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Rice Weed and Pest Management Project

2007 Annual Research Report

MAFES

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RICE WEED AND PEST MANAGEMENT PROJECT
2007 ANNUAL RESEARCH REPORT

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Introduction

This report summarizes the 2007 rice weed and pest management experiments conducted at the Mississippi State University Delta Research and Extension Center at Stoneville, MS, and in on-farm experiments near Arcola, MS. This information is prepared for the use of industry cooperators, colleagues at other universities, and other interested persons. These results represent only one year's data; therefore, the interpretation may change after additional experimentation. The information presented is not an endorsement or recommendation, is intended for private use, and may not be reproduced without permission.

Many of the herbicide treatments used in these 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. "Notes" listed in site description information for each experiment represent observations maded during evaluations. ""Deviations" listed in site description information for each experiment represent changes from original prescribed treatments. 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 herbicides are listed by experimental number. Herbicide rates are expressed as units of active ingredient (ai), acid equivalent (ae), or product amount.

The authors gratefully acknowledge the following for their assistance in this research:

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Delta Research and Extension Center

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Mississippi State University Delta Research and Extension Center

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BASF Corporation
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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.

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.

Terry, Carter, and Kevin Murrell – Avon, MS

Methods for 2007 Rice Weed and Pest Management Research

Production practices utilized reflect those commonly used by local growers as much was practicable. 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. The ratings were tabulated and means computed for each weed species having sufficient density and distribution in the experimental area. Rice yield was determined by harvesting the four center rows of each plot.

Data presented in this report are summarized and statistically analyzed with the Agriculture Research Manager software program (v. 7.3.4) by Gylling Data Management, Inc., Brookings, South Dakota.

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Objectives:
To evaluate residual herbicides applied in combination with Newpath at a DPRE or EPOST timing.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 15-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: Adequate **Emergence Date:** 22-May-07
Harvest Date: 2-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 15 FT **Harvested Length, Unit:** 2.66 FT
% Standard Moisture: 12.0

Pest Description

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

Pest 2 Type: W **Code:** ORYSA *Oryza sativa*
Common Name: Red rice

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:** Factorial
% Slope: 0.1 **Soil Drainage:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	13-Jun-07	Aim	2	EC	1.6	FL OZ/A	Y
3.	13-Jun-07	Agri-Dex		L	20	FL OZ/A	Y
4.	18-Jun-07	Urea (46:0:0)	46	GR	375	LB/A	N
5.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
6.	10-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
7.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-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

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood
6.	13-Sep-07	Drain

Application Description

	A	B	C
Application Date:	17-May-07	30-May-07	12-Jun-07
Time of Day:	1:15 pm	9:30 am	8:30 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	DPRE	EPOST	MPOST
Application Placement:	Soil	Foliar	Foliar
Applied By:	JAB	JAB	JAB
Air Temperature, Unit:	80 F	83 F	83 F
% Relative Humidity:	30	55	60
Wind Velocity, Unit:	5 MPH	2 MPH	1 MPH
Wind Direction:	N	W	NW
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	73 F	74 F	76 F
Soil Moisture:	Adequate	Adequate	Mud
% Cloud Cover:	5	25	10

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 leaf	2 tiller
Stage Minimum, Percent:		2 leaf	1 tiller
Stage Maximum, Percent:		2 leaf	2 tiller
Height, Unit:		5 IN	11 IN
Height Minimum, Maximum:		4 5	10 11

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		3 leaf	4 leaf
Stage Minimum, Percent:		3 leaf	4 leaf
Stage Maximum, Percent:		3 leaf	4 leaf
Height, Unit:		2	3 IN
Height Minimum, Maximum:		1 2	2 3
Density, Unit:		6 FT2	1 FT2
Pest 2 Code, Disc., Scale:	ORYSA W	ORYSA W	ORYSA W
Stage Majority, Percent:		2 leaf	4 leaf
Stage Minimum, Percent:		2 leaf	4 leaf
Stage Maximum, Percent:		2 leaf	4 leaf
Height, Unit:		5 IN	7 IN
Height Minimum, Maximum:		4 5	6 8
Density, Unit:		1 FT2	1 FT2
Pest 3 Code, Disc., Scale:	LEFPA W	LEFPA W	LEFPA W
Stage Majority, Percent:		2 leaf	3 leaf
Stage Minimum, Percent:		2 leaf	2 leaf
Stage Maximum, Percent:		2 leaf	4 leaf
Height, Unit:		0.5 IN	2 IN
Height Minimum, Maximum:		0.5 0.5	1 3
Density, Unit:		88 FT2	50 FT2

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	32 PSI	28 PSI	28 PSI
Nozzle Type:	AI	AI	AI
Nozzle Size:	110015VS	110015VS	110015VS
Nozzle Spacing, Unit:	16 in	16 in	16 in
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 in	60 in	60 in
Boom Height, Unit:	18 in	18 in	18 in
Ground Speed, Unit:	4 mph	3 mph	3 mph
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
12-Jun-07	JAB	Both Prowl formulations were better than Command on LEFPA.
26-Jun-07	JAB	Injury was height and stand reduction from LEFPA competition.

