc	98 a	22 c	2 a
	KFD-55-01	75	WDG	5.33	LB/A	MPOST	A					
	Permit	75	WG	0.25	OZ/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
8	Command	3	ME	1.33	PT/A	PRE	A	81 bcd	88 bcd	98 a	60 abc	4 a
	Stam	80	EDF	5	LB/A	MPOST	B					
	Londax	60	DF	1.0	OZ/A	MPOST	B					
	Permit	75	WG	0.25	OZ/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
9	Command	3	ME	1.33	PT/A	PRE	A	78 cd	83 de	98 a	70 ab	4 a
	Stam	80	EDF	5	LB/A	MPOST	B					
	Permit	75	WG	1	OZ/A	MPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
10	Command	3	ME	1.33	PT/A	PRE	A	94 a	98 a	98 a	65 abc	4 a
	Stam	80	EDF	5	LB/A	MPOST	B					
	Facet	75	DF	0.67	LB/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
Standard Deviation								4.5	5.4	0.5	23.2	1.2
CV								6.07	6.71	0.54	41.03	34.52

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Objectives:
Determine weed control efficacy and crop safety of Ultra Blazer and Storm for broadleaf weed control in a Clearfield rice system.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Application Description

	A	B
Application Date:	26-May-08	9-Jun-08
Time of Day:	7:30 am	7:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	JAB, RCB	LCV
Air Temperature, Unit:	81 F	84 F
% Relative Humidity:	88	77
Wind Velocity, Unit:	2 MPH	3 MPH
Wind Direction:	S	SW
Dew Presence (Y/N):	Y	Y
Soil Temperature, Unit:	82 F	
Soil Moisture:	Mud	Adequate
% Cloud Cover:	30	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 LF	1 TIL
Stage Minimum, Percent:	2 LF	4 LF
Stage Maximum, Percent:	2 LF	1 TIL
Height, Unit:	3.5 IN	7.5 IN
Height Minimum, Maximum:	3 4	7 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	2 LF	3 LF
Stage Minimum, Percent:	2 LF	3 LF
Stage Maximum, Percent:	2 LF	3 LF
Height, Unit:	1 IN	1 IN
Height Minimum, Maximum:	1 1	1 1
Density, Unit:	3 FT2	3 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:	2 LF	9 LF
Stage Minimum, Percent:	2 LF	8 LF
Stage Maximum, Percent:	2 LF	10 LF
Height, Unit:	3 IN	9 IN
Height Minimum, Maximum:	3 3	8 10
Density, Unit:	14 FT2	14 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	1 LF	3 LF
Stage Minimum, Percent:	1 LF	3 LF
Stage Maximum, Percent:	1 LF	3 LF
Height, Unit:	2 IN	2 IN
Height Minimum, Maximum:	2 2	2 2
Density, Unit:	4 FT2	4 FT2
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:	1 LF	3 LF
Stage Minimum, Percent:	1 LF	3 LF
Stage Maximum, Percent:	1 LF	3 LF
Height, Unit:	2 IN	2 IN
Height Minimum, Maximum:	2 2	2 2
Density, Unit:	4 FT2	4 FT2
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W
Stage Majority, Percent:	1 LF	4 LF
Stage Minimum, Percent:	1 LF	3 LF
Stage Maximum, Percent:	1 LF	4 LF
Height, Unit:	1 IN	3.5 IN
Height Minimum, Maximum:	1 1	3 4
Density, Unit:	3 FT2	3 FT2

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7	8
Pest Type												W Weed	W Weed	W Weed	W Weed
Pest Code												ECHCG	ECHCG	ECHCG	ECHCG
Rating Date								9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08	9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08
Rating Data Type								Injury	Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%	%
Days After First/Last Applic.								14 0	21 7	28 14	42 28	14 0	21 7	28 14	42 28
Trt-Eval Interval								14 DA-A	7 DA-B	14 DA-B	28 DA-B	14 DA-A	7 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 a	0 a	0 a	0 a	0 b	0 b	0 c	0 c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	98 a	95 b	95 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	94 a	98 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	98 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	1	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	98 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Storm	4	L	1.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	94 a	98 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Aim	2	EC	1	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	98 a	98 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Stam M-4	4	EC	2	QT/A	MPOST	B								
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	94 a	98 a	94 b	94 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Londax	60	DF	0.5	OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
Standard Deviation								0.0	0.0	0.0	0.0	1.3	0.0	1.6	1.6
CV								0.0	0.0	0.0	0.0	1.57	0.0	1.88	1.88

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12	13	14	15	16
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08	9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%	%
Days After First/Last Applic.								14 0	21 7	28 14	42 28	14 0	21 7	28 14	42 28
Trt-Eval Interval								14 DA-A	7 DA-B	14 DA-B	28 DA-B	14 DA-A	7 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 a	0 d	0 e	0 e	0 b	0 g	0 c	0 d
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 d	0 e	0 e	50 a	71 f	68 b	76 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	92 b	88 c	80 c	51 a	85 cd	97 a	94 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	98 a	95 ab	93 ab	53 a	89 bc	96 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	1	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	98 a	97 a	97 a	53 a	90 b	97 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Storm	4	L	1.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	97 a	94 ab	94 ab	50 a	95 a	97 a	97 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Aim	2	EC	1	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	93 b	91 bc	88 b	50 a	80 e	98 a	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Stam M-4	4	EC	2	QT/A	MPOST	B								
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	88 c	73 d	71 d	49 a	84 de	95 a	84 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Londax	60	DF	0.5	OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
Standard Deviation								0.0	2.0	3.7	4.7	4.2	3.0	3.3	3.3
CV								0.0	2.83	5.51	7.19	9.52	4.0	4.12	4.15

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ultra Blazer and Storm Efficacy in Clearfield Rice

Trial ID: 08-HR-44
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17	18	19	20	21	22	23	24
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								IPOLA	IPOLA	IPOLA	IPOLA	AMAPA	AMAPA	AMAPA	AMAPA
Rating Date								9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08	9-Jun-08	16-Jun-08	23-Jun-08	7-Jul-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%	%
Days After First/Last Applic.								14 0	21 7	28 14	42 28	14 0	21 7	28 14	42 28
Trt-Eval Interval								14 DA-A	7 DA-B	14 DA-B	28 DA-B	14 DA-A	7 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 b	0 e	0 c	0 d	0 a	0 c	0 d	0 d
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	50 a	71 d	68 b	78 c	0 a	0 c	25 c	59 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	51 a	88 b	96 a	94 a	0 a	81 ab	89 a	94 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	55 a	93 a	96 a	98 a	0 a	84 a	93 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	1	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	53 a	93 a	97 a	98 a	0 a	83 ab	89 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Storm	4	L	1.5	PT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	50 a	95 a	97 a	96 a	0 a	78 ab	81 ab	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Aim	2	EC	1	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	50 a	79 c	98 a	96 a	0 a	76 b	89 a	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Stam M-4	4	EC	2	QT/A	MPOST	B								
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	49 a	86 b	95 a	84 b	0 a	76 b	76 b	83 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ultra Blazer	2	L	0.5	PT/A	MPOST	B								
	Londax	60	DF	0.5	OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
Standard Deviation								4.2	2.5	3.5	3.7	0.0	4.2	7.5	3.6
CV								9.5	3.37	4.28	4.55	0.0	6.99	11.15	4.67

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
KFD-53-01 Efficacy in Clearfield Rice

Trial ID: 08-HR-45
Location: DREC - Red Rice Field

Objectives:
Determine weed control efficacy and crop safety of Stam M-4 and KFD-53-01 in a Clearfield rice system.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Cleafield vareity
BBCH Scale: BRIC **Planting Date:** 21-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 79 F
Soil Moisture: Adequate

Pest Description
Pest 1 Type: W **Code:** ORYSA Oryza sativa
Common Name: Red rice

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** LEFPA Leptochloa panicoides
Common Name: Amazon sprangletop

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	21-May-08	Roundup Weathermax	5.5	SL	32	FL OZ/A	N
2.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Apr 2008
Triple K, Apr 2008
Triple K, 21-May-2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 3 **Unit:** MI

	Date	Type
1.	6-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
KFD-53-01 Efficacy in Clearfield Rice

Trial ID: 08-HR-45
Location: DREC - Red Rice Field

Application Description

	A	B
Application Date:	2-Jun-08	10-Jun-08
Time of Day:	8:00 am	2:00 pm
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV	LCV
Air Temperature, Unit:	75 F	84 F
% Relative Humidity:	77	88
Wind Velocity, Unit:	0 MPH	2 MPH
Wind Direction:		N
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	82 F	
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	0	50

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 LF	4 LF
Stage Minimum, Percent:	2 LF	3 LF
Stage Maximum, Percent:	2 LF	4 LF
Height, Unit:	5 IN	7 IN
Height Minimum, Maximum:	4 6	6 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ORYSA W	ORYSA W
Stage Majority, Percent:	3 LF	3 LF
Stage Minimum, Percent:	2 LF	2 LF
Stage Maximum, Percent:	3 LF	3 LF
Height, Unit:	5 IN	5 IN
Height Minimum, Maximum:	4 6	4 6
Density, Unit:	2 FT2	2 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:	4 LF	6 LF
Stage Minimum, Percent:	3 LF	5 LF
Stage Maximum, Percent:	4 LF	6 LF
Height, Unit:	5 IN	6 IN
Height Minimum, Maximum:	4 6	5 7
Density, Unit:	3 FT2	3 FT2
Pest 3 Code, Disc., Scale:	LEFPA W	LEFPA W
Stage Majority, Percent:	3 LF	4 LF
Stage Minimum, Percent:	2 LF	3 LF
Stage Maximum, Percent:	3 LF	4 LF
Height, Unit:	1.5 IN	4 IN
Height Minimum, Maximum:	1 2	3 5
Density, Unit:	50 FT2	50 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	28 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3 MPH

Mississippi State University - DREC
KFD-53-01 Efficacy in Clearfield Rice

Trial ID: 08-HR-45
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9-Jun-08 Injury % 7 7 7 DA-A 1	17-Jun-08 Injury % 15 7 7 DA-B 2	24-Jun-08 Injury % 22 14 14 DA-B 3	W Weed ORYSA 9-Jun-08 Control % 7 7 7 DA-A 4	W Weed ORYSA 17-Jun-08 Control % 15 7 7 DA-B 5	W Weed ORYSA 24-Jun-08 Control % 22 14 14 DA-B 6	W Weed LEFPA 9-Jun-08 Control % 7 7 7 DA-A 7
1	Nontreated							0 a	0 a	0 a	0 b	0 b	0 b	0 c
2	Stam M-4	4	EC	2	QT/A	EPOST	A	0 a	0 a	0 a	0 b	0 b	0 b	84 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Stam M-4	4	EC	4	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Stam (KFD-53-01)	4	SC	2	QT/A	EPOST	A	0 a	0 a	0 a	0 b	0 b	0 b	88 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Stam (KFD-53-01)	4	SC	4	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	71 a	79 a	95 a	20 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Stam M-4	4	EC	2	QT/A	EPOST	A	0 a	0 a	0 a	71 a	78 a	95 a	85 a
	Newpath	2	AS	4	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Stam (KFD-53-01)	4	SC	2	QT/A	EPOST	A	0 a	0 a	0 a	71 a	78 a	95 a	89 a
	Newpath	2	AS	4	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	69 a	78 a	95 a	17 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Stam M-4	4	EC	2	QT/A	MPOST	B							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	71 a	76 a	94 a	14 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Stam (KFD-53-01)	4	SC	2	QT/A	MPOST	B							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								0.0	0.0	0.0	2.5	1.9	0.9	4.4
CV								0.0	0.0	0.0	5.74	3.98	1.49	8.96

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
KFD-53-01 Efficacy in Clearfield Rice

Trial ID: 08-HR-45
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								LEFPA	LEFPA	SEBEX	SEBEX	SEBEX
Rating Date								17-Jun-08	24-Jun-08	9-Jun-08	17-Jun-08	24-Jun-08
Rating Data Type								Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								15 7	22 14	7 7	15 7	22 14
Trt-Eval Interval								7 DA-B	14 DA-B	7 DA-A	7 DA-B	14 DA-B
1	Nontreated							0 e	0 e	0 c	0 d	0 c
2	Stam M-4	4	EC	2	QT/A	EPOST	A	86 a	91 a	95 a	95 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Stam M-4	4	EC	4	QT/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
3	Stam (KFD-53-01)	4	SC	2	QT/A	EPOST	A	89 a	91 a	85 b	94 ab	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Stam (KFD-53-01)	4	SC	4	QT/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	28 d	21 d	0 c	0 d	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
5	Stam M-4	4	EC	2	QT/A	EPOST	A	78 b	79 b	94 a	90 bc	90 b
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
6	Stam (KFD-53-01)	4	SC	2	QT/A	EPOST	A	75 b	76 b	93 ab	89 c	88 b
	Newpath	2	AS	4	FL OZ/A	EPOST	A					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	61 c	61 c	0 c	93 abc	94 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Stam M-4	4	EC	2	QT/A	MPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	63 c	61 c	0 c	91 abc	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A					
	Stam (KFD-53-01)	4	SC	2	QT/A	MPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B					
Standard Deviation								4.2	3.4	5.4	2.5	1.9
CV								7.1	5.64	11.89	3.57	2.79

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Objectives:
Determine the benefit of adding a propanil-based premix with a residual herbicide.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Spring Stale Seedbed
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Application Description

	A
Application Date:	4-Jun-08
Time of Day:	5:30 am
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	73 F
% Relative Humidity:	84
Wind Velocity, Unit:	3.5 MPH
Wind Direction:	SW
Dew Presence (Y/N):	N
Soil Temperature, Unit:	82 F
Soil Moisture:	Adequate
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	ORYSA
Stage Majority, Percent:	4 LF
Stage Minimum, Percent:	3 LF
Stage Maximum, Percent:	4 LF
Height, Unit:	6 IN
Height Minimum, Maximum:	5 7

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	3 LF
Stage Minimum, Percent:	2 LF
Stage Maximum, Percent:	4 LF
Height, Unit:	2 IN
Height Minimum, Maximum:	1 3
Density, Unit:	5 FT2
Pest 2 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	5 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	5 LF
Height, Unit:	7 IN
Height Minimum, Maximum:	6 8
Density, Unit:	14 FT2
Pest 3 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	5 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	5 LF
Height, Unit:	2.5 IN
Height Minimum, Maximum:	2 3
Density, Unit:	3 FT2
Pest 4 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	5 LF
Stage Minimum, Percent:	4 LF
Stage Maximum, Percent:	5 LF
Height, Unit:	2.5 IN
Height Minimum, Maximum:	2 3
Density, Unit:	3 FT2
Pest 5 Code, Disc., Scale:	AMAPA W
Stage Majority, Percent:	6 LF
Stage Minimum, Percent:	5 LF
Stage Maximum, Percent:	6 LF
Height, Unit:	2.5 IN
Height Minimum, Maximum:	2 3
Density, Unit:	2 FT2

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	36 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH

Date	By	Notes
1-Jul-08	JAB	Weed density lower in reps 3 and 4 due to deeper water. Flood killed AMAPA and most IPOGG.

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
Pest Type											W Weed	W Weed	W Weed	W Weed
Pest Code											ECHCG	ECHCG	ECHCG	SEBEX
Rating Date								10-Jun-08	17-Jun-08	1-Jul-08	10-Jun-08	17-Jun-08	1-Jul-08	10-Jun-08
Rating Data Type								Injury	Injury	Injury	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								6 6	13 13	27 27	6 6	13 13	27 27	6 6
Trt-Eval Interval								6 DA-A	13 DA-A	27 DA-A	6 DA-A	13 DA-A	27 DA-A	6 DA-A
1	No residual herbicide							0 a	0 b	0 a	0 f	0 j	0 e	0 e
	No propanil premix													
2	No residual herbicide							1 a	0 b	0 a	76 bcd	48 gh	75 c	86 a-d
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	No residual herbicide							0 a	0 b	0 a	71 cd	41 h	75 c	84 bcd
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
4	No residual herbicide							0 a	0 b	0 a	80 ab	66 bcd	88 ab	88 abc
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
5	No residual herbicide							1 a	0 b	0 a	69 d	50 fg	76 c	80 d
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
6	Command	3	ME	1.33	PT/A	EPOST	A	0 a	0 b	0 a	24 e	15 i	10 d	0 e
	No propanil premix													
7	Command	3	ME	1.33	PT/A	EPOST	A	3 a	1 b	0 a	75 bcd	69 abc	80 bc	90 ab
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
8	Command	3	ME	1.33	PT/A	EPOST	A	0 a	0 b	0 a	74 bcd	74 ab	80 bc	88 abc
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
9	Command	3	ME	1.33	PT/A	EPOST	A	0 a	0 b	0 a	85 a	78 a	93 a	91 a
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
10	Command	3	ME	1.33	PT/A	EPOST	A	0 a	4 a	0 a	75 bcd	70 ab	85 abc	86 a-d
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
11	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	0 a	0 b	0 a	0 f	0 j	0 e	0 e
	No propanil premix													
12	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	1 a	0 b	0 a	80 ab	59 de	88 ab	90 ab
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
13	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	0 a	1 b	0 a	73 bcd	58 ef	81 bc	85 a-d
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
14	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	0 a	0 b	0 a	78 bc	71 ab	89 ab	89 ab
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
15	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	1 a	0 b	0 a	69 d	61 cde	76 c	81 cd
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
Standard Deviation								1.4	1.1	0.0	4.6	5.6	6.3	4.1
CV								284.52	266.19	0.0	7.5	11.01	9.43	5.89

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed SEBEX 17-Jun-08 Control % 13 13 13 DA-A 8	W Weed SEBEX 1-Jul-08 Control % 27 27 27 DA-A 9	W Weed IPOHE 10-Jun-08 Control % 6 6 6 DA-A 10	W Weed IPOHE 17-Jun-08 Control % 13 13 13 DA-A 11	W Weed IPOHE 1-Jul-08 Control % 27 27 27 DA-A 12	W Weed IPOLA 10-Jun-08 Control % 6 6 6 DA-A 13	W Weed IPOLA 17-Jun-08 Control % 13 13 13 DA-A 14
1	No residual herbicide							0 d	0 g	0 h	0 e	0 f	0 h	0 f
	No propanil premix													
2	No residual herbicide							95 a	90 a-d	76 cd	60 bc	88 bc	75 bcd	59 d
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	No residual herbicide							90 b	85 def	70 def	63 bc	85 c	70 def	61 cd
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
4	No residual herbicide							96 a	93 abc	84 ab	93 a	94 ab	83 ab	93 a
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
5	No residual herbicide							85 c	80 f	60 g	51 d	74 e	61 g	50 e
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
6	Command	3	ME	1.33	PT/A	EPOST	A	0 d	0 g	0 h	0 e	0 f	0 h	0 f
	No propanil premix													
7	Command	3	ME	1.33	PT/A	EPOST	A	96 a	88 cde	70 def	65 bc	80 cde	71 c-f	66 bc
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
8	Command	3	ME	1.33	PT/A	EPOST	A	96 a	89 b-e	68 ef	66 b	88 bc	69 d-g	69 b
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
9	Command	3	ME	1.33	PT/A	EPOST	A	95 a	95 a	86 a	91 a	95 a	86 a	93 a
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
10	Command	3	ME	1.33	PT/A	EPOST	A	95 a	84 ef	65 efg	64 bc	80 cde	65 efg	64 bcd
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
11	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	0 d	0 g	0 h	0 e	0 f	0 h	0 f
	No propanil premix													
12	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	95 a	88 cde	73 cde	64 bc	81 cd	73 cde	64 bcd
	SuperWham	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
13	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	95 a	91 abc	64 fg	64 bc	86 c	64 fg	64 bcd
	Duet	4.03	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
14	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	96 a	94 ab	79 bc	93 a	95 a	79 abc	93 a
	Ricepro	4	SC	3	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
15	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	94 ab	85 def	69 def	59 c	76 de	70 def	58 d
	Ricebeaux	6	EC	3	QT/A	EPOST	A							
Standard Deviation								3.0	3.7	4.8	4.5	4.7	5.3	4.6
CV								3.96	5.26	8.4	8.2	6.91	9.12	8.38

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Residual Grass Herbicides

Trial ID: 08-HR-48
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed IPOLA 1-Jul-08 Control % 27 27 27 DA-A 15	W Weed AMAPA 10-Jun-08 Control % 6 6 6 DA-A 16	W Weed AMAPA 17-Jun-08 Control % 13 13 13 DA-A 17
1	No residual herbicide							0 g	0 f	0 f
	No propanil premix									
2	No residual herbicide							88 abc	74 bcd	60 b-e
	SuperWham	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
3	No residual herbicide							85 cde	68 cde	61 bcd
	Duet	4.03	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
4	No residual herbicide							94 ab	83 ab	89 a
	Ricepro	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
5	No residual herbicide							74 f	59 e	54 e
	Ricebeaux	6	EC	3	QT/A	EPOST	A			
6	Command	3	ME	1.33	PT/A	EPOST	A	0 g	0 f	0 f
	No propanil premix									
7	Command	3	ME	1.33	PT/A	EPOST	A	79 def	69 cde	66 b
	SuperWham	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
8	Command	3	ME	1.33	PT/A	EPOST	A	88 abc	64 de	60 b-e
	Duet	4.03	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
9	Command	3	ME	1.33	PT/A	EPOST	A	95 a	85 a	88 a
	Ricepro	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
10	Command	3	ME	1.33	PT/A	EPOST	A	78 ef	60 e	56 de
	Ricebeaux	6	EC	3	QT/A	EPOST	A			
11	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	0 g	0 f	0 f
	No propanil premix									
12	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	80 c-f	73 bcd	64 bc
	SuperWham	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
13	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	86 bcd	61 e	61 bcd
	Duet	4.03	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
14	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	95 a	76 abc	90 a
	Ricepro	4	SC	3	QT/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
15	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	A	76 f	64 de	59 cde
	Ricebeaux	6	EC	3	QT/A	EPOST	A			
Standard Deviation								4.9	6.8	4.1
CV								7.3	12.27	7.69

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Preflood and Postflood Beyond Applications

Trial ID: 08-HR-49
Location: DREC

Objectives:
Determine crop safety of Cleafield rice hybrids to preflood and postflood applications of Beyond.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 21-Apr-08
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 71 F
Soil Moisture: Adequate
Harvest Date: 1-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Stale seedbed
Replications: 4 **Study Design:** Factorial

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
2.	14-Apr-08	Permit	75	DF	0.67	Oz/A	Y
3.	22-Apr-08	Command	3	ME	1	PT/A	Y
4.	22-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
5.	5-May-08	Newpath	2	AS	4	OZ/A	Y
6.	5-May-08	Agri-Dex		L	1	%v/v	Y
7.	6-May-08	Facet	75	DF	0.5	LB/A	Y
8.	6-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
9.	19-May-08	Newpath	2	AS	4	OZ/A	Y
10.	19-May-08	Agri-Dex		L	1	%v/v	Y
11.	3-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
12.	3-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Soil Description
% Sand: 11 **Texture:** SILTY CLAY
% Silt: 30 **Soil Name:** Sharkey
% Clay: 59 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	4-Jun-08	Flood

Application Description

	A	B	C	D
Application Date:	26-May-08	14-Jun-08	27-Jun-08	11-Jul-08
Time of Day:	6:30 am	6:00 am	7:00 am	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	LPOST	PI	PI+14	Boot
Application Placement:	Foliar	Foliar	Foliar	Foliar
Applied By:	JAB, RCB	JAB	LCV	LCV, JKM
Air Temperature, Unit:	81 F	74 F	71 F	81 F
% Relative Humidity:	88	84	79	77
Wind Velocity, Unit:	2.5 MPH	0 MPH	0 MPH	4 MPH
Wind Direction:	S			
Dew Presence (Y/N):	Y	Y	Y	Y
Soil Temperature, Unit:	82 F			
Soil Moisture:	Mud	Flood	Flood	Flood
% Cloud Cover:	100	100	0	0

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Preflood and Postflood Beyond Applications

Trial ID: 08-HR-49
Location: DREC

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 TIL	PI	PI+14d	BOOT
Stage Minimum, Percent:	1 TIL	PI	PI+14d	BOOT
Stage Maximum, Percent:	2 TIL	PI	PI+14d	BOOT
Height, Unit:	7 IN	17 IN	27 IN	34 IN
Height Minimum, Maximum:	6 7	15 18	24 29	32 36

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	36 PSI	30 PSI	22 PSI	22 PSI
Nozzle Type:	AI	TT	TT	TT
Nozzle Size:	110015VS	11001	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4	4
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	2 MPH	2.5 MPH	2.5 MPH

Notes
SEEDING RATE: Variety - 80 lb/A; Hybrid - 35 lb/A

EMERGENCE DATES: Variety – 02-May-2008; Hybrid – 03-May-2008

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Preflood and Postflood Beyond Applications

Trial ID: 08-HR-49
Location: DREC

Rating Date								9-Jun-08	28-Jun-08	11-Jul-08	25-Jul-08	8-Aug-08	1-Sep-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Yield
Rating Unit								%	%	%	%	%	bu/A
Days After First/Last Applic.								14 14	33 1	46 0	60 14	74 28	98 52
Trt-Eval Interval								14 DA-A	14 DA-B	14 DA-C	14 DA-D	28 DA-D	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	8
1	CL161							0 a	0 a	0 a	0 a	0 a	186 gh
	Nontreated												
2	CL161							0 a	0 a	0 a	0 a	0 a	175 h
	Beyond	1	SL	6	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
3	CL161								0 a	0 a	0 a	0 a	197 fgh
	Beyond	1	SL	6	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
4	CL161									0 a	0 a	0 a	193 fgh
	Beyond	1	SL	6	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
5	CL161										0 a	0 a	191 fgh
	Beyond	1	SL	6	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												
6	CL161							0 a	0 a	0 a	0 a	0 a	189 fgh
	Beyond	1	SL	12	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
7	CL161								0 a	0 a	0 a	0 a	193 fgh
	Beyond	1	SL	12	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
8	CL161									0 a	0 a	0 a	199 e-h
	Beyond	1	SL	12	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
9	CL161										0 a	0 a	190 fgh
	Beyond	1	SL	12	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												
10	CLXL745							0 a	0 a	0 a	0 a	0 a	260 a
	Nontreated												
11	CLXL745							0 a	0 a	0 a	0 a	0 a	237 a-d
	Beyond	1	SL	6	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
12	CLXL745								0 a	0 a	0 a	0 a	248 ab
	Beyond	1	SL	6	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
13	CLXL745									0 a	0 a	0 a	199 e-h
	Beyond	1	SL	6	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
14	CLXL745										0 a	0 a	201 e-h
	Beyond	1	SL	6	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Preflood and Postflood Beyond Applications

Trial ID: 08-HR-49
Location: DREC

Rating Date								9-Jun-08	28-Jun-08	11-Jul-08	25-Jul-08	8-Aug-08	1-Sep-08
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Yield
Rating Unit								%	%	%	%	%	bu/A
Days After First/Last Applic.								14 14	33 1	46 0	60 14	74 28	98 52
Trt-Eval Interval								14 DA-A	14 DA-B	14 DA-C	14 DA-D	28 DA-D	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	8
15	CLXL745							0 a	0 a	0 a	0 a	0 a	243 abc
	Beyond	1	SL	12	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
16	CLXL745								0 a	0 a	0 a	0 a	251 ab
	Beyond	1	SL	12	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
17	CLXL745									0 a	0 a	0 a	227 b-e
	Beyond	1	SL	12	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
18	CLXL745										0 a	0 a	117 i
	Beyond	1	SL	12	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												
19	CLXL746							0 a	0 a	0 a	0 a	0 a	252 ab
	Nontreated												
20	CLXL746							0 a	0 a	0 a	0 a	0 a	244 abc
	Beyond	1	SL	6	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
21	CLXL746								0 a	0 a	0 a	0 a	248 ab
	Beyond	1	SL	6	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
22	CLXL746									0 a	0 a	0 a	214 d-g
	Beyond	1	SL	6	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
23	CLXL746										0 a	0 a	197 fgh
	Beyond	1	SL	6	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												
24	CLXL746							0 a	0 a	0 a	0 a	0 a	217 c-f
	Beyond	1	SL	12	FL OZ/A	LPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	LPOST	A						
	Late postemergence												
25	CLXL746								0 a	0 a	0 a	0 a	209 efg
	Beyond	1	SL	12	FL OZ/A	PI	B						
	Agri-Dex		L	19.2	FL OZ/A	PI	B						
	Panicle initiation												
26	CLXL746									0 a	0 a	0 a	184 gh
	Beyond	1	SL	12	FL OZ/A	PI + 14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PI + 14 d	C						
	Panicle initiation + 14 days												
27	CLXL746										0 a	0 a	108 i
	Beyond	1	SL	12	FL OZ/A	Boot	D						
	Agri-Dex		L	19.2	FL OZ/A	Boot	D						
	Boot												
Standard Deviation								0.0	0.0	0.0	0.0	0.0	18.1
CV								0.0	0.0	0.0	0.0	0.0	8.76

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Objectives:
Determine the benefit of adding a propanil-based premix with Newpath.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 131 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 12-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 81 F
Soil Moisture: Adequate **Emergence Date:** 21-May-08

Pest Description
Pest 1 Type: W **Code:** ECHCG Echinochloa crus-galli
Common Name: Barnyardgrass