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	30-May-07 Rice Injury % 13 0 13 DA-A	12-Jun-07 Rice Injury % 26 0 13 DA-B	26-Jun-07 Rice Injury % 40 14 14 DA-C	10-Jul-07 Rice Injury % 54 28 28 DA-C	ECHCG 30-May-07 Control % 13 0 13 DA-A	ECHCG 12-Jun-07 Control % 26 0 13 DA-B
								1	2	3	4	5	6
1	Nontreated							0 a	0 a	0 a	0 a	0 c	0 e
2	Command	3	ME	1.33	PT/A	DPRE	A	0 a	0 a	0 a	0 a	96 b	94 ab
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
3	Command	3	ME	1.33	PT/A	DPRE	A	0 a	0 a	0 a	0 a	97 ab	94 ab
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
4	Facet	75	DF	0.5	LB/A	DPRE	A	0 a	0 a	0 a	0 a	96 b	89 d
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
5	Facet	75	DF	0.5	LB/A	DPRE	A	0 a	0 a	0 a	0 a	96 b	90 cd
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
6	Clearpath	75	DF	0.5	LB/A	DPRE	A	0 a	0 a	0 a	0 a	95 b	95 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
7	Clearpath	75	DF	0.5	LB/A	DPRE	A	0 a	0 a	0 a	0 a	95 b	94 ab
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
8	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	0 a	0 a	0 a	0 a	96 b	95 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
9	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	0 a	0 a	0 a	0 a	98 a	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
10	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	0 a	0 a	0 a	0 a	97 ab	95 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
11	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	0 a	0 a	0 a	0 a	97 ab	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
12	Command	3	ME	1.33	PT/A	EPOST	B		0 a	0 a	0 a		91 bcd
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
13	Command	3	ME	1.33	PT/A	EPOST	B		0 a	0 a	0 a		91 bcd
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
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
	Pest Code											ECHCG	ECHCG
	Rating Date							30-May-07	12-Jun-07	26-Jun-07	10-Jul-07	30-May-07	12-Jun-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							13 0	26 0	40 14	54 28	13 0	26 0
	Trt-Eval Interval							13 DA-A	13 DA-B	14 DA-C	28 DA-C	13 DA-A	13 DA-B
14	Facet	75	DF	0.5	LB/A	EPOST	B		0 a	0 a	0 a		91 bcd
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
15	Facet	75	DF	0.5	LB/A	EPOST	B		0 a	0 a	0 a		91 bcd
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
16	Clearpath	75	DF	0.5	LB/A	EPOST	B		0 a	0 a	0 a		93 abc
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
17	Clearpath	75	DF	0.5	LB/A	EPOST	B		0 a	0 a	0 a		94 ab
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
18	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B		0 a	0 a	0 a		93 abc
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
19	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B		0 a	0 a	0 a		94 ab
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
20	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B		0 a	0 a	0 a		91 bcd
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
21	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B		0 a	0 a	0 a		93 abc
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	Standard Deviation							0.0	0.0	0.0	0.0	1.0	2.0
	CV							0.0	0.0	0.0	0.0	1.18	2.31

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12
Pest Code								ECHCG	ECHCG	ORYSA	ORYSA	ORYSA	ORYSA
Rating Date								26-Jun-07	10-Jul-07	30-May-07	12-Jun-07	26-Jun-07	10-Jul-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								40 14	54 28	13 0	26 0	40 14	54 28
Trt-Eval Interval								14 DA-C	28 DA-C	13 DA-A	13 DA-B	14 DA-C	28 DA-C
1	Nontreated							0 c	0 f	0 b	0 c	0 e	0 c
2	Command	3	ME	1.33	PT/A	DPRE	A	95 a	98 a	84 a	73 b	91 a-d	95 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
3	Command	3	ME	1.33	PT/A	DPRE	A	95 a	97 ab	88 a	81 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
4	Facet	75	DF	0.5	LB/A	DPRE	A	91 b	95 cd	83 a	78 ab	86 d	94 ab
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
5	Facet	75	DF	0.5	LB/A	DPRE	A	94 ab	96 bc	86 a	80 a	94 ab	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
6	Clearpath	75	DF	0.5	LB/A	DPRE	A	95 a	96 bc	90 a	81 a	94 ab	93 ab
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
7	Clearpath	75	DF	0.5	LB/A	DPRE	A	95 a	97 abc	88 a	79 ab	94 ab	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
8	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	95 a	97 ab	86 a	76 ab	90 a-d	94 ab
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
9	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	95 a	98 a	89 a	79 ab	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
10	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	95 a	98 a	88 a	79 ab	93 abc	96 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
11	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	95 a	98 a	89 a	81 a	94 ab	95 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A						
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
12	Command	3	ME	1.33	PT/A	EPOST	B	91 b	94 de		80 a	89 bcd	91 b
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
13	Command	3	ME	1.33	PT/A	EPOST	B	94 ab	96 bc		84 a	94 ab	94 ab
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12
	Pest Code							ECHCG	ECHCG	ORYSA	ORYSA	ORYSA	ORYSA
	Rating Date							26-Jun-07	10-Jul-07	30-May-07	12-Jun-07	26-Jun-07	10-Jul-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							40 14	54 28	13 0	26 0	40 14	54 28
	Trt-Eval Interval							14 DA-C	28 DA-C	13 DA-A	13 DA-B	14 DA-C	28 DA-C
14	Early Postemergence							91 b	95 cd		80 a	88 cd	91 b
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
15	Early Postemergence							94 ab	95 cd		79 ab	93 abc	93 ab
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
16	Early Postemergence							94 ab	95 cd		80 a	90 a-d	93 ab
	Clearpath	75	DF	0.5	LB/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
17	Early Postemergence							93 ab	93 e		83 a	93 abc	94 ab
	Clearpath	75	DF	0.5	LB/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
18	Early Postemergence							94 ab	96 bc		79 ab	91 a-d	95 a
	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
19	Early Postemergence							94 ab	97 abc		81 a	93 abc	95 a
	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
20	Early Postemergence							91 b	95 cd		78 ab	93 abc	95 a
	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	4	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
21	Early Postemergence							95 a	95 cd		80 a	95 a	93 ab
	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	Standard Deviation							1.7	1.2	5.0	4.3	3.3	2.0
	CV							1.85	1.28	6.34	5.74	3.71	2.29

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	LEFPA 30-May-07 Control % 13 0 13 DA-A	LEFPA 12-Jun-07 Control % 26 0 13 DA-B	LEFPA 26-Jun-07 Control % 40 14 14 DA-C	LEFPA 10-Jul-07 Control % 54 28 28 DA-C	2-Oct-07 Yield bu/A
								13	14	15	16	19
1	Nontreated							0 f	0 h	0 l	0 k	36 g
2	Command	3	ME	1.33	PT/A	DPRE	A	88 bcd	84 ab	79 cde	76 bcd	123 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
3	Command	3	ME	1.33	PT/A	DPRE	A	89 abc	84 ab	83 bcd	80 abc	122 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
4	Facet	75	DF	0.5	LB/A	DPRE	A	79 e	71 cd	60 hi	48 hi	97 bc
	Newpath	2	AS	4	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
5	Facet	75	DF	0.5	LB/A	DPRE	A	81 de	76 bcd	69 e-i	56 fgh	99 b
	Newpath	2	AS	6	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
6	Clearpath	75	DF	0.5	LB/A	DPRE	A	79 e	75 bcd	70 e-h	61 e-h	119 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
7	Clearpath	75	DF	0.5	LB/A	DPRE	A	84 cde	80 bc	71 efg	69 c-f	127 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
8	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	94 ab	94 a	86 abc	86 ab	124 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
9	Prowl EC	3.3	EC	2.42	PT/A	DPRE	A	94 ab	95 a	90 ab	89 ab	123 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
10	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	95 a	95 a	93 ab	93 a	128 a
	Newpath	2	AS	4	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
11	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	94 ab	95 a	94 a	94 a	128 a
	Newpath	2	AS	6	FL OZ/A	DPRE	A					
	Agri-Dex		L	19.2	FL OZ/A	DPRE	A					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
12	Command	3	ME	1.33	PT/A	EPOST	B			j	39 ij	69 def
	Newpath	2	AS	4	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
13	Command	3	ME	1.33	PT/A	EPOST	B		59 e	59 i	64 d-g	134 a
	Newpath	2	AS	6	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					

Mississippi State University - DREC
Newpath Plus Residual Herbicide Rate and Timing Combinations

Trial ID: 07-WS-01
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
Pest Code								LEFPA	LEFPA	LEFPA	LEFPA	
Rating Date								30-May-07	12-Jun-07	26-Jun-07	10-Jul-07	2-Oct-07
Rating Data Type								Control	Control	Control	Control	Yield
Rating Unit								%	%	%	%	bu/A
Days After First/Last Applic.								13 0	26 0	40 14	54 28	
Trt-Eval Interval								13 DA-A	13 DA-B	14 DA-C	28 DA-C	
								13	14	15	16	19
14	Facet	75	DF	0.5	LB/A	EPOST	B		29 g	29 k	25 j	54 fg
	Newpath	2	AS	4	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
15	Facet	75	DF	0.5	LB/A	EPOST	B		36 fg	31 k	29 j	86 bcd
	Newpath	2	AS	6	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
16	Clearpath	75	DF	0.5	LB/A	EPOST	B		36 fg	36 jk	29 j	78 cde
	Newpath	2	AS	4	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
17	Clearpath	75	DF	0.5	LB/A	EPOST	B		46 f	43 j	39 ij	77 cde
	Newpath	2	AS	6	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
18	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B		73 bcd	66 f-i	61 e-h	119 a
	Newpath	2	AS	4	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
19	Prowl EC	3.3	EC	2.42	PT/A	EPOST	B		75 bcd	74 def	71 cde	117 a
	Newpath	2	AS	6	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
20	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B		69 cde	63 ghi	51 ghi	66 ef
	Newpath	2	AS	4	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	4	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
21	Prowl H2O	3.8	CS	2.1	PT/A	EPOST	B		67 de	63 f-i	53 ghi	95 bc
	Newpath	2	AS	6	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
	Newpath	2	AS	6	FL OZ/A	MPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C					
Standard Deviation								4.3	7.1	6.9	9.0	12.5
CV								5.35	10.75	11.21	15.66	12.34

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Objectives:
To evaluate application rates of Prowl H2O for rice tolerance and weed control in a Clearfield rice production system.