Pest 2 Type: W **Code:** SEBEX Sesbania hederacea
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** IPOHE Ipomoea hederacea
Common Name: Ivyleaf morningglory

Pest 4 Type: W **Code:** IPOLA Ipomoea lacunosa
Common Name: Pitted morningglory

Pest 5 Type: W **Code:** AMAPA Amaranthus palmeri
Common Name: Palmer amaranth

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** field
Plot Length, Unit: 15 FT **Tillage Type:** spring stale seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	12-May-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	N
2.	18-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
3.	19-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, 16-Apr-2008

Soil Description
% Sand: 11 **% OM:** 2 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 7.7 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 42.5 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Application Description

	A	B
Application Date:	26-May-08	9-Jun-08
Time of Day:	6:30 am	8:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	JAB, RCB	JAB, LCV
Air Temperature, Unit:	81 F	84 F
% Relative Humidity:	88	77
Wind Velocity, Unit:	2.5 MPH	2.5 MPH
Wind Direction:	S	SW
Dew Presence (Y/N):	Y	Y
Soil Temperature, Unit:	82 F	
Soil Moisture:	Mud	Adequate
% Cloud Cover:	30	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 LF	1 TIL
Stage Minimum, Percent:	2 LF	4 LF
Stage Maximum, Percent:	2 LF	1 TIL
Height, Unit:	3.5 IN	7.5 IN
Height Minimum, Maximum:	3 4	7 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	2 LF	2 LF
Stage Minimum, Percent:	2 LF	2 LF
Stage Maximum, Percent:	2 LF	2 LF
Height, Unit:	1 IN	1 IN
Height Minimum, Maximum:	1 1	1 1
Density, Unit:	3 FT2	1 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:	2 LF	7 LF
Stage Minimum, Percent:	2 LF	6 LF
Stage Maximum, Percent:	2 LF	8 LF
Height, Unit:	3 IN	9 IN
Height Minimum, Maximum:	3 3	8 10
Density, Unit:	14 FT2	14 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:	1 LF	4 LF
Stage Minimum, Percent:	1 LF	3 LF
Stage Maximum, Percent:	1 LF	4 LF
Height, Unit:	2 IN	3.5 IN
Height Minimum, Maximum:	2 2	3 4
Density, Unit:	4 FT2	2 FT2
Pest 4 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:	1 LF	4 LF
Stage Minimum, Percent:	1 LF	3 LF
Stage Maximum, Percent:	1 LF	4 LF
Height, Unit:	2 IN	3.5 IN
Height Minimum, Maximum:	2 2	3 4
Density, Unit:	4 FT2	2 FT2
Pest 5 Code, Disc., Scale:	AMAPA W	AMAPA W
Stage Majority, Percent:	1 LF	4 LF
Stage Minimum, Percent:	1 LF	4 LF
Stage Maximum, Percent:	1 LF	4 LF
Height, Unit:	1 IN	3 IN
Height Minimum, Maximum:	1 1	3 3
Density, Unit:	3 FT2	2 FT2

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	26 PSI	33 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH

Date	By	Notes
9-Jun-08	JAB	Sprayed with blockers

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7	8
	Pest Type											W Weed	W Weed	W Weed	W Weed
	Pest Code											ECHCG	ECHCG	ECHCG	ECHCG
	Rating Date							3-Jun-08	9-Jun-08	23-Jun-08	7-Jul-08	3-Jun-08	9-Jun-08	23-Jun-08	7-Jul-08
	Rating Data Type							Injury	Injury	Injury	Injury	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%	%
	Days After First/Last Applic.							8 8	14 0	28 14	42 28	8 8	14 0	28 14	42 28
	Trt-Eval Interval							8 DA-A	14 DA-A	14 DA-B	28 DA-B	8 DA-A	14 DA-A	14 DA-B	28 DA-B
1	Treated Check							0 a	0 a	0 a	0 a	0 c	0 d	0 b	0 c
	Newpath	2	AS	4	FL OZ/A	EPOST	A								
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	95 a	95 a	98 a
	SuperWham	4	SC	2	QT/A	EPOST	A								
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	95 a	94 a	95 b
	Duet	4.03	SC	2	QT/A	EPOST	A								
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	95 a	95 a	98 a
	Ricepro	4	SC	2	QT/A	EPOST	A								
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	95 a	95 a	95 a	96 ab
	Ricebeaux	6	EC	2	QT/A	EPOST	A								
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	90 b	90 c	94 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	SuperWham	4	SC	2	QT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	90 b	91 bc	94 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Duet	4.03	SC	2	QT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	90 b	93 b	95 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ricepro	4	SC	2	QT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	0 a	0 a	0 a	90 b	93 b	93 a	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A								
	Newpath	2	AS	4	FL OZ/A	MPOST	B								
	Ricebeaux	6	EC	2	QT/A	MPOST	B								
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B								
	Standard Deviation							0.0	0.0	0.0	0.0	0.0	1.5	2.1	1.7
	CV							0.0	0.0	0.0	0.0	0.0	1.83	2.45	2.01

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12	13	14	15
Pest Type								W Weed	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	IPOHE	IPOHE	IPOHE
Rating Date								3-Jun-08	9-Jun-08	23-Jun-08	7-Jul-08	3-Jun-08	9-Jun-08	23-Jun-08
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								8 8	14 0	28 14	42 28	8 8	14 0	28 14
Trt-Eval Interval								8 DA-A	14 DA-A	14 DA-B	28 DA-B	8 DA-A	14 DA-A	14 DA-B
1	Treated Check							0 C	0 c	0 e	0 d	0 c	0 d	0 c
	Newpath	2	AS	4	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 A	80 ab	80 abc	74 bc	86 a	88 b	89 ab
	SuperWham	4	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	89 A b	79 b	75 bcd	75 bc	83 a	86 b	90 ab
	Duet	4.03	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	89 A b	84 a	85 ab	84 ab	86 a	94 a	95 a
	Ricepro	4	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	86 B	78 b	75 bcd	71 c	81 a	88 b	89 ab
	Ricebeaux	6	EC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 C	0 c	70 cd	66 c	30 b	35 c	90 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	SuperWham	4	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 C	0 c	76 bcd	76 bc	28 b	34 c	84 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 C	0 c	88 a	93 a	28 b	35 c	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricepro	4	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 C	0 c	66 d	65 c	28 b	35 c	85 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeaux	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								2.2	2.9	7.0	6.9	3.7	3.6	3.9
CV								5.58	8.26	10.18	10.29	7.33	6.61	4.94

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed IPOHE 7-Jul-08 Control % 42 28 28 DA-B	W Weed IPOLA 3-Jun-08 Control % 8 8 8 DA-A	W Weed IPOLA 9-Jun-08 Control % 14 0 14 DA-A	W Weed IPOLA 23-Jun-08 Control % 28 14 14 DA-B	W Weed IPOLA 7-Jul-08 Control % 42 28 28 DA-B	W Weed AMAPA 3-Jun-08 Control % 8 8 8 DA-A	W Weed AMAPA 9-Jun-08 Control % 14 0 14 DA-A
								16	17	18	19	20	21	22
1	Treated Check							0 c	0 c	0 c	0 c	0 c	0 c	0 c
	Newpath	2	AS	4	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 b	85 a	88 a	89 b	88 b	90 a	93 ab
	SuperWham	4	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	91 ab	83 a	86 a	90 ab	91 ab	91 a	91 b
	Duet	4.03	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	96 a	86 a	93 a	95 a	96 a	90 a	95 a
	Ricepro	4	SC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 b	84 a	88 a	88 b	88 b	90 a	90 b
	Ricebeaux	6	EC	2	QT/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 ab	30 b	36 b	90 ab	90 ab	20 b	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	SuperWham	4	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	91 ab	28 b	35 b	85 b	91 ab	21 b	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	95 a	28 b	35 b	95 a	95 a	15 b	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricepro	4	SC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 b	28 b	35 b	85 b	88 b	15 b	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeaux	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								4.0	3.3	4.0	3.7	4.0	4.7	1.8
CV								4.92	6.51	7.23	4.66	4.92	9.72	4.31

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank-mixes of Propanil Premixes with Newpath

Trial ID: 08-HR-50
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	W Weed AMAPA 23-Jun-08 Control % 28 14 14 DA-B 23
1	Treated Check							0 d
	Newpath	2	AS	4	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	83 abc
	SuperWham	4	SC	2	QT/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	78 bc
	Duet	4.03	SC	2	QT/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	89 a
	Ricepro	4	SC	2	QT/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	78 bc
	Ricebeaux	6	EC	2	QT/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	75 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	SuperWham	4	SC	2	QT/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	79 bc
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Duet	4.03	SC	2	QT/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Ricepro	4	SC	2	QT/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	75 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	4	FL OZ/A	MPOST	B	
	Ricebeaux	6	EC	2	QT/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
Standard Deviation								6.2
CV								8.69

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Disease Monitoring Plots 1

Trial ID: 08-FN-01
Location: Prather Farm

Objectives:
Determine the economic benefit of fungicide applications on commercial rice varieties and hybrids.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 22-Apr-08
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Rough **Soil Temperature, Unit:** 74 F
Soil Moisture: Dry **Emergence Date:** 2-May-08

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** No-Till
Replications: 4 **Study Design:** Factorial
Soil Drainage: G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	22-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
2.	22-Apr-08	Command	3	ME	1	PT/A	Y
3.	3-Jun-08	Regiment	80	WP	0.5	0Z/A	Y
4.	3-Jun-08	Grandstand	3	SL	12	FL OZ/A	Y
5.	3-Jun-08	Permit	75	DF	0.5	OZ/A	Y
6.	3-Jun-08	Dyne-A-Pak		L	1	% v/v	Y
7.	4-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N

Moisture and Weather Conditions

	Date	Type
1.	5-Jun-08	Flood

Notes
SEEDING RATES: Variety- 80 lb/A; Hybrid - 35 lb/A

Mississippi State University - DREC
Rice Disease Monitoring Plots 1

Trial ID: 08-FN-01
Location: Prather Farm

Rating Date Rating Data Type Rating Unit								19-Sep-08 Yield bu/A	23-Oct-08 Whole Mill %	23-Oct-08 Head Rice %
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	3	4	5
1	Cocodrie Nontreated							214 ef	67 abc	59 a
2	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	236 cde	68 abc	57 ab
3	CL161 Nontreated							171 gh	66 cd	57 ab
4	CL161 Quilt	1.66	SC	21	FL OZ/A	Boot	A	190 fgh	68 abc	59 a
5	CL131 Nontreated							192 fg	67 abc	57 abc
6	CL131 Quilt	1.66	SC	21	FL OZ/A	Boot	A	220 def	66 bcd	56 a-d
7	CL151 Nontreated							192 fg	64 d	47 g
8	CL151 Quilt	1.66	SC	21	FL OZ/A	Boot	A	160 h	65 d	50 fg
9	Bowman Nontreated							220 def	68 abc	54 b-e
10	Bowman Quilt	1.66	SC	21	FL OZ/A	Boot	A	222 def	68 abc	52 ef
11	Catahoula Nontreated							241 b-e	69 a	56 abc
12	Catahoula Quilt	1.66	SC	21	FL OZ/A	Boot	A	252 bcd	68 abc	56 a-d
13	Sabine Nontreated							237 cde	68 abc	56 abc
14	Sabine Quilt	1.66	SC	21	FL OZ/A	Boot	A	243 b-e	68 abc	57 ab
15	Wells Nontreated							242 b-e	70 a	52 def
16	Wells Quilt	1.66	SC	21	FL OZ/A	Boot	A	252 bcd	69 ab	52 ef
17	XL723 Nontreated							294 a	68 abc	57 abc
18	XL723 Quilt	1.66	SC	21	FL OZ/A	Boot	A	267 abc	68 abc	57 ab
19	CLXL729 Nontreated							272 ab	66 bcd	53 c-f
20	CLXL729 Quilt	1.66	SC	21	FL OZ/A	Boot	A	244 b-e	68 abc	56 a-d
Standard Deviation CV								17.6 7.7	1.3 1.98	2.0 3.57

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Disease Monitoring Plots 2

Trial ID: 08-FN-02
Location: Larry Davis Farm

Objectives:
Determine the economic benefit of fungicide applications on commercial rice varieties and hybrids.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 15-Apr-08
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 62 F
Soil Moisture: Adequate

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Stale seedbed
Replications: 4 **Study Design:** Factorial
Soil Drainage: G Good

Date	By	Notes
1-May-08	JAB	Rep 1 deleted due to soybean stalks overlaying plots.

SEEDING RATES: Variety - 90 lb/A; Hybrid - 40 lb/A

Mississippi State University - DREC
Rice Disease Monitoring Plots 2

Trial ID: 08-FN-02
Location: Larry Davis Farm

Rating Date								29-Aug-08	23-Oct-08	23-Oct-08
Rating Data Type								Yield	Whole Mill	Head Rice
Rating Unit								bu/A	%	%
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	3	4	5
1	Cocodrie Nontreated							208 c-g	72 abc	65 b-g
2	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	209 b-g	70 bcd	63 e-i
3	CL161 Nontreated							182 ghi	70 bcd	66 a-e
4	CL161 Quilt	1.66	SC	21	FL OZ/A	Boot	A	197 d-h	71 a-d	66 a-d
5	CL131 Nontreated							176 ghi	70 bcd	65 b-e
6	CL131 Quilt	1.66	SC	21	FL OZ/A	Boot	A	187 f-i	70 bcd	65 c-h
7	CL151 Nontreated							195 e-h	70 bcd	65 b-g
8	CL151 Quilt	1.66	SC	21	FL OZ/A	Boot	A	230 b-e	71 a-d	65 b-f
9	Bowman Nontreated							209 b-g	69 cd	62 ghi
10	Bowman Quilt	1.66	SC	21	FL OZ/A	Boot	A	218 b-f	70 bcd	63 e-i
11	Catahoula Nontreated							142 j	73 a	68 a
12	Catahoula Quilt	1.66	SC	21	FL OZ/A	Boot	A	185 f-i	72 ab	67 ab
13	Sabine Nontreated							158 ij	70 bcd	65 b-g
14	Sabine Quilt	1.66	SC	21	FL OZ/A	Boot	A	169 hij	70 bcd	66 abc
15	Wells Nontreated							208 b-g	70 bcd	64 d-i
16	Wells Quilt	1.66	SC	21	FL OZ/A	Boot	A	226 b-e	71 a-d	62 hi
17	XL723 Nontreated							243 ab	69 d	61 i
18	XL723 Quilt	1.66	SC	21	FL OZ/A	Boot	A	268 a	70 bcd	62 f-i
19	CLXL729 Nontreated							233 bc	68 d	61 i
20	CLXL729 Quilt	1.66	SC	21	FL OZ/A	Boot	A	232 bcd	72 ab	63 e-i
Standard Deviation								18.4	1.3	1.4
CV								9.03	1.89	2.17