Crop Description

Crop 1: ORYSI *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 15-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: Adequate **Emergence Date:** 22-May-07
Harvest Date: 2-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** ORYSA *Oryza sativa*
Common Name: Red rice

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:** Factorial
% Slope: 0.1 **Soil Drainage:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	13-Jun-07	Aim	2	EC	1.5	FL OZ/A	Y
3.	13-Jun-07	Agri-Dex		L	20	FL OZ/A	Y
4.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
5.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
6.	10-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
7.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-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

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood
6.	11-Sep-07	Drain

Application Description

	A	B
Application Date:	23-May-07	12-Jun-07
Time of Day:	7:30 am	8:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	VEPOST	10d PRFLD
Application Placement:	Foliar	Foliar
Applied By:	LCV, JAB	LCV
Air Temperature, Unit:	76 F	83 F
% Relative Humidity:	73	60
Wind Velocity, Unit:	0 MPH	1 MPH
Wind Direction:		N
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	72 F	76 F
Soil Moisture:	Adequate	Mud
% Cloud Cover:	0	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	1 leaf	2 tiller
Stage Minimum, Percent:	1 leaf	1 tiller
Stage Maximum, Percent:	1 leaf	2 tiller
Height, Unit:	3 IN	11 IN
Height Minimum, Maximum:	2 3	10 11

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:		4 leaf
Stage Minimum, Percent:		4 leaf
Stage Maximum, Percent:		4 leaf
Height, Unit:		4 IN
Height Minimum, Maximum:		3 4
Density, Unit:		1 FT2
Pest 2 Code, Disc., Scale:	ORYSA W	ORYSA W
Stage Majority, Percent:		4 leaf
Stage Minimum, Percent:		4 leaf
Stage Maximum, Percent:		4 leaf
Height, Unit:		7 IN
Height Minimum, Maximum:		6 7
Density, Unit:		3 FT2
Pest 3 Code, Disc., Scale:	LEFPA W	LEFPA W
Stage Majority, Percent:	1 leaf	5 leaf
Stage Minimum, Percent:	1 leaf	4 leaf
Stage Maximum, Percent:	1 leaf	4 leaf
Height, Unit:	0.25 IN	3 IN
Height Minimum, Maximum:	0.25 0.25	2 4
Density, Unit:	100 FT2	17 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	31 PSI	28 PSI
Nozzle Type:	DG	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 mph	3 mph
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	6-Jun-07 Rice Injury % 14 14 14 DA-A 1	26-Jun-07 Rice Injury % 34 14 14 DA-B 2	10-Jul-07 Rice Injury % 48 28 28 DA-B 3	7-Aug-07 Rice Injury % 76 56 56 DA-B 4	ECHCG 6-Jun-07 Control % 14 14 14 DA-A 5	ECHCG 26-Jun-07 Control % 34 14 14 DA-B 6
1	Nontreated							0 a	0 a	0 c	0 a	0 d	0 e
2	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	0 a	0 a	9 a	0 a	89 c	84 d
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
3	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	0 a	3 a	10 a	0 a	91 bc	94 ab
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
4	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	95 a	90 c
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
5	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	94 ab	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	1 a	0 a	0 c	0 a	93 ab	90 c
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
7	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	1 a	0 a	0 c	0 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
8	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	94 ab	93 abc
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
9	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	94 ab	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
10	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
11	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	0 a	0 a	0 c	0 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
12	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	3 a	0 a	0 c	0 a	95 a	93 abc
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
13	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	1 a	0 a	0 c	0 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A						
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
14	Newpath	2	AS	6	FL OZ/A	VEPOST	A	0 a	0 a	6 b	0 a	89 c	91 bc
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B						
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B						
	Beyond	1	SL	5	FL OZ/A	PD+14 d	C						
	Agri-Dex		L	19.2	FL OZ/A	PD+14 d	C						
Standard Deviation								1.4	1.3	1.5	0.0	1.8	2.1
CV								313.39	748.33	82.15	0.0	2.13	2.45

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Pest Code								ECHCG	ECHCG	ORYSA	ORYSA	ORYSA	ORYSA	LEFPA
Rating Date								10-Jul-07	7-Aug-07	6-Jun-07	26-Jun-07	10-Jul-07	7-Aug-07	6-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								48 28	76 56	14 14	34 14	48 28	76 56	14 14
Trt-Eval Interval								28 DA-B	56 DA-B	14 DA-A	14 DA-B	28 DA-B	56 DA-B	14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12	13
1	Nontreated							0 c	0 c	0 b	0 d	0 e	0 c	0 c
2	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	63 b	95 a	68 a	71 c	86 d	40 b	64 b
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
3	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	93 a	93 b	65 a	91 a	95 bc	75 a	61 b
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
4	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	65 b	95 a	70 a	75 bc	94 c	40 b	91 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
5	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	90 a	95 a	68 a	93 a	97 abc	81 a	93 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
6	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	55 b	95 a	68 a	74 c	94 c	30 b	94 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
7	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	94 a	95 a	68 a	91 a	97 ab	81 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
8	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	58 b	95 a	66 a	75 bc	95 abc	30 b	93 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
9	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	94 a	95 a	70 a	94 a	97 ab	84 a	93 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
10	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	63 b	95 a	69 a	80 b	97 abc	39 b	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
11	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	95 a	95 a	70 a	95 a	98 a	88 a	94 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
12	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	60 b	95 a	70 a	75 bc	97 abc	34 b	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
13	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	94 a	95 a	70 a	94 a	98 a	80 a	95 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
14	Newpath	2	AS	6	FL OZ/A	VEPOST	A	94 a	95 a	68 a	91 a	95 abc	90 a	64 b
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A							
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B							
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B							
	Beyond	1	SL	5	FL OZ/A	PD+14 d	C							
	Agri-Dex		L	19.2	FL OZ/A	PD+14 d	C							
Standard Deviation								6.3	0.8	3.3	3.4	1.9	9.6	3.8
CV								8.72	0.88	5.21	4.39	2.19	16.92	4.76