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Disease Monitoring Plots 3

Trial ID: 08-FN-03
Location: Satterfield Farm

Objectives:
Determine the economic benefit of fungicide applications on commercial rice varieties and hybrids.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC
Planting Method: Drill Multiple
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 61 F
Soil Moisture: Adequate

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Stale Seedbed
Replications: 4 **Study Design:** Factorial
Soil Drainage: G Good

Mississippi State University - DREC
Rice Disease Monitoring Plots 3

Trial ID: 08-FN-03
Location: Satterfield Farm

Rating Date Rating Data Type Rating Unit								22-Sep-08 Yield bu/A	Whole Mill % 	Head Rice %
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	3	4	5
1	Cocodrie Nontreated							229 b-e	73 cde	66 g-j
2	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	238 a-d	73 de	66 hij
3	CL161 Nontreated							207 de	72 e	67 efg
4	CL161 Quilt	1.66	SC	21	FL OZ/A	Boot	A	219 cde	73 cde	69 cde
5	CL131 Nontreated							221 cde	75 ab	71 ab
6	CL131 Quilt	1.66	SC	21	FL OZ/A	Boot	A	220 cde	75 ab	71 a
7	CL151 Nontreated							187 e	72 de	67 fgh
8	CL151 Quilt	1.66	SC	21	FL OZ/A	Boot	A	247 a-d	72 e	66 ghi
9	Bowman Nontreated							207 de	72 de	67 efg
10	Bowman Quilt	1.66	SC	21	FL OZ/A	Boot	A	208 de	72 e	67 efg
11	Catahoula Nontreated							219 cde	75 a	70 ab
12	Catahoula Quilt	1.66	SC	21	FL OZ/A	Boot	A	215 de	75 ab	70 abc
13	Sabine Nontreated							210 de	72 de	68 def
14	Sabine Quilt	1.66	SC	21	FL OZ/A	Boot	A	209 de	73 cde	69 bcd
15	Wells Nontreated							220 cde	73 bcd	66 ghi
16	Wells Quilt	1.66	SC	21	FL OZ/A	Boot	A	214 de	74 abc	68 ef
17	XL723 Nontreated							267 abc	73 de	65 j
18	XL723 Quilt	1.66	SC	21	FL OZ/A	Boot	A	256 a-d	72 de	65 ij
19	CLXL729 Nontreated							278 a	72 de	65 ij
20	CLXL729 Quilt	1.66	SC	21	FL OZ/A	Boot	A	269 ab	72 de	65 hij
Standard Deviation CV								29.6 13.02	0.8 1.05	0.8 1.22

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Seed Treatment Efficacy Against Insects and Diseases

Trial ID: 08-FN-05
Location: DREC

Objectives:
Assess performance Valent seed treatments against insects and diseases.

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 24-Mar-08
Planting Method: Drill **Rate, Unit:** 60 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 59 F
Soil Moisture: Adequate **Emergence Date:** 14-Apr-08
Harvest Date: 28-Aug-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Fall Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	26-Mar-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	26-Mar-08	Permit	75	DF	0.67	OZ/A	Y
3.	1-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
4.	1-May-08	Facet	75	DF	0.5	LB/A	Y
5.	20-May-08	Regiment	80	WP	0.5	OZ/A	Y
6.	20-May-08	Grandstand	3	SL	12	FL OZ/A	Y
7.	20-May-08	Permit	75	DF	0.5	OZ/A	Y
8.	20-May-08	Dyne-A-Pak		L	1.25	% v/v	Y
9.	20-May-08	Karate Z	2.08	CS	2	FL OZ/A	N
10.	22-May-08	Urea (46:0:0)	46	GR	380	LB/A	N

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	5-Jun-08	Flush
2.	13-Jun-08	Flush
3.	19-Jun-08	Flood

Mississippi State University - DREC
Seed Treatment Efficacy Against Insects and Diseases

Trial ID: 08-FN-05
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	16-Apr-08 Density pl/sq. m 2 DAE	23-Apr-08 Density pl/sq. m 9 DAE	30-Apr-08 Density pl/sq. m 16 DAE	7-May-08 Density pl/sq. m 23 DAE	23-Apr-08 Height cm 9 DAE	30-Apr-08 Height cm 16 DAE
								1	2	3	4	5	6
1	Nontreated							96 a	128 a	159 a	148 a	6 a	8 a
2	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	91 a	122 a	166 a	156 a	5 a	8 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A						
3	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	75 a	126 a	148 a	151 a	6 a	7 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A						
	Cruiser	5	FS	80	G AI/100 KG	SEED TRMT	A						
4	V-10230	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	89 a	122 a	142 a	137 a	6 a	7 a
5	V-10230	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	81 a	116 a	134 a	145 a	6 a	7 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A						
6	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	77 a	95 a	103 a	120 a	7 a	8 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A						
	Warrior	1	CS	3.84	FL OZ/A	1-2 d PRFLD	B						
7	V-10240	0.834	FS	37	G AI/100 KG	SEED TRMT	A	80 a	113 a	125 a	138 a	6 a	7 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A						
8	V-10240	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	89 a	120 a	151 a	155 a	6 a	7 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A						
9	V-10260	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	95 a	104 a	135 a	153 a	7 a	7 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A						
Standard Deviation								23.3	30.9	31.0	38.0	1.0	0.9
CV								27.1	26.55	22.13	26.27	16.53	11.8

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7-May-08 Height cm 23 DAE	28-Aug-08 Yield bu/A	10-Oct-08 Whole Mill %	10-Oct-08 Head Rice %
								7	10	11	12
1	Nontreated							8 a	214 a	69 a	59 a
2	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	9 a	228 a	69 a	59 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A				
3	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	8 a	216 a	69 a	59 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A				
	Cruiser	5	FS	80	G AI/100 KG	SEED TRMT	A				
4	V-10230	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	8 a	227 a	67 a	59 a
5	V-10230	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	7 a	222 a	69 a	59 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A				
6	Maxim	4	FS	2.5	G AI/100 KG	SEED TRMT	A	10 a	226 a	69 a	60 a
	Apron XL	3	LS	4	G AI/100 KG	SEED TRMT	A				
	Warrior	1	CS	3.84	FL OZ/A	1-2 d PRFLD	B				
7	V-10240	0.834	FS	37	G AI/100 KG	SEED TRMT	A	8 a	228 a	69 a	58 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A				
8	V-10240	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	10 a	222 a	69 a	59 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A				
9	V-10260	0.834	FS	17.5	G AI/100 KG	SEED TRMT	A	9 a	224 a	69 a	59 a
	V-10170	5	FS	100	G AI/100 KG	SEED TRMT	A				
Standard Deviation								1.1	16.0	2.0	1.3
CV								13.05	7.16	2.85	2.17

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 08-FN-06
Location: DREC

Objectives:
Evaluate A15909 and A13705 formulations for control of sheath blight in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 7-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 25-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: D **Code:** RHIZSP Rhizoctonia sp.
Common Name: Sheath blight

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	CS	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H20	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
12.	11-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 08-FN-06
Location: DREC

Application Description

	A
Application Date:	18-Jul-08
Time of Day:	7:00 am
Application Method:	Broadcast
Application Timing:	PD+7
Application Placement:	Foliar
Applied By:	LCV, JKM
Air Temperature, Unit:	76 F
% Relative Humidity:	80
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	Boot
Stage Minimum, Percent:	Boot
Stage Maximum, Percent:	Boot
Height, Unit:	33 IN
Height Minimum, Maximum:	32 34

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	22 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2.5 MPH

Date	By	Notes
25-Sep-08	JAB	Lodging occurred after remains of Hurricane Ike passed over site.

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 08-FN-06
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	D Disease RHIZSP 13-Aug-08 Incidence % 26 DA-A	D Disease RHIZSP 13-Aug-08 Severity 1-9 26 DA-A	D Disease RHIZSP 19-Sep-08 Incidence % 63 DA-A	D Disease RHIZSP 19-Sep-08 Severity 1-9 63 DA-A	19-Sep-08 Ldg Rate %	19-Sep-08 Ldg Type 1-5	25-Sep-08 Yield bu/A
								1	2	3	4	5	6	9
1	Nontreated							88 a	6 a	89 a	8 a	56 a	3 a	161 b
2	A15909	2.2	SE	17.5	FL OZ/A	PD+7	A	35 b	3 b	53 b	7 ab	36 a	2 a	195 a
3	Quadris	2.08	SC	10	FL OZ/A	PD+7	A	33 b	2 b	45 b	6 bc	36 a	2 a	202 a
	Tilt	3.6	EC	5	FL OZ/A	PD+7	A							
4	A15909	2.2	SE	21	FL OZ/A	PD+7	A	36 b	3 b	39 b	4 cd	34 a	1 a	200 a
5	A13705	1.67	SE	20	FL OZ/A	PD+7	A	39 b	3 b	48 b	3 d	15 a	2 a	196 a
	Quadris	2.08	SC	6.3	FL OZ/A	PD+7	A							
6	Stratego	2.08	SC	19	FL OZ/A	PD+7	A	41 b	3 b	54 b	5 bcd	59 a	3 a	198 a
Standard Deviation								18.6	1.0	13.3	1.3	26.3	1.0	13.2
CV								41.07	30.94	24.38	25.23	66.84	46.73	6.86

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21-Oct-08 Whole Mill %	21-Oct-08 Head Rice %
								10	11
1	Nontreated							71 a	66 a
2	A15909	2.2	SE	17.5	FL OZ/A	PD+7	A	72 a	67 a
3	Quadris	2.08	SC	10	FL OZ/A	PD+7	A	72 a	67 a
	Tilt	3.6	EC	5	FL OZ/A	PD+7	A		
4	A15909	2.2	SE	21	FL OZ/A	PD+7	A	71 a	67 a
5	A13705	1.67	SE	20	FL OZ/A	PD+7	A	71 a	66 a
	Quadris	2.08	SC	6.3	FL OZ/A	PD+7	A		
6	Stratego	2.08	SC	19	FL OZ/A	PD+7	A	71 a	67 a
Standard Deviation								0.5	0.8
CV								0.69	1.27

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Trilex 2000 Efficacy as Rice Seed Treatment

Trial ID: 08-FN-08
Location: DREC

Objectives:
Assess performance Trilex 2000 seed treatment.

Crop Description

Crop 1: ORYSA Oryza sativa Common rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 24-Mar-08
Planting Method: Drill **Rate, Unit:** 60 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 59 F
Soil Moisture: Adequate **Emergence Date:** 14-Apr-08

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Fall Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
Soil Drainage: G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	26-Mar-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	26-Mar-08	Permit	75	DF	0.67	OZ/A	Y
3.	27-Mar-08	Command	3	ME	1.33	PT/A	N
4.	1-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	1-May-08	Facet	75	DF	0.5	LB/A	Y
6.	20-May-08	Regiment	80	WP	0.5	OZ/A	Y
7.	20-May-08	Grandstand	3	SL	12	OZ/A	Y
8.	20-May-08	Permit	75	DF	0.5	OZ/A	Y
9.	20-May-08	Dyne-A-Pak		L	1.25	% v/v	Y
10.	20-May-08	Karate Z	2.08	CS	2	FL OZ/A	N
11.	22-May-08	Urea (46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Oct 2007
Triple K, Oct 2007

Soil Description

% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	16-Apr-08	Flush
2.	23-May-08	Flood

Mississippi State University - DREC
Trilex 2000 Efficacy as Rice Seed Treatment

Trial ID: 08-FN-08
Location: DREC

Rating Date								16-Apr-08	30-Apr-08	30-Apr-08	1-May-08	28-Aug-08
Rating Data Type								Density	Density	Height	Vigor	Yield
Rating Unit								pl/sq. m	pl/sq. m	cm	1-5	bu/A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	7
1	Nontreated							57 c	110 bc	8 a	3 a	275 a
2	Trilex	2	FS	5	G AI/100 KG	SEED TRMT	A	77 ab	125 ab	8 a	3 a	251 a
	Allegiance	2.65	FS	6.6	G AI/100 KG	SEED TRMT	A					
3	Trilex/Allegiance Conc. #2	1.15	FS	9	G AI/100 KG	SEED TRMT	A	67 bc	93 c	8 a	4 a	260 a
4	Trilex/Allegiance Conc. #3	1.15	FS	18	G AI/100 KG	SEED TRMT	A	73 abc	128 ab	7 a	3 a	272 a
5	Apron XL	3	LS	7.5	G AI/100 KG	SEED TRMT	A	85 a	143 a	8 a	4 a	263 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A					
6	Apron XL	3	LS	7.5	G AI/100 KG	SEED TRMT	A	73 abc	109 bc	7 a	3 a	257 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A					
	Dynasty	0.83	FS	10	G AI/100 KG	SEED TRMT	A					
Standard Deviation								10.4	18.4	1.0	0.7	17.6
CV								14.48	15.59	13.33	21.27	6.7

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Rating Date								8-Oct-08	8-Oct-08
Rating Data Type								Whole Mill	Head Rice
Rating Unit								%	%
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9
1	Nontreated							70 a	61 a
2	Trilex	2	FS	5	G AI/100 KG	SEED TRMT	A	69 a	59 a
	Allegiance	2.65	FS	6.6	G AI/100 KG	SEED TRMT	A		
3	Trilex/Allegiance Conc. #2	1.15	FS	9	G AI/100 KG	SEED TRMT	A	70 a	61 a
4	Trilex/Allegiance Conc. #3	1.15	FS	18	G AI/100 KG	SEED TRMT	A	70 a	60 a
5	Apron XL	3	LS	7.5	G AI/100 KG	SEED TRMT	A	69 a	59 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A		
6	Apron XL	3	LS	7.5	G AI/100 KG	SEED TRMT	A	69 a	60 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A		
	Dynasty	0.83	FS	10	G AI/100 KG	SEED TRMT	A		
Standard Deviation								0.6	1.0
CV								0.87	1.72

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Disease Monitoring for Advanced Breeding Lines

Trial ID: 08-FN-09
Location: DREC

Objectives:
Determine the economic benefit of fungicide applications on advanced breeding lines.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 15-May-08
Harvest Date: 26-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: D **Code:** RHIZSP Rhizoctonia sp.
Common Name: Sheath blight

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
12.	11-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Disease Monitoring for Advanced Breeding Lines

Trial ID: 08-FN-09
Location: DREC

Application Description

	A
Application Date:	14-Jul-08
Time of Day:	7:00 am
Application Method:	Broadcast
Application Timing:	Boot
Application Placement:	Foliar
Applied By:	LCV, JKM
Air Temperature, Unit:	76 F
% Relative Humidity:	80
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	E Boot
Stage Minimum, Percent:	E Boot
Stage Maximum, Percent:	E Boot
Height, Unit:	31 IN
Height Minimum, Maximum:	30 32

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	22 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2.5 MPH

Date	By	Notes
30-Jun-08	JAB	Inoculate plots with Rhizoctonia.
25-Sep-08	JAB	Lodging occurred after remains of Hurricane Ike passed over site.

Mississippi State University - DREC
Disease Monitoring for Advanced Breeding Lines

Trial ID: 08-FN-09
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	D Disease RHIZSP 13-Aug-08 Incidence % 30 DA-A	D Disease RHIZSP 13-Aug-08 Severity 1-9 30 DA-A	D Disease RHIZSP 19-Sep-08 Incidence % 67 DA-A	D Disease RHIZSP 19-Sep-08 Severity 1-9 67 DA-A	19-Sep-08 Ldg Rate %	19-Sep-08 Ldg Type 1-5	25-Sep-08 Yield bu/A
								1	2	3	4	5	6	9
1	604035 Nontreated							63 ab	4 ab	69 b	7 abc	13 b	1 c	184 cd
2	604035 Quilt	1.66	SC	21	FL OZ/A	Boot	A	33 cd	2 c	49 c	3 e	0 b	0 c	215 ab
3	115727 Nontreated							63 ab	4 ab	69 b	7 ab	18 b	2 bc	202 bc
4	115727 Quilt	1.66	SC	21	FL OZ/A	Boot	A	30 d	2 bc	39 c	3 e	0 b	0 c	225 a
5	118297 Nontreated							54 bc	4 ab	80 ab	7 ab	23 b	1 c	178 de
6	118297 Quilt	1.66	SC	21	FL OZ/A	Boot	A	11 d	2 c	39 c	5 cde	0 b	0 c	218 ab
7	115861 Nontreated							69 ab	4 ab	43 c	4 de	6 b	0 c	185 cd
8	115861 Quilt	1.66	SC	21	FL OZ/A	Boot	A	23 d	2 c	39 c	3 e	3 b	0 c	211 ab
9	022409-5 Nontreated							79 a	5 a	85 a	8 a	63 a	3 ab	163 e
10	022409-5 Quilt	1.66	SC	21	FL OZ/A	Boot	A	23 d	2 c	36 c	4 e	6 b	1 c	206 ab
11	Cocodrie Nontreated							73 ab	4 ab	88 a	6 bcd	65 a	3 a	164 e
12	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	26 d	3 bc	37 c	5 de	8 b	0 c	216 ab
Standard Deviation								15.4	1.1	9.0	1.2	15.5	0.9	12.4
CV								33.94	37.38	16.17	23.9	91.79	98.66	6.27

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Disease Monitoring for Advanced Breeding Lines

Trial ID: 08-FN-09
Location: DREC

Pest Code Rating Date Rating Data Type Rating Unit Trt-Eval Interval								8-Oct-08 Whole Mill %	8-Oct-08 Head Rice %
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	10	11
1	604035 Nontreated							72 ab	65 bc
2	604035 Quilt	1.66	SC	21	FL OZ/A	Boot	A	72 abc	65 bc
3	115727 Nontreated							70 d	62 d
4	115727 Quilt	1.66	SC	21	FL OZ/A	Boot	A	71 bcd	64 cd
5	118297 Nontreated							72 ab	66 b
6	118297 Quilt	1.66	SC	21	FL OZ/A	Boot	A	73 a	68 a
7	115861 Nontreated							71 cd	64 cd
8	115861 Quilt	1.66	SC	21	FL OZ/A	Boot	A	71 bcd	65 bc
9	022409-5 Nontreated							72 abc	66 b
10	022409-5 Quilt	1.66	SC	21	FL OZ/A	Boot	A	73 a	66 b
11	Cocodrie Nontreated							72 ab	65 bc
12	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	72 ab	66 b
Standard Deviation CV								0.8 1.1	1.0 1.54

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Serenade ASO Efficacy Against Sheath Blight

Trial ID: 08-FN-10
Location: DREC

Objectives:
Evaluate Serenade as a tank-mix partner with Quadris for sheath blight control in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 7-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 25-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: D **Code:** RHIZSP Rhizoctonia sp.
Common Name: Sheath blight

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
12.	11-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Serenade ASO Efficacy Against Sheath Blight

Trial ID: 08-FN-10
Location: DREC

Application Description

	A
Application Date:	14-Jul-08
Time of Day:	7:00 am
Application Method:	Broadcast
Application Timing:	E Boot
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	76 F
% Relative Humidity:	80
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	E Boot
Stage Minimum, Percent:	E Boot
Stage Maximum, Percent:	E Boot
Height, Unit:	31 IN
Height Minimum, Maximum:	30 32

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	22 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Nozzle Spacing, Unit:	16 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2.5 MPH

Date	By	Notes
25-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Serenade ASO Efficacy Against Sheath Blight

Trial ID: 08-FN-10
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	D Disease RHIZSP 18-Aug-08 Incidence % 35 DA-A	D Disease RHIZSP 18-Aug-08 Severity 1-9 35 DA-A	D Disease RHIZSP 19-Sep-08 Incidence % 67 DA-A	D Disease RHIZSP 19-Sep-08 Severity 1-9 67 DA-A	19-Sep-08 Ldg Rate %	19-Sep-08 Ldg Type 1-5	25-Sep-08 Yield bu/A
								1	2	3	4	5	6	9
1	Nontreated							70 a	6 a	88 a	9 a	56 a	4 a	162 c
2	Serenade ASO		L	2	QT/A	Early Boot	A	68 a	6 a	66 b	7 b	56 a	4 a	138 d
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
3	Serenade ASO		L	0.5	QT/A	Early Boot	A	25 b	2 b	46 c	4 c	51 a	3 a	187 a
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A							
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
4	Serenade ASO		L	1	QT/A	Early Boot	A	21 b	2 b	39 cd	3 c	51 a	3 a	170 bc
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A							
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
5	Serenade ASO		L	2	QT/A	Early Boot	A	18 b	2 b	34 de	3 c	64 a	5 a	163 c
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A							
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
6	Serenade ASO		L	0.5	QT/A	Early Boot	A	15 b	2 b	35 de	3 c	68 a	4 a	182 ab
	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A							
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
7	Serenade ASO		L	1	QT/A	Early Boot	A	13 b	2 b	26 e	3 c	57 a	3 a	193 a
	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A							
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
8	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A	21 b	2 b	39 cd	3 c	79 a	5 a	181 ab
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
9	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A	14 b	2 b	31 de	3 c	64 a	4 a	195 a
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A							
Standard Deviation								12.7	1.1	7.1	0.9	31.9	1.5	10.8
CV								43.51	38.68	15.79	21.82	52.54	41.02	6.18

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17-Oct-08 Whole Mill %	17-Oct-08 Head Rice %
								10	11
1	Nontreated							70 a	65 a
2	Serenade ASO		L	2	QT/A	Early Boot	A	71 a	67 a
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
3	Serenade ASO		L	0.5	QT/A	Early Boot	A	70 a	65 a
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A		
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
4	Serenade ASO		L	1	QT/A	Early Boot	A	71 a	66 a
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A		
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
5	Serenade ASO		L	2	QT/A	Early Boot	A	70 a	65 a
	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A		
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
6	Serenade ASO		L	0.5	QT/A	Early Boot	A	70 a	65 a
	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A		
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
7	Serenade ASO		L	1	QT/A	Early Boot	A	70 a	66 a
	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A		
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
8	Quadris	2.08	SC	4	FL OZ/A	Early Boot	A	70 a	66 a
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
9	Quadris	2.08	SC	8.2	FL OZ/A	Early Boot	A	70 a	65 a
	Kinetic HV		L	2.4	FL OZ/A	Early Boot	A		
Standard Deviation								0.6	0.9
CV								0.81	1.37

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Evito Efficacy Against Sheath Blight

Trial ID: 08-FN-11
Location: DREC

Objectives:
Determine efficacy of Evito against sheath blight in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 7-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 25-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: D **Code:** RHIZSP Rhizoctonia sp.
Common Name: Sheath blight

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N
12.	11-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Evito Efficacy Against Sheath Blight

Trial ID: 08-FN-11
Location: DREC

Application Description

	A	B	C
Application Date:	14-Jul-08	21-Jul-08	28-Jul-08
Time of Day:	7:30 am	7:45 am	7:30 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	PD+14	E Boot	Mid Boot
Application Placement:	Foliar	Foliar	Foliar
Applied By:	LCV, JKM	JKM	LCV, JKM
Air Temperature, Unit:	76 F	84 F	82 F
% Relative Humidity:	80	88	89
Wind Velocity, Unit:	2.5 MPH	4 MPH	0 MPH
Wind Direction:	N	E	
Dew Presence (Y/N):	Y	Y	Y
Soil Moisture:	Flood	Flood	Flood
% Cloud Cover:	0	0	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	E Boot	Boot	Mid Boot
Stage Minimum, Percent:	E Boot	Boot	Mid Boot
Stage Maximum, Percent:	E Boot	Boot	Mid Boot
Height, Unit:	31 IN	35 IN	36 IN
Height Minimum, Maximum:	30 32	34 36	35 37

Application Equipment

	A	B	C
Appl. Equipment:	CO2 Backpack	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	22 PSI	22 PSI	22 PSO
Nozzle Type:	TT	TT	TT
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	2.5 MPH	2.5 MPH	2.5 MPH

Date	By	Notes
25-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Evito Efficacy Against Sheath Blight

Trial ID: 08-FN-11
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	9
	Pest Type							D Disease	D Disease	D Disease	D Disease			
	Pest Code							RHIZSP	RHIZSP	RHIZSP	RHIZSP			
	Rating Date							18-Aug-08	18-Aug-08	19-Sep-08	19-Sep-08	19-Sep-08	19-Sep-08	25-Sep-08
	Rating Data Type							Incidence	Severity	Incidence	Severity	Ldg Rate	Ldg Type	Yield
	Rating Unit							%	1-9	%	1-9	%	1-5	bu/A
	Trt-Eval Interval							21 DA-C	21 DA-C	67 DA-A	67 DA-A			
1	Nontreated							69 a	5 a	84 a	8 a	64 b	4 a	161 c
2	Quadris	2.08	SC	9	FL OZ/A	Early Boot	B	28 bc	3 b	34 c	3 c	65 b	4 a	185 a
3	Quadris	2.08	SC	12	FL OZ/A	Early Boot	B	26 c	3 b	36 c	3 bc	81 ab	4 a	182 ab
4	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	33 bc	3 b	41 c	3 bc	93 a	5 a	186 a
	Quadris	2.08	SC	6	FL OZ/A	Mid Boot	C							
5	Evito	4	SC	3	FL OZ/A	Early Boot	B	51 ab	4 b	65 b	4 b	83 ab	4 a	163 bc
6	Evito	4	SC	4	FL OZ/A	Early Boot	B	45 bc	3 b	49 c	3 bc	61 b	4 a	178 abc
7	Evito	4	SC	5.7	FL OZ/A	Early Boot	B	35 bc	3 b	36 c	3 bc	78 ab	4 a	175 abc
8	Evito	4	SC	4	FL OZ/A	PD+14 d	A	31 bc	3 b	46 c	4 bc	95 a	5 a	142 d
	Evito	4	SC	4	FL OZ/A	Mid Boot	C							
	Standard Deviation							14.4	0.9	9.9	0.8	13.7	0.6	11.7
	CV							36.36	28.79	20.22	20.93	17.68	13.84	6.84

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	10	11
	Pest Code							20-Oct-08	20-Oct-08
	Rating Date							Whole Mill	Head Rice
	Rating Data Type							%	%
	Rating Unit								
	Trt-Eval Interval								
1	Nontreated							72 a	67 a
2	Quadris	2.08	SC	9	FL OZ/A	Early Boot	B	72 a	68 a
3	Quadris	2.08	SC	12	FL OZ/A	Early Boot	B	72 a	68 a
4	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	71 a	66 a
	Quadris	2.08	SC	6	FL OZ/A	Mid Boot	C		
5	Evito	4	SC	3	FL OZ/A	Early Boot	B	72 a	67 a
6	Evito	4	SC	4	FL OZ/A	Early Boot	B	71 a	66 a
7	Evito	4	SC	5.7	FL OZ/A	Early Boot	B	72 a	68 a
8	Evito	4	SC	4	FL OZ/A	PD+14 d	A	72 a	66 a
	Evito	4	SC	4	FL OZ/A	Mid Boot	C		
	Standard Deviation							0.9	1.3
	CV							1.29	1.97

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Sheath Blight Control Programs

Trial ID: 08-FN-12
Location: DREC

Objectives:
Evaluate sequential fungicide applications in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: CL 161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 7-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 25-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: D **Code:** RHIZSP Rhizoctonia sp.
Common Name: Sheath blight

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Factorial

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
12.	11-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Sheath Blight Control Programs

Trial ID: 08-FN-12
Location: DREC

Application Description

	A	B
Application Date:	14-Jul-08	21-Jul-08
Time of Day:	7:30 am	8:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	PD+14	Mid Boot
Application Placement:	Foliar	Foliar
Applied By:	LCV, JKM	JKM
Air Temperature, Unit:	76 F	84 F
% Relative Humidity:	80	88
Wind Velocity, Unit:	2.5 MPH	4 MPH
Wind Direction:	N	E
Dew Presence (Y/N):	Y	Y
Soil Moisture:	Flood	Flood
% Cloud Cover:	0	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	E Boot	Mid Boot
Stage Minimum, Percent:	E Boot	Mid Boot
Stage Maximum, Percent:	E Boot	Mid Boot
Height, Unit:	31 IN	36 IN
Height Minimum, Maximum:	30 32	34 37

Application Equipment

	A	B
Appl. Equipment:	CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:	22 PSI	22 PSI
Nozzle Type:	TT	TT
Nozzle Size:	110015	110015
Nozzle Spacing, Unit:	16 IN	16 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	2.5 MPH	2.5 MPH

Date	By	Notes
25-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Sheath Blight Control Programs