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Newpath Plus Prowl H2O Combinations

Trial ID: 07-WS-02
Location: DREC - Red Rice Field

Pest Code								LEFPA	LEFPA	
Rating Date								26-Jun-07	10-Jul-07	2-Oct-07
Rating Data Type								Control	Control	Yield
Rating Unit								%	%	bu/A
Days After First/Last Applic.								34 14	48 28	
Trt-Eval Interval								14 DA-B	28 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15	18
1	Nontreated							0 e	0 e	40 f
2	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	20 d	19 d	58 e
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
3	Prowl H2O	3.8	CS	0	PT/A	VEPOST	A	26 cd	21 d	59 e
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
4	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	81 b	81 c	97 d
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
5	Prowl H2O	3.8	CS	1.58	PT/A	VEPOST	A	86 ab	91 ab	138 ab
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
6	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	81 b	84 bc	103 d
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
7	Prowl H2O	3.8	CS	2.1	PT/A	VEPOST	A	88 ab	93 a	137 ab
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
8	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	86 ab	91 ab	114 cd
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
9	Prowl H2O	3.8	CS	2.63	PT/A	VEPOST	A	91 a	97 a	132 ab
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
10	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	90 a	94 a	122 bc
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
11	Prowl H2O	3.8	CS	3.16	PT/A	VEPOST	A	93 a	98 a	144 a
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
12	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	93 a	97 a	110 cd
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
13	Prowl H2O	3.8	CS	4.2	PT/A	VEPOST	A	93 a	98 a	137 ab
	Newpath	2	AS	6	FL OZ/A	VEPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
14	Newpath	2	AS	6	FL OZ/A	VEPOST	A	28 c	26 d	70 e
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A			
	Newpath	2	AS	6	FL OZ/A	10 d PRFLD	B			
	Agri-Dex		L	19.2	FL OZ/A	10 d PRFLD	B			
	Beyond	1	SL	5	FL OZ/A	PD+14 d	C			
	Agri-Dex		L	19.2	FL OZ/A	PD+14 d	C			
Standard Deviation								4.8	5.3	11.7
CV								6.98	7.5	11.2

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
Location: DREC

Objectives:
To 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:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** 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:** Factorial
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1	PT/A	N
2.	6-Jun-07	Grandstand R	3	SL	12	FL OZ/A	Y
3.	6-Jun-07	Permit	75	DF	0.75	OZ/A	Y
4.	6-Jun-07	Induce		L	0.25	% v/v	Y
5.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C
Application Date:	18-Jun-07	25-Jun-07	2-Jul-07
Time of Day:	7:00 am	7:00 am	7:30 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	7d PTFLD	14d PTFLD	21d PTFLD
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB	LCV	JAB
Air Temperature, Unit:	77 F	81 F	77 F
% Relative Humidity:	73	76	75
Wind Velocity, Unit:	2.5 MPH	0 MPH	0 MPH
Wind Direction:	S		
Dew Presence (Y/N):	Y	Y	Y
Soil Moisture:	Flood	Flood	Flood
% Cloud Cover:	40	0	25

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	3 tiller	1/2" IE	3/4 IE
Stage Minimum, Percent:	2 tiller	1/2" IE	3/4 IE
Stage Maximum, Percent:	3 tiller	1/2" IE	3/4 IE
Height, Unit:	17 IN	22 IN	24 IN
Height Minimum, Maximum:	15 18	20 23	22 25

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:	5 leaf	4 till	Head
Stage Minimum, Percent:	4 leaf	2 till	Head
Stage Maximum, Percent:	6 leaf	5 till	Head
Height, Unit:	11 IN	16 IN	23 IN
Height Minimum, Maximum:	10 12	15 17	20 24
Density, Unit:	3 FT2	3 FT2	2 FT2
Pest 2 Code, Disc., Scale:	LEFPA W	LEFPA W	LEFPA W
Stage Majority, Percent:			Head
Stage Minimum, Percent:			Head
Stage Maximum, Percent:			Head
Height, Unit:			23 IN
Height Minimum, Maximum:			20 24
Density, Unit:			1 FT2

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
Location: DREC

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	24 PSI	24 PSI	24 PSI
Nozzle Type:	TT	TT	TT
Nozzle Size:	11001	11001	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	2 MPH	2 MPH	2 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
26-Jun-07	JAB	Regiment injury was height reduction. Grass pressure was low in reps 1 and 2.
2-Jul-07	JAB	Injury was height reduction.