Trial ID: 08-FN-12
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	D Disease RHIZSP 18-Aug-08 Incidence % 28 DA-B	D Disease RHIZSP 18-Aug-08 Severity 1-9 28 DA-B	D Disease RHIZSP 19-Sep-08 Incidence % 60 DA-B	D Disease RHIZSP 19-Sep-08 Severity 1-9 60 DA-B	19-Sep-08 Ldg Rate %	19-Sep-08 Ldg Type 1-5	25-Sep-08 Yield bu/A
								1	2	3	4	5	6	9
1	Nontreated							71 a	5 a	80 a	9 a	66 a	4 a	125 g
	Nontreated													
2	Nontreated							53 ab	4 ab	32 b	3 b	67 a	4 a	155 def
	Quilt	1.66	SC	14	FL OZ/A	Mid Boot	B							
3	Nontreated							25 bc	2 b	40 b	3 b	53 a	3 a	165 cde
	Quilt	1.66	SC	21	FL OZ/A	Mid Boot	B							
4	Nontreated							39 bc	3 ab	47 b	3 b	62 a	3 a	199 a
	Stratego	2.08	SC	16	FL OZ/A	Mid Boot	B							
5	Nontreated							43 bc	4 ab	42 b	3 b	78 a	4 a	138 fg
	Stratego	2.08	SC	19	FL OZ/A	Mid Boot	B							
6	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	25 bc	3 b	42 b	3 b	76 a	5 a	159 c-f
	Nontreated													
7	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	15 c	2 b	42 b	3 b	91 a	4 a	163 c-f
	Quilt	1.66	SC	14	FL OZ/A	Mid Boot	B							
8	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	20 c	2 b	38 b	3 b	70 a	4 a	179 a-d
	Quilt	1.66	SC	21	FL OZ/A	Mid Boot	B							
9	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	33 bc	3 b	32 b	2 b	93 a	4 a	152 def
	Stratego	2.08	SC	16	FL OZ/A	Mid Boot	B							
10	Quadris	2.08	SC	6	FL OZ/A	PD+14 d	A	23 c	2 b	37 b	2 b	50 a	3 a	182 abc
	Stratego	2.08	SC	19	FL OZ/A	Mid Boot	B							
11	Quadris	2.08	SC	9	FL OZ/A	PD+14 d	A	19 c	2 b	32 b	3 b	68 a	4 a	194 ab
	Nontreated													
12	Quadris	2.08	SC	9	FL OZ/A	PD+14 d	A	20 c	2 b	37 b	3 b	72 a	4 a	178 a-d
	Quilt	1.66	SC	14	FL OZ/A	Mid Boot	B							
13	Quadris	2.08	SC	9	FL OZ/A	PD+14 d	A	21 c	2 b	30 b	3 b	88 a	5 a	151 ef
	Quilt	1.66	SC	21	FL OZ/A	Mid Boot	B							
14	Quadris	2.08	SC	9	FL OZ/A	PD+14 d	A	21 c	2 b	40 b	3 b	91 a	4 a	169 b-e
	Stratego	2.08	SC	16	FL OZ/A	Mid Boot	B							
15	Quadris	2.08	SC	9	FL OZ/A	PD+14 d	A	19 c	2 b	38 b	3 b	91 a	5 a	164 cde
	Stratego	2.08	SC	19	FL OZ/A	Mid Boot	B							
Standard Deviation								18.1	1.2	10.9	0.5	25.8	0.9	14.0
CV								61.02	49.44	26.85	16.91	34.58	22.19	8.49

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Sheath Blight Control Programs

Trial ID: 08-FN-12
Location: DREC

Pest Code Rating Date Rating Data Type Rating Unit Trt-Eval Interval								24-Oct-08 Whole Mill %	24-Oct-08 Head Rice %
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	10	11
1	Nontreated Nontreated							72 a	66 a
2	Nontreated Quilt	1.66	SC	14	FL OZ/A	Mid Boot	B	71 a	64 a
3	Nontreated Quilt	1.66	SC	21	FL OZ/A	Mid Boot	B	72 a	66 a
4	Nontreated Stratego	2.08	SC	16	FL OZ/A	Mid Boot	B	72 a	65 a
5	Nontreated Stratego	2.08	SC	19	FL OZ/A	Mid Boot	B	71 a	65 a
6	Quadris Nontreated	2.08	SC	6	FL OZ/A	PD+14 d	A	71 a	65 a
7	Quadris Quilt	2.08 1.66	SC SC	6 14	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	72 a	66 a
8	Quadris Quilt	2.08 1.66	SC SC	6 21	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	72 a	66 a
9	Quadris Stratego	2.08 2.08	SC SC	6 16	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	71 a	65 a
10	Quadris Stratego	2.08 2.08	SC SC	6 19	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	71 a	66 a
11	Quadris Nontreated	2.08	SC	9	FL OZ/A	PD+14 d	A	72 a	66 a
12	Quadris Quilt	2.08 1.66	SC SC	9 14	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	72 a	65 a
13	Quadris Quilt	2.08 1.66	SC SC	9 21	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	73 a	66 a
14	Quadris Stratego	2.08 2.08	SC SC	9 16	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	71 a	64 a
15	Quadris Stratego	2.08 2.08	SC SC	9 19	FL OZ/A FL OZ/A	PD+14 d Mid Boot	A B	70 a	64 a
Standard Deviation CV								0.9 1.19	1.1 1.67

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Disease Monitoring Plots 4

Trial ID: 08-FN-13
Location: DREC

Crop Description

Crop 1: ORYSA Oryza sativa Rice
Variety: Multiple **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 21-Apr-08
Planting Method: Drill Multiple
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 71 F
Soil Moisture: Adequate

Site and Design

Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Stale Seedbed
Replications: 4 **Study Design:** Factorial

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
2.	14-Apr-08	Permit	75	DF	0.67	OZ/A	Y
3.	22-Apr-08	Command	3	ME	1	PT/A	Y
4.	22-Apr-08	Roundup Weathermax	5.5	SL	22	FL OZ/A	Y
5.	1-May-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
6.	1-May-08	Facet	75	DF	0.5	LB/A	Y
7.	3-Jun-08	Regiment	80	WP	0.5	OZ/A	Y
8.	3-Jun-08	Dyne-A-Pak		L	1	%v/v	Y
9.	3-Jun-08	Urea (46-0-0)	46	GR	380	LB/A	N
10.	3-Jun-08	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Disk, March 2008
Tripple K, April 2008

Soil Description

% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions

Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	4-Jun-08	Flood

Mississippi State University - DREC
Rice Disease Monitoring Plots 4

Trial ID: 08-FN-13
Location: DREC

Application Description

	A
Application Date:	10-Jul-08
Time of Day:	7:15 am
Application Method:	Broadcast
Application Timing:	Boot
Application Placement:	Foliar
Applied By:	JKM
Air Temperature, Unit:	78 F
% Relative Humidity:	80
Wind Velocity, Unit:	4 MPH
Wind Direction:	S
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	E Boot
Stage Minimum, Percent:	E Boot
Stage Maximum, Percent:	E Boot
Height, Unit:	31 IN
Height Minimum, Maximum:	28 34

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	22 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2.5 MPH

Notes
SEEDING RATES: Variety - 80 lb/A; Hybrid - 25 lb/A

EMERGENCE DATES: Variety- 2-May-2008; Hybrid – 3-May-2008

Mississippi State University - DREC
Rice Disease Monitoring Plots 4

Trial ID: 08-FN-13
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8-Sep-08 Ldg Rate %	8-Sep-08 Ldg Type 1-5	8-Sep-08 Yield bu/A	13-Oct-08 Whole Mill %	13-Oct-08 Head Rice %
	Rating Date							8-Sep-08	8-Sep-08	8-Sep-08	13-Oct-08	13-Oct-08
	Rating Data Type							Ldg Rate	Ldg Type	Yield	Whole Mill	Head Rice
	Rating Unit							%	1-5	bu/A	%	%
								1	2	5	6	7
1	Cocodrie Nontreated							80 ab	5 a	224 a-e	68 d-h	62 d-g
2	Cocodrie Quilt	1.66	SC	21	FL OZ/A	Boot	A	38 bcd	4 ab	213 c-f	70 bcd	63 b-e
3	CL161 Nontreated									186 fg	69 d-g	61 d-h
4	CL161 Quilt	1.66	SC	21	FL OZ/A	Boot	A	83 ab	5 a	200 ef	70 bcd	63 a-d
5	CL131 Nontreated							68 abc	4 ab	147 h	71 a	65 ab
6	CL131 Quilt	1.66	SC	21	FL OZ/A	Boot	A	45 a-d	4 ab	167 gh	71 ab	65 ab
7	CL151 Nontreated							96 a	5 a			
8	CL151 Quilt	1.66	SC	21	FL OZ/A	Boot	A	95 a	5 a	226 a-e	67 i	60 f-i
9	Bowman Nontreated							2 d	1 c	238 abc	69 d-g	61 e-i
10	Bowman Quilt	1.66	SC	21	FL OZ/A	Boot	A	0 d		219 b-e	67 hi	58 j
11	Catahoula Nontreated							0 d		246 ab	71 a	66 a
12	Catahoula Quilt	1.66	SC	21	FL OZ/A	Boot	A	0 d		227 a-e	70 abc	64 abc
13	Sabine Nontreated							43 bcd	4 ab	208 def	69 c-f	64 a-d
14	Sabine Quilt	1.66	SC	21	FL OZ/A	Boot	A			221 b-e	68 ghi	61 e-i
15	Wells Nontreated							24 cd	3 bc	215 cde	69 cde	61 e-i
16	Wells Quilt	1.66	SC	21	FL OZ/A	Boot	A	0 d		241 abc	70 abc	62 c-f
17	XL723 Nontreated							90 ab	5 a	245 ab	68 e-i	58 ij
18	XL723 Quilt	1.66	SC	21	FL OZ/A	Boot	A	83 ab	3 abc	252 a	69 d-g	60 f-j
19	CLXL729 Nontreated							63 abc	3 abc	229 a-e	68 f-i	59 hij
20	CLXL729 Quilt	1.66	SC	21	FL OZ/A	Boot	A	55 abc	4 ab	232 a-d	68 e-i	59 g-j
	Standard Deviation							30.8	1.3	17.3	0.8	1.4
	CV							64.18	34.98	7.96	1.18	2.35

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
V-10170 Efficacy against Rice Water Weevil

Trial ID: 08-IS-01
Location: DREC

Objectives:
Determine efficacy of V-10170 against rice water weevils.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 26-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: I **Code:** LISSOR Lissorhoptrus oryzophilus
Common Name: Rice water weevil

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Command	3	ME	1.33	PT/A	Y
2.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	N
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
V-10170 Efficacy against Rice Water Weevil

Trial ID: 08-IS-01
Location: DREC

Application Description

	A	B	C
Application Date:		10-Jun-08	18-Jun-08
Time of Day:		8:00 am	3:00 pm
Application Method:		Broadcast	Broadcast
Application Timing:		1-2dPRFLD	7d PTFLD
Application Placement:		Foliar	Foliar
Applied By:		JAB	JAB, JKM
Air Temperature, Unit:		74 F	88 F
% Relative Humidity:		77	45
Wind Velocity, Unit:		2.5 MPH	2.5 MPH
Wind Direction:		N	NE
Dew Presence (Y/N):		Y	N
Soil Moisture:		Mud	Flood
% Cloud Cover:		75	75

Crop Stage At Each Application

	A	B	C
Crop 1 Code:		ORYSA	ORYSA
Stage Majority, Percent:		3 TIL	4 TIL
Stage Minimum, Percent:		2 TIL	3 TIL
Stage Maximum, Percent:		3 TIL	4 TIL
Height, Unit:		9 IN	12 IN
Height Minimum, Maximum:		8 10	11 13

Application Equipment

	A	B	C
Appl. Equipment:		CO2 Backpack	CO2 Backpack
Operating Pressure, Unit:		28 PSI	22 PSI
Nozzle Type:		AI	AI
Nozzle Size:		110015VS	110015VS
Nozzle Spacing, Unit:		16 IN	16 IN
Nozzles/Row:		4	4
Boom Height, Unit:		18 IN	18 IN
Ground Speed, Unit:		3 MPH	2.5 MPH

Date	By	Notes
26-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
V-10170 Efficacy against Rice Water Weevil

Trial ID: 08-IS-01
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	7
Pest Type								I Insect	I Insect			
Pest Code								LISSOR	LISSOR			
Rating Date								2-Jul-08	16-Jul-08	25-Sep-08	25-Sep-08	26-Sep-08
Rating Data Type								Count	Count	Ldg Rate	Ldg Type	Yield
Rating Unit								#/2 core	#/2 core	%	1-5	bu/A
Days After First/Last Applic.								14	28	99	99	100
Trt-Eval Interval								14 DA-C	28 DA-C			
1	Nontreated							0 a	0 a	88 a	4 a	187 bc
2	Warrior	1	CS	5.12	FL OZ/A	1-2 d PRFLD	B	0 a	0 a	84 a	4 a	181 bc
3	V-10170	2.13	SC	5.6	OZ/A	1-2 d PRFLD	B	0 a	0 a	88 a	4 a	168 c
4	V-10170	2.13	SC	8.7	OZ/A	1-2 d PRFLD	B	0 a	0 a	88 a	5 a	199 ab
5	V-10170	2.13	SC	10.8	OZ/A	1-2 d PRFLD	B	0 a	0 a	93 a	4 a	207 ab
6	V-10170	2.13	SC	5.6	OZ/A	7 d PTFLD	C	0 a	0 a	88 a	4 a	182 bc
7	V-10170	2.13	SC	8.7	OZ/A	7 d PTFLD	C	0 a	0 a	86 a	5 a	195 abc
8	V-10170	2.13	SC	10.8	OZ/A	7 d PTFLD	C	0 a	0 a	71 a	4 a	192 bc
9	V-10170	5	FS	150	G AI/100 KG	SEED TRMT	A	0 a	0 a	75 a	2 b	220 a
Standard Deviation								0.0	0.0	10.8	0.7	16.7
CV								0.0	0.0	12.79	18.75	8.71

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Dermacor X-100 on Rice Variety and Rice Hybrid

Trial ID: 08-IS-02
Location: DREC

Objectives:
Evaluate Dermacor X-100 for control of rice water weevil and other rice pests using seed treatments on conventional and hybrid rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie, XL723 **Description:** Multiple
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 26-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: I **Code:** LISSOR Lissorhoptrus oryzophilus
Common Name: Rice water weevil

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Dermacor X-100 on Rice Variety and Rice Hybrid

Trial ID: 08-IS-02
Location: DREC

Application Description

	A
Application Date:	10-Jun-08
Time of Day:	8:00 am
Application Method:	Broadcast
Application Timing:	2-3dPRFLD
Application Placement:	Foliar
Applied By:	LCV
Air Temperature, Unit:	74 F
% Relative Humidity:	77
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Mud
% Cloud Cover:	75

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	28 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Date	By	Notes
26-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Dermacor X-100 on Rice Variety and Rice Hybrid