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	5	6
Pest Code												ECHCG
Rating Date								26-Jun-07	2-Jul-07	9-Jul-07	30-Jul-07	26-Jun-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								8 1	14 0	21 7	42 28	8 1
Trt-Eval Interval								8 DA-A	7 DA-B	7 DA-C	28 DA-C	8 DA-A
1	Command	3	ME	1	PT/A	PRE		0 b	0 c	0 b	0 a	0 c
2	Command	3	ME	1	PT/A	PRE	A	0 b	1 bc	0 b	0 a	80 ab
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	B					
	Agri-Dex		L	1	QT/A	7 d PTFLD	B					
3	Command	3	ME	1	PT/A	PRE	A		0 c	0 b	0 a	
	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	C					
	Agri-Dex		L	1	QT/A	14 d PTFLD	C					
4	Command	3	ME	1	PT/A	PRE	A			0 b	0 a	
	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	D					
	Agri-Dex		L	1	QT/A	21 d PTFLD	D					
5	Command	3	ME	1	PT/A	PRE	A	1 b	0 c	0 b	0 a	73 b
	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	B					
	Agri-Dex		L	1	QT/A	7 d PTFLD	B					
6	Command	3	ME	1	PT/A	PRE	A		1 bc	0 b	0 a	
	Grasp	2	SC	5	FL OZ/A	14 d PTFLD	C					
	Agri-Dex		L	1	QT/A	14 d PTFLD	C					
7	Command	3	ME	1	PT/A	PRE	A			0 b	0 a	
	Grasp	2	SC	5	FL OZ/A	21 d PTFLD	D					
	Agri-Dex		L	1	QT/A	21 d PTFLD	D					
8	Command	3	ME	1	PT/A	PRE	A	0 b	0 c	0 b	0 a	85 a
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	B					
	Agri-Dex		L	1	QT/A	7 d PTFLD	B					
9	Command	3	ME	1	PT/A	PRE	A		0 c	0 b	0 a	
	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	C					
	Agri-Dex		L	1	QT/A	14 d PTFLD	C					
10	Command	3	ME	1	PT/A	PRE	A			0 b	0 a	
	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	D					
	Agri-Dex		L	1	QT/A	21 d PTFLD	D					
11	Command	3	ME	1	PT/A	PRE	A	4 a	2 abc	0 b	0 a	78 ab
	Regiment	80	WP	0.6	OZ/A	7 d PTFLD	B					
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B					
12	Command	3	ME	1	PT/A	PRE	A		3 ab	6 a	0 a	
	Regiment	80	WP	0.6	OZ/A	14 d PTFLD	C					
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C					
13	Command	3	ME	1	PT/A	PRE	A			1 b	0 a	
	Regiment	80	WP	0.6	OZ/A	21 d PTFLD	D					
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D					
14	Command	3	ME	1	PT/A	PRE	A	5 a	2 abc	0 b	0 a	84 a
	Regiment	80	WP	1.2	OZ/A	7 d PTFLD	B					
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B					
15	Command	3	ME	1	PT/A	PRE	A		3 a	9 a	1 a	
	Regiment	80	WP	1.2	OZ/A	14 d PTFLD	C					
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C					
16	Command	3	ME	1	PT/A	PRE	A			0 b	0 a	
	Regiment	80	WP	1.2	OZ/A	21 d PTFLD	D					
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D					
Standard Deviation								1.1	1.4	1.8	0.6	5.0
CV								69.18	142.67	179.06	809.04	7.6

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
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	13
Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	LEFPA	LEFPA	LEFPA
Rating Date								2-Jul-07	9-Jul-07	16-Jul-07	30-Jul-07	2-Jul-07	9-Jul-07	16-Jul-07
Rating Data Type								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
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	Command	3	ME	1	PT/A	PRE	A	0 d	0 f	0 e	0 d	0 e	0 g	0 d
2	Command	3	ME	1	PT/A	PRE	A	84 abc	85 ab	75 bc	83 abc	37 cd	35 def	22 c
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	B							
	Agri-Dex		L	1	QT/A	7 d PTFLD	B							
3	Command	3	ME	1	PT/A	PRE	A	70 c	75 bcd	73 bcd	85 abc	30 d	28 ef	25 c
	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	C							
	Agri-Dex		L	1	QT/A	14 d PTFLD	C							
4	Command	3	ME	1	PT/A	PRE	A		50 e	59 d	68 c		19 fg	23 c
	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	D							
	Agri-Dex		L	1	QT/A	21 d PTFLD	D							
5	Command	3	ME	1	PT/A	PRE	A	89 ab	79 a-d	84 abc	80 abc	46 c	35 def	30 c
	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	B							
	Agri-Dex		L	1	QT/A	7 d PTFLD	B							
6	Command	3	ME	1	PT/A	PRE	A	70 c	79 a-d	84 abc	84 abc	45 cd	45 cde	30 c
	Grasp	2	SC	5	FL OZ/A	14 d PTFLD	C							
	Agri-Dex		L	1	QT/A	14 d PTFLD	C							
7	Command	3	ME	1	PT/A	PRE	A		69 bcd	70 cd	82 abc		52 cd	32 c
	Grasp	2	SC	5	FL OZ/A	21 d PTFLD	D							
	Agri-Dex		L	1	QT/A	21 d PTFLD	D							
8	Command	3	ME	1	PT/A	PRE	A	93 a	88 ab	89 ab	91 ab	91 a	93 a	91 a
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	B							
	Agri-Dex		L	1	QT/A	7 d PTFLD	B							
9	Command	3	ME	1	PT/A	PRE	A	79 abc	80 a-d	79 abc	73 bc	76 b	80 ab	88 a
	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	C							
	Agri-Dex		L	1	QT/A	14 d PTFLD	C							
10	Command	3	ME	1	PT/A	PRE	A		65 cde	80 abc	74 bc		63 bc	81 a
	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	D							
	Agri-Dex		L	1	QT/A	21 d PTFLD	D							
11	Command	3	ME	1	PT/A	PRE	A	91 ab	87 ab	83 abc	91 ab	33 cd	40 def	59 b
	Regiment	80	WP	0.6	OZ/A	7 d PTFLD	B							
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B							
12	Command	3	ME	1	PT/A	PRE	A	75 c	70 bcd	89 ab	88 ab	31 cd	35 def	30 c
	Regiment	80	WP	0.6	OZ/A	14 d PTFLD	C							
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C							
13	Command	3	ME	1	PT/A	PRE	A		63 de	85 abc	94 a		33 def	33 c
	Regiment	80	WP	0.6	OZ/A	21 d PTFLD	D							
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D							
14	Command	3	ME	1	PT/A	PRE	A	91 ab	95 a	94 a	95 a	47 c	45 cde	37 c
	Regiment	80	WP	1.2	OZ/A	7 d PTFLD	B							
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B							
15	Command	3	ME	1	PT/A	PRE	A	78 bc	83 abc	85 abc	91 ab	38 cd	40 def	30 c
	Regiment	80	WP	1.2	OZ/A	14 d PTFLD	C							
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C							
16	Command	3	ME	1	PT/A	PRE	A		73 bcd	81 abc	94 a		33 def	42 c
	Regiment	80	WP	1.2	OZ/A	21 d PTFLD	D							
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D							
Standard Deviation								8.5	11.2	10.0	11.5	9.4	13.1	11.8
CV								11.4	15.67	13.23	14.44	21.91	31.09	29.08

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Postflood Herbicide Applications

Trial ID: 07-WS-03
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	LEFPA 30-Jul-07 Control % 42 28 28 DA-C 14	50% Head DAE 16	18-Sep-07 Yield bu/A 19
1	Command	3	ME	1	PT/A	PRE		0 f	80 a	167 d
2	Command	3	ME	1	PT/A	PRE	A	22 ef	79 a	182 bc
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	B			
	Agri-Dex		L	1	QT/A	7 d PTFLD	B			
3	Command	3	ME	1	PT/A	PRE	A	30 de	79 a	181 bc
	Grasp	2	SC	2.5	FL OZ/A	14 d PTFLD	C			
	Agri-Dex		L	1	QT/A	14 d PTFLD	C			
4	Command	3	ME	1	PT/A	PRE	A	25 de	79 a	174 cd
	Grasp	2	SC	2.5	FL OZ/A	21 d PTFLD	D			
	Agri-Dex		L	1	QT/A	21 d PTFLD	D			
5	Command	3	ME	1	PT/A	PRE	A	32 cde	80 a	188 ab
	Grasp	2	SC	5	FL OZ/A	7 d PTFLD	B			
	Agri-Dex		L	1	QT/A	7 d PTFLD	B			
6	Command	3	ME	1	PT/A	PRE	A	37 cde	80 a	187 ab
	Grasp	2	SC	5	FL OZ/A	14 d PTFLD	C			
	Agri-Dex		L	1	QT/A	14 d PTFLD	C			
7	Command	3	ME	1	PT/A	PRE	A	50 cd	79 a	185 abc
	Grasp	2	SC	5	FL OZ/A	21 d PTFLD	D			
	Agri-Dex		L	1	QT/A	21 d PTFLD	D			
8	Command	3	ME	1	PT/A	PRE	A	93 a	80 a	181 bc
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	B			
	Agri-Dex		L	1	QT/A	7 d PTFLD	B			
9	Command	3	ME	1	PT/A	PRE	A	79 ab	81 a	175 cd
	Clincher SF	2.38	EC	15	FL OZ/A	14 d PTFLD	C			
	Agri-Dex		L	1	QT/A	14 d PTFLD	C			
10	Command	3	ME	1	PT/A	PRE	A	76 ab	81 a	178 bcd
	Clincher SF	2.38	EC	15	FL OZ/A	21 d PTFLD	D			
	Agri-Dex		L	1	QT/A	21 d PTFLD	D			
11	Command	3	ME	1	PT/A	PRE	A	39 cde	80 a	180 bc
	Regiment	80	WP	0.6	OZ/A	7 d PTFLD	B			
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B			
12	Command	3	ME	1	PT/A	PRE	A	35 cde	80 a	180 bc
	Regiment	80	WP	0.6	OZ/A	14 d PTFLD	C			
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C			
13	Command	3	ME	1	PT/A	PRE	A	35 cde	80 a	183 abc
	Regiment	80	WP	0.6	OZ/A	21 d PTFLD	D			
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D			
14	Command	3	ME	1	PT/A	PRE	A	43 cde	80 a	193 a
	Regiment	80	WP	1.2	OZ/A	7 d PTFLD	B			
	Dyne-A-Pak		L	28.8	FL OZ/A	7 d PTFLD	B			
15	Command	3	ME	1	PT/A	PRE	A	43 cde	81 a	176 cd
	Regiment	80	WP	1.2	OZ/A	14 d PTFLD	C			
	Dyne-A-Pak		L	28.8	FL OZ/A	14 d PTFLD	C			
16	Command	3	ME	1	PT/A	PRE	A	58 bc	80 a	181 bc
	Regiment	80	WP	1.2	OZ/A	21 d PTFLD	D			
	Dyne-A-Pak		L	28.8	FL OZ/A	21 d PTFLD	D			
Standard Deviation								16.0	1.1	6.9
CV								36.82	1.39	3.8

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Prowl Application Timing on Clay Soil