Trial ID: 08-IS-02
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	7
	Pest Type							I Insect	I Insect			
	Pest Code							LISSOR	LISSOR			
	Rating Date							2-Jul-08	16-Jul-08	25-Sep-08	25-Sep-08	26-Sep-08
	Rating Data Type							Count	Count	Ldg Rate	Ldg Type	Yield
	Rating Unit							#/2 core	#/2 core	%	1-5	bu/A
	Days After First/Last Applic.							22 22	36 36	107 107	107 107	108 108
	Trt-Eval Interval							22 DA-A	36 DA-A			
1	Cocodrie at 90 lb/A							0 a	0 a	88 a	5 a	147 a
	Dermacor X-100	5	FS	0.025	MG AI/SEED	SEED TRMT	A					
2	Cocodrie at 90 lb/A							0 a	0 a	96 a	5 a	143 a
	Dermacor X-100	5	FS	0.05		SEED TRMT	A					
3	Cocodrie at 90 lb/A							0 a	0 a	90 a	4 a	143 a
	Dermacor X-100	5	FS	0.01	MG AI/SEED	SEED TRMT	A					
4	XL723 at 40 lb/A							0 a	0 a	85 a	5 a	161 a
	Dermacor X-100	5	FS	0.025	MG AI/SEED	SEED TRMT	A					
5	XL723 at 40 lb/A							0 a	0 a	94 a	5 a	151 a
	Dermacor X-100	5	FS	0.05		SEED TRMT	A					
6	XL723 at 40 lb/A							0 a	0 a	96 a	5 a	152 a
	Dermacor X-100	5	FS	0.01	MG AI/SEED	SEED TRMT	A					
7	Cocodrie at 90 lb/A							0 a	0 a	94 a	5 a	149 a
	HGW86 (Cyazapyr)	5	FS	0.01	MG AI/SEED	SEED TRMT	A					
8	Cocodrie at 90 lb/A							0 a	0 a	88 a	5 a	135 a
	Karate Z	2.08	CS	2.56	FL OZ/A	2-3 d PRFLD	B					
9	XL723 at 40 lb/A							0 a	0 a	90 a	5 a	145 a
	Karate Z	2.08	CS	2.56	FL OZ/A	2-3 d PRFLD	B					
10	Cocodrie at 90 lb/A							0 a	0 a	90 a	5 a	133 a
	Nontreated											
11	XL723 at 40 lb/A							0 a	0 a	91 a	5 a	157 a
	Nontreated											
	Standard Deviation							0.0	0.0	6.6	0.5	12.4
	CV							0.0	0.0	7.24	10.02	8.47

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Dermacor X-100 on Rice Seeded at Two Densities

Trial ID: 08-IS-03
Location: DREC

Objectives:
Evaluate Dermacor X-100 for control of rice water weevil and other insects using a range of seed loading rates and a field seeding rate of 90 and 120 lb seed/A.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Wells **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 25-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: I **Code:** LISSOR Lissorhoptrus oryzophilus
Common Name: Rice water weevil

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Dermacor X-100 on Rice Seeded at Two Densities

Trial ID: 08-IS-03
Location: DREC

Application Description

	A
Application Date:	10-Jun-08
Time of Day:	8:00 am
Application Method:	Broadcast
Application Timing:	2-3dPRFLD
Application Placement:	Foliar
Applied By:	LCV
Air Temperature, Unit:	74 F
% Relative Humidity:	77
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Mud
% Cloud Cover:	75

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	3 TIL
Stage Minimum, Percent:	2 TIL
Stage Maximum, Percent:	3 TIL
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	28 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Date	By	Notes
25-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Dermacor X-100 on Rice Seeded at Two Densities

Trial ID: 08-IS-03
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	1	2	3	4	7
Pest Type							I Insect	I Insect			
Pest Code							LISSOR	LISSOR			
Rating Date							2-Jul-08	16-Jul-08	25-Sep-08	25-Sep-08	25-Sep-08
Rating Data Type							Count	Count	Ldg Rate	Ldg Type	Yield
Rating Unit							#/2 core	#/2 core	%	1-5	bu/A
Days After First/Last Applic.							22 22	36 36	107 107	107 107	107 107
Trt-Eval Interval							22 DA-A	36 DA-A			
1	Wells at 120 lb/A Dermacor X-100	5	FS	0.0625	MG AI/SEED	SEED TRMT	0 a	0 a	31 a	2 a	200 a
2	Wells at 120 lb/A Dermacor X-100	5	FS	0.0125		SEED TRMT	0 a	0 a	24 a	2 a	206 a
3	Wells at 120 lb/A Dermacor X-100	5	FS	0.025	MG AI/SEED	SEED TRMT	0 a	0 a	23 a	1 ab	201 a
4	Wells at 90 lb/A Dermacor X-100	5	FS	0.0125	MG AI/SEED	SEED TRMT	0 a	0 a	10 a	1 ab	195 a
5	Wells at 90 lb/A Dermacor X-100	5	FS	0.025	MG AI/SEED	SEED TRMT	0 a	0 a	15 a	0 b	201 a
6	Wells at 120 lb/A Karate Z	2.08	CS	2.56	FL OZ/A	2-3 d PRFLD	0 a	0 a	10 a	1 ab	193 a
7	Wells at 90 lb/A Nontreated						0 a	0 a	0 a	0 b	199 a
8	Wells at 120 lb/A Nontreated						0 a	0 a	9 a	0 b	195 a
Standard Deviation							0.0	0.0	20.4	0.7	10.7
CV							0.0	0.0	134.52	108.55	5.41

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Dermacor X-100 Efficacy against Rice Pests

Trial ID: 08-IS-04
Location: DREC

Objectives:
Evaluate Dermacor X-100 for control of insect pest in rice using seed treatment.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 26-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, Mar 2008
Triple K, Apr 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Mississippi State University - DREC
Dermacor X-100 Efficacy against Rice Pests

Trial ID: 08-IS-04
Location: DREC

Application Description

	A
Application Date:	10-Jun-08
Time of Day:	8:00 am
Application Method:	Broadcast
Application Timing:	2-3dPRFLD
Application Placement:	Foliar
Applied By:	LCV
Air Temperature, Unit:	74 F
% Relative Humidity:	77
Wind Velocity, Unit:	2.5 MPH
Wind Direction:	N
Dew Presence (Y/N):	Y
Soil Moisture:	Mud
% Cloud Cover:	75

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	3 TIL
Stage Minimum, Percent:	2 TIL
Stage Maximum, Percent:	3 TIL
Height, Unit:	9 IN
Height Minimum, Maximum:	8 10

Application Equipment

	A
Appl. Equipment:	CO2 Backpack
Operating Pressure, Unit:	28 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH

Date	By	Notes
26-Sep-08	JAB	Lodging occurred after the remains of Hurricane Ike passed over the site.

Mississippi State University - DREC
Dermacor X-100 Efficacy against Rice Pests

Trial ID: 08-IS-04
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	2	3	4	5	6	9
Pest Type								I Insect	I Insect			
Pest Code								LISSOR	LISSOR			
Rating Date							2-Jun-08	2-Jul-08	16-Jul-08	25-Sep-08	25-Sep-08	26-Sep-08
Rating Data Type							Density	Count	Count	Ldg Rate	Ldg Type	Yield
Rating Unit							pl/sq. m	#/2 core	#/2 core	%	1-5	bu/A
Days After First/Last Applic.							-8 -8	22 22	36 36	107 107	107 107	108 108
Trt-Eval Interval								22 DA-A	36 DA-A			
1	Dermacor X-100	5	FS	0.025	MG AI/SEED	SEED TRMT	293 a	0 a	0 a	78 a	5 a	146 a
2	Dermacor X-100	5	FS	0.05	MG AI/SEED	SEED TRMT	316 a	0 a	0 a	80 a	4 a	162 a
3	Dermacor X-100	5	FS	0.1	MG AI/SEED	SEED TRMT	262 a	0 a	0 a	90 a	5 a	143 a
4	HGW86 (Cyazapyr)	5	FS	0.1	MG AI/SEED	SEED TRMT	254 a	0 a	0 a	76 a	5 a	130 a
5	Karate Z	2.08	CS	2.56	FL OZ/A	2-3 d PRFLD	276 a	0 a	0 a	94 a	5 a	146 a
6	Nontreated						292 a	0 a	0 a	76 a	5 a	140 a
Standard Deviation							48.7	0.0	0.0	18.3	0.5	14.9
CV							17.27	0.0	0.0	22.22	10.35	10.3

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Cruiser Maxx Rice Efficacy

Trial ID: 08-IS-05
Location: DREC

Objectives:
1. Evaluate the efficacy of Cruiser Maxx Rice against rice water weevil and grape colaspis in rice.
2. Evaluate the effect of Cruiser Maxx Rice on stand, vigor and yield on rice.
3. Evaluate the crop safety of Cruiser Maxx in rice.

Crop Description
Crop 1: ORYSA Oryza sativa Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 6-May-08
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 72 F
Soil Moisture: Adequate **Emergence Date:** 13-May-08
Harvest Date: 26-Sep-08 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description
Pest 1 Type: I **Code:** LISSOR Lissorhoptrus oryzophilus
Common Name: Rice water weevil

Site and Design
Plot Width, Unit: 5.33 FT **Site Type:** Field
Plot Length, Unit: 15 FT **Tillage Type:** Conventional
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	7-May-08	Roundup Weathermax	5.5	SL	23	FL OZ/A	Y
2.	7-May-08	Command	3	ME	1.33	PT/A	Y
3.	7-May-08	Permit	75	DF	0.67	OZ/A	Y
4.	2-Jun-08	Prowl H2O	3.8	CS	2.1	PT/A	Y
5.	2-Jun-08	Ricestar HT	0.58	EC	24	FL OZ/A	Y
6.	2-Jun-08	Aim	2	EC	1	FL OZ/A	Y
7.	2-Jun-08	Agri-Dex		L	1	%v/v	Y
8.	11-Jun-08	Riceshot	4	EC	4	QT/A	Y
9.	11-Jun-08	Aim	2	EC	1	FL OZ/A	Y
10.	11-Jun-08	Permit	75	DF	0.5	OZ/A	Y
11.	11-Jun-08	Urea(46-0-0)	46	GR	380	LB/A	N

Field Prep./Maintenance:
Disk, March 2008
Triple K, April 2008

Soil Description
% Sand: 11 **% OM:** 2.1 **Texture:** SILTY CLAY
% Silt: 30 **pH:** 8.2 **Soil Name:** Sharkey
% Clay: 59 **CEC:** 34.2 **Fert. Level:** Excellent

Moisture and Weather Conditions
Overall Moisture Conditions: NORMAL
Closest Weather Station: MSU DREC **Distance:** 1 **Unit:** MI

	Date	Type
1.	22-May-08	Flush
2.	4-Jun-08	Flush
3.	12-Jun-08	Flood

Date	By	Notes
26-Sep-08	JAB	Lodging occurred after remains of Hurricane Ike passed over site.

Mississippi State University - DREC
Cruiser Maxx Rice Efficacy

Trial ID: 08-IS-05
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	2-Jun-08 Density pl./sq m	I Insect LISSOR 2-Jul-08 Count #/2 core 22 22 22 DA-A	I Insect LISSOR 16-Jul-08 Count #/2 core 36 36 36 DA-A	25-Sep-08 Ldg Rate %	25-Sep-08 Ldg Type 1-5	26-Sep-08 Yield bu/A
								2	3	4	5	6	9
1	Apron XL	3	LS	5.7	G AI/100 KG	SEED TRMT	A	235 a	0 a	0 a	79 a	5 a	138 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A						
	Dynasty	0.83	FS	1.0	G AI/100 KG	SEED TRMT	A						
2	Apron XL	3	LS	5.7	G AI/100 KG	SEED TRMT	A	241 a	0 a	0 a	88 a	5 a	143 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A						
	Dynasty	0.83	FS	1.0	G AI/100 KG	SEED TRMT	A						
	Cruiser	5	FS	120.0	G AI/100 KG	SEED TRMT	A						
3	A16789-A	2.88	FS	135	G AI/100 KG	SEED TRMT	A	241 a	0 a	0 a	90 a	5 a	117 a
4	A16789-B	2.88	FS	135	G AI/100 KG	SEED TRMT	A	228 a	0 a	0 a	86 a	5 a	135 a
5	Apron XL	3	LS	5.7	G AI/100 KG	SEED TRMT	A	221 a	0 a	0 a	86 a	5 a	117 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A						
	Dynasty	0.83	FS	1.0	G AI/100 KG	SEED TRMT	A						
	Cruiser	5	FS	120.0	G AI/100 KG	SEED TRMT	A						
	EXC3925	5	FS	0.025	MG AI/SEED	SEED TRMT	A						
6	Apron XL	3	LS	5.7	G AI/100 KG	SEED TRMT	A	225 a	0 a	0 a	80 a	5 a	121 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A						
	Dynasty	0.83	FS	1.0	G AI/100 KG	SEED TRMT	A						
	Cruiser	5	FS	80.0	G AI/100 KG	SEED TRMT	A						
	EXC3925	5	FS	0.025	MG AI/SEED	SEED TRMT	A						
7	Apron XL	3	LS	5.7	G AI/100 KG	SEED TRMT	A	221 a	0 a	0 a	91 a	5 a	117 a
	Maxim	4	FS	1.25	G AI/100 KG	SEED TRMT	A						
	Dynasty	0.83	FS	1.0	G AI/100 KG	SEED TRMT	A						
	EXC3925	5	FS	0.025	MG AI/SEED	SEED TRMT	A						
Standard Deviation								15.7	0.0	0.0	11.6	0.4	15.4
CV								6.81	0.0	0.0	13.56	7.84	12.15

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Dermacor X-100 Yield Trials

Trial ID: 08-IS-06 to 08
Location: Davis Farm, Prather Farm, and Satterfield Farm

								Davis Farm	Prather Farm	Satterfield Farm
Rating Date								1-Sep-08	19-Sep-08	23-Sep-08
Rating Data Type								Yield	Yield	Yield
Rating Unit								bu/A	bu/A	bu/A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5	6	7
1	Cocodrie Nontreated							245 a	220 a	235 a
2	Cocodrie Dermacor X-100	5	FS	98	G AI/100 KG	SEED TRMT	A	241 a	204 ab	233 a
3	CL161 Nontreated							208 b	185 b	217 b
4	CL161 Dermacor X-100	5	FS	98	G AI/100 KG	SEED TRMT	A	212 b	183 b	211 b
Standard Deviation								5.5	14.4	10.2
CV								2.41	7.25	4.55

Means in a column followed by the same letter are not significantly different (P=.05, Duncan's New MRT)