Trial ID: 07-WS-04
Location: DREC - Walker

Objectives:
To determine the rice response to Prowl sources (Prowl EC or Prowl H2O) applied at three application timings.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Multiple **Description:** Conventional varieties
BBCH Scale: BRIC **Planting Date:** 1-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 73 F
Soil Moisture: Adequate **Emergence Date:** 9-May-07
Harvest Date: 6-Sep-07 **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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	3-May-07	Command	3	ME	1.07	PT/A	N
2.	28-May-07	SuperWham	4	EC	4	QT/A	Y
3.	28-May-07	Facet	75	DF	0.5	LB/A	Y
4.	28-May-07	Permit	75	DF	0.75	OZ/A	Y
5.	28-May-07	Agri-Dex		L	1	QT/A	Y
6.	1-Jun-07	Urea (46:0:0)	46	GR	350	LB/A	N
7.	1-Jun-07	Karate	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Triple-K, 30-Apr-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	21-May-07	Flush
2.	4-Jun-07	Flood
3.	27-Aug-07	Drain

Mississippi State University - DREC
Prowl Application Timing on Clay Soil

Trial ID: 07-WS-04
Location: DREC - Walker

Application Description

	A	B	C
Application Date:	1-May-07	2-May-07	8-May-07
Time of Day:	7:00 pm	5:00 pm	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	0 DAP	3 DAP	7 DAP
Application Placement:	Soil	Soil	Soil
Applied By:	JAB	LCV	JAB
Air Temperature, Unit:	78 F	82 F	79 F
% Relative Humidity:	74	58	66
Wind Velocity, Unit:	2 MPH	3 MPH	2 MPH
Wind Direction:	SW	SW	NW
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	73 F	74 F	75 F
Soil Moisture:	Adequate	Adequate	Dry
% Cloud Cover:	25	100	10

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	26 PSI	26 PSI
Nozzle Type:	DG	DG	DG
Nozzle Size:	110015VS	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 mph	3 mph	3 mph
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Prowl Application Timing on Clay Soil

Trial ID: 07-WS-04
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Rice 16-May-07 Density Pl/sq ft 15 8 15 DA-A 4	Rice 50% Head DAE 6	Rice 6-Sep-07 Yield bu/A 9
1	Cocodire						A			
	Prowl EC	3.3	EC	2.42	PT/A	0 DAP	A	27 a	81 e	239 c-g
	0 DAP						A			
2	Cocodire						B			
	Prowl EC	3.3	EC	2.42	PT/A	3 DAP	B	25 a	81 e	232 fgh
	3 DAP						B			
3	Cocodire						C			
	Prowl EC	3.3	EC	2.42	PT/A	7 DAP	C	25 a	82 e	232 e-h
	7 DAP						C			
4	Cocodire						A			
	Prowl H2O	3.8	CS	2.1	PT/A	0 DAP	A	24 a	81 e	238 d-g
	0 DAP						A			
5	Cocodire						B			
	Prowl H2O	3.8	CS	2.1	PT/A	3 DAP	B	29 a	81 e	223 hij
	3 DAP						B			
6	Cocodire						C			
	Prowl H2O	3.8	CS	2.1	PT/A	7 DAP	C	23 a	81 e	230 fgh
	7 DAP						C			
7	Wells						A			
	Prowl EC	3.3	EC	2.42	PT/A	0 DAP	A	26 a	85 c	252 ab
	0 DAP						A			
8	Wells						B			
	Prowl EC	3.3	EC	2.42	PT/A	3 DAP	B	28 a	84 d	251 abc
	3 DAP						B			
9	Wells						C			
	Prowl EC	3.3	EC	2.42	PT/A	7 DAP	C	25 a	84 d	257 a
	7 DAP						C			
10	Wells						A			
	Prowl H2O	3.8	CS	2.1	PT/A	0 DAP	A	27 a	84 d	241 b-f
	0 DAP						A			
11	Wells						B			
	Prowl H2O	3.8	CS	2.1	PT/A	3 DAP	B	24 a	83 d	244 b-e
	3 DAP						B			
12	Wells						C			
	Prowl H2O	3.8	CS	2.1	PT/A	7 DAP	C	28 a	83 d	238 d-g
	7 DAP						C			
13	Lemont						A			
	Prowl EC	3.3	EC	2.42	PT/A	0 DAP	A	26 a	87 ab	221 hij
	0 DAP						A			
14	Lemont						B			
	Prowl EC	3.3	EC	2.42	PT/A	3 DAP	B	25 a	87 ab	211 jk
	3 DAP						B			
15	Lemont						C			
	Prowl EC	3.3	EC	2.42	PT/A	7 DAP	C	26 a	88 a	216 ijk
	7 DAP						C			
16	Lemont						A			
	Prowl H2O	3.8	CS	2.1	PT/A	0 DAP	A	26 a	87 ab	207 k
	0 DAP						A			
17	Lemont						B			
	Prowl H2O	3.8	CS	2.1	PT/A	3 DAP	B	23 a	87 ab	216 ijk
	3 DAP						B			
18	Lemont						C			
	Prowl H2O	3.8	CS	2.1	PT/A	7 DAP	C	27 a	87 ab	208 k
	7 DAP						C			
19	Cocodrie - NTC							25 a	81 e	228 ghi
20	Wells - NTC							27 a	84 d	247 a-d
21	Lemont -NTC							24 a	87 b	204 k
Standard Deviation								2.7	0.6	7.8
CV								10.47	0.74	3.39

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 07-WS-07
Location: DREC

Objectives:
To 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:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 17-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	8-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	8-Jun-07	Facet	75	DF