Appendix I

Abbreviations

Abbreviations Used in Rice Weed and Pest Management Research

Abbreviation	Definition
A	Acre
AI	Air induction nozzle
ASN	As needed
Boot	Mid-boot growth stage
bu/A	Bushels per acre
cm	centimeter
D or d	day
DA	Days after
DPRE	Delayed preemergence application made after planting but prior to crop emergence
DAE	Days after emergence
DAP	Days after planting
DAT	Days after treatment
DPP	Days prior to planting
E Boot	Early boot growth stage
EPOST	Early postemergence application made to rice in the one- to two-leaf growth stage
FL OZ/A	Fluid ounces product per acre
FT	Feet
FT2	Square feet
GPA	Gallons per acre
Head	Crop or weed panicle visible
Head Rice	Percent of unbroken kernels left after milling
IE	Internode elongation
IN or in	Inches
Lb	Pounds
LB/A	Pounds product per acre
LB A/A or lb ai/A	Pounds active ingredient per acre
Ldg-Rate	Lodging rate in percent
Ldg-Type	Lodging type on a scale of 1 to 5 where 1 = slightly leaning and 5 = complete
LF, lf, or leaf	Number of leaves
LPOST	Late postemergence application made to rice in the four-leaf to one-tiller growth stage
MPH	Miles per hour
MPOST	Mid postemergence application made to rice in the three- to four-leaf growth stage
MSO	Methylated seed oil adjuvant
NA	Information not available/applicable
No.	Number
OZ/A	Ounces product per acre
PD	Panicle differentiation
PI	Panicle initiation
pl/sq. m	Densities 14 days after emergence by counting main-stems in randomly selected area of 1 m^2 in each plot
PRE	Preemergence application made prior to or at planting
PRFLD	Prior to permanent flood establishment
PSI or psi	Pounds per square inch
PTFLD	After permanent flood establishment
PT/A	Pints product per acre
QT/A	Quarts product per acre
TILL, TIL, or til	Number of tillers
Total Mill	Percent of rice kernels left after milling
TT	Turbo TeeJet nozzle
UAN	Urea-ammonium nitrate solution
VEPOST	Very early postemergence application made to rice in the spiking to one-leaf growth stage
VS	Visible stainless steel nozzle
WAF	Weeks after flood
XR	Extended range nozzle
50% Head	Number of days from crop emergence until 50% panicle exertion
% v/v	Volume per volume percentage

Common Rice Weeds of Mississippi

Bayer Code	Common Name	Scientific Name
AESIN	Indian jointvetch	*Aeschynomene indica*
AESVI	northern jointvetch	*Aeschynomene virginica*
ALRPH	alligatorweed	*Alternanthera philoxeroides*
AMAPA	Palmer amaranth	*Amaranthus palmeri*
AMMCO	purple ammannia (redstem)	*Ammannia coccinea*
BRAPP	broadleaf signalgrass	*Urochloa platyphylla*
CNPPA	texasweed	*Caperonia palustris*
CONYZA	Horseweed	*Conyza canadensis*
COMDI	spreading dayflower	*Commelina diffusa*
CYPIR	rice flatsedge	*Cyperus iria*
CYPES	yellow nutsedge	*Cyperus esculentus*
DIGSA	large crabgrass	*Digitaria sanguinalis*
ECHCG	barnyardgrass	*Echinocloa crus-galli*
ECLAL	eclipta	*Eclipta prostrata*
ERICA	horseweed	*Conyza canadensis*
GLYMA	volunteer soybean (Roundup Ready)	*Glycine max*
HETLI	ducksalad	*Heteranthera limosa*
IPOHE	ivyleaf morningglory	*Ipomoea hederacea*
IPOLA	pitted morningglory	*Ipomoea lacunosa*
LAMAN	henbit	*Lamium amplexicaule*
LEFFA	bearded sprangletop (loosehead)	*Leptochloa fascicularis*
LEFPA	Amazon sprangletop (tighthead)	*Leptochloa panicoides*
ORYSA	red rice	*Oryza sativa*
PANDI	fall panicum	*Panicum dichotomiflorum*
PANRA	browntop millet	*Urochloa ramosa*
POAAN	annual bluegrass	*Poa annua*
POLPE	ladysthumb	*Polygonum aviculare*
POLPY	Pennsylvania smartweed	*Polygonum pensylvanicum*
SEBEX	hemp sesbania	*Sesbania hederacea*
SIBVI	common sibara	*Sibara virginica*

Appendix II

List of Chemicals

List of Herbicides

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
Aim	2 EC	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
Beyond	1 AS	BASF	imazamox	2-[4,5-dihydro-4-methyl-4-(1-methylethyl-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid
Bolero	8 EC	Valent	thiobencarb	S-[4-(chlorophenyl)methyl] diethylcarbamothioate
Clarity	4 SC	BASF	dicamba	diglycolamine salt of 3,6-dichloro-o-anisic acid
Clearpath	75 DF	BASF	quinclorac (0.62 lb ai/lb) + imazethapyr (0.13 lb ai/lb)	3,7-dichloro-8-quinolinecarboxylic acid + (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid
Clincher SF	2.38 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	4.03 EC	RiceCo	propanil + bensulfuron	3',4'-dichloropropionanilide + methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino] sulfonyl]methyl]benzoate
ET	0.21 EC	Nichino	pyraflufen ethyl	Ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1*H*-pyrazol-3-yl)-4-fluorophenoxyacetate
Facet	75 DF	BASF	quinclorac	3,7-dichloro-8-quinolinecarboxylic acid
Firstshot	50 SG	DuPont	thifensulfuron (0.25 lb ai/lb + tribenuron (0.25 lb ai/lb)	methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate + methyl 2-[[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl] amino]sulfonyl]benzoate
Gramoxone Inteon	2 SL	Syngenta	paraquat	1,1'-dimethyl-4,4;-bipyridinium dichloride
Grandstand R	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)
Halomax 75	75 WDG	Aceto	halosulfuron	methyl 5-{[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl}-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate
Harmony Extra	75 DF	DuPont	thifensulfuron (0.5 lb ai/lb + tribenuron (0.25 lb ai/lb)	methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate + methyl 2-[[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl] amino]sulfonyl]benzoate

List of Herbicides (continued)

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
Ignite	2.34 SL	Bayer	Glufosinate	glufosinate ammonium
Newpath	2 AS	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 EC	3.3 EC	BASF	Pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
Prowl H2O	3.8 CS	BASF	Pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
Regiment	80 WP	Valent	bispyribac-sodium	sodium 2,6-bis [4,6-dimethoxy pyrimidin-2-yl)oxy] benzoate
Ricebeaux	6 EC	RiceCo	propanil (3 lb ai/gal)+ thiobencarb (3 lb ai/gal	3',4'-dichloropropionanilide + S-[4-(chlorophenyl)methyl] diethylcarbamothioate
Ricepro	4 SC	RiceCo	propanil + quinclorac	3',4'-dichloropropionanilide + 3,7-dichloro-8-quinolinecarboxylic acid
Riceshot	4 EC	RiceCo	Propanil	3',4'-dichloropropionanilide
Ricestar HT	0.58 EC	Bayer	fenoxaprop-p-ethyl	(±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl) oxy]phenoxy]propanoate
Roundup Weathermax	5.5 SL	Monsanto	glyphosate	potassium salt of N-(phosphonomethyl)glycine
Salvo	5 EC	Loveland Industries	2,4-D	Isocotyl (2-ethylhexyl) ester of 2,4-diclorophenoxyacetic acid
Select Max	1 EC	Valent	Clethodim	(E)-2-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one
Sencor	75 DF	Bayer	Metribuzin	4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4*H*)-one
Stam	80 EDF	United Phosphorus	Propanil	3',4'-dichloropropionanilide
Stam M-4	4 EC	United Phosphorus	Propanil	3',4'-dichloropropionanilide
Storm	4 L	United Phosphorus	bentazon (2.67 lb ai/gal) + acifluorfen (1.33 lb ai/gal)	sodium(3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide + 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
Stout	72.5 DF	DuPont	Nicosulfuron	2-[[(4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]aminosulfonyl]-N,N-dimethyl-3-pyridinecarboxamide

List of Herbicides (continued)

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
Strada	50 WG	Isagro USA	orthosulfamuron	1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea
SuperWham	4 EC	RiceCo	Propanil	3',4'-dichloropropionanilide
Ultra Blazer	2 L	United Phosphorus	Acifluorfen	sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
Valor	51 WDG	Valent	Flumioxazin	2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2*H*-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1*H*-isoindole-1,3(2*H*)-dione
NA	2.85 SC	BASF	BAS 80004H	NA
NA	75 WG	Gowam	GWN 3124	NA
NA	75 WG	Gowan	GWN 3125	NA
NA	75 WG	Gowan	GWN 3404	NA
NA	75 WG	Gowan	GWN 3405	NA
NA	75 WG	Gowan	GWN 3406	NA
NA	75 WDG	United Phosphorus	KFD-55-01	NA
NA	4 SC	United Phosphorus	KFD-53-01	NA
NA	61 DF	Isagro	propanil + orthosulfamuron (IRPROP)	3',4'-dichloropropionanilide + 1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea
NA	75 DG	Valent	imazosulfuron (V-10142)	1-(2-chloroimidazo[1,2-*a*]pyridin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea
NA	8.09 EC	Valent	thiobencarb (8 lb ai/gal) + bispyribac-sodium (0.09 lb ai/gal) (V-10232)	S-[4-(chlorophenyl)methyl] diethylcarbamothioate + sodium 2,6-bis [4,6-dimethoxy pyrimidin-2-yl)oxy] benzoate

List of Fungicides

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
Allegiance	2.65 FS	Bayer	metalaxyl	N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester
Apron XL	3 LS	Syngenta	mefenoxam	(R)-2-[(2,6-dimethylphenyl)-methoxyacetylamino]-propionic acid methyl ester
Dynasty	0.83 FS	Syngenta	azoxystrobin	methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate
Evito	4 SC	Arysta Life Science	fluoxastrobin	(*E*)-{2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yloxy]phenyl}(5,6-dihydro-1,4,2-dioxazin-3-yl)methanone *O*-methyloxime
Maxim	4 FS	Syngenta	fludioxonil	4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile
Quadris	2.08 SC	Syngenta	azoxystrobin	methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate
Quilt	1.67 SC	Syngenta	azoxystrobin (1.04 lb ai/gal) + propiconazole (0.63 lb ai/gal)	methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate + 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
Serenade ASO	NA	AgraQuest	*Bacillus subtilis*	QST 713 strain of *Bacillus subtilis*
Stratego	2.08 SC	Bayer	trifloxystrobin (1.04 lb ai/gal) + propiconazole (0.63 lb ai/gal)	methyl 2-methoxyimino-2-[2-[1-[3-(trifluoromethyl) phenyl] ethylideneaminooxymethyl]phenyl]-acetate + 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
Tilt	3.6 EC	Syngenta	propiconazole	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
Trilex 2000	1.15 FS	Bayer	trifloxystrobin (0.64 lb ai/gal) + metalaxyl (0.51 lb ai/gal)	methyl (*E*)-methoxyimino-{(*E*)-α-[1-(α,α,α-trifluoro-*m*-tolyl)ethylideneaminooxy]-*o*-tolyl}acetate + N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester
NA	2.2 SE	Syngenta	azoxystrobin (1.18 lb ai/gal) + propiconazole (1.02 lb ai/gal) (A15909)	methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate + 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
NA	1.67 SE	Syngenta	azoxystrobin + propiconazole (A13705)	methyl (E)-2-{2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate + 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole
NA	0.834 FS	Valent	V-10230	NA
NA	0.834 FS	Valent	V-10240	NA
NA	0.834 FS	Valent	V-10260	NA

List of Insecticides

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
Cruiser	5 FS	Syngenta	thiamethoxam	(*EZ*)-3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene(nitro)amine
Dermacor X-100	5 FS	DuPont	rynaxypyr	3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide
Karate Z	2.08 CS	Syngenta	lambda-cyhalothrin	[1α(S*), 3α(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3,-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate
Warrior	2.08 CS	Syngenta	lambda-cyhalothrin	[1α(S*), 3α(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl-3-(2-chloro-3,3,3,-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate
NA	2.88 FS	Syngenta	A16789-A	NA
NA	2.88 FS	Syngenta	A16789-B	NA
NA	5 FS	Syngenta	EXC3925	NA
NA	5 FS	Valent	clothianidin (V-10170)	(*E*)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine
NA	5 FS	DuPont	cyazapyr (HGW86)	NA

List of Spray Adjuvants

Trade Name	Formulation	Manufacturer	Common Name	Composition
Agri-Dex	99%	Helena	crop oil concentrate	paraffin base petroleum oil (84%), polyol fatty acid esters and polyethoxylated derivatives (15%)
Ammonium sulfate		NA	Fertilizer	spray grade ammonium sulfate fertilizer
Dyne-A-Pak	100%	Helena	methylated seed oil/organosilicone plus urea ammonium nitrate blend	blend of alkanolamides, alkanoates, trisiloxane, carbamides, methylated seed oil, and urea-ammonium nitrate solution
Kinetic HV	99%	Helena	organosilicone surfactant	blend of polyalkyleneoxide modified polydimethylsiloxane and polyoxypropylene-polyoxyethylene block copolymers
Induce	90%	Helena	nonionic surfactant	blend of alkyl aryl polyoxylkane ether and free fatty acids
MSO Adjuvant	100%	Dow Agrosciences	methylated seed oil	methylated seed oil solution
Urea-ammonium nitrate	33%	NA	Fertilizer	blend of urea and ammonium nitrate solution

Appendix III

Rainfall Data

Rainfall Data for the Delta Research and Extension Center in 2008

	Month						
Day of month	**March**	**April**	**May**	**June**	**July**	**August**	**September**
1	0.07	2.23	0	0	0	0.03	0.01
2	0	0.09	0	0	0	0	0.44
3	0	0.05	0.62	0	0	0.57	2.39
4	2.38	0.25	0	0	0	0.02	7.43
5	0.02	3.06	0	0	0.52	0	0
6	0	0.01	0	0	0	0	0.01
7	0.04	0	0	0	0	0	0
8	0.21	0	0.22	0	0	0.31	0
9	0	0	0.12	0	0	0	0.16
10	0	0	0	0.25	0	0.12	0
11	0.37	0.05	0.03	0	0.6	0.94	0
12	0	0.02	0	0	0	1.94	0
13	0	0	0	0	0	0.13	0.05
14	0.07	0	0.45	0	0	0	1.64
15	0.14	0	1.84	0	0	0	0.05
16	0	0	0.5	0	0	0.3	0
17	0	0	0	0	0	0	0
18	0	0	0.04	0	0	0	0
19	0.18	0.34	0	0	0	0	0
20	0.06	0	0	0	0	1.15	0
21	0	0	0	0.12	0	0.27	0
22	0	0	0	0	0	0	0
23	0	0.12	0.65	0	0.52	0	0
24	0	0	0	0	0	0.06	0
25	0	0.01	0.3	0	0	0.1	0
26	0	1.22	0	0	0	0.09	0
27	0	0.1	0	0	0	0	0
28	0	0.43	2.12	0.05	0	0	0
29	0.07	0	0	0	0	0	0
30	0.01	0	0	0	0	0	0
31	0	-	0	-	0	0	-
Total	**3.62**	**7.98**	**6.89**	**0.42**	**1.64**	**6.03**	**12.18**

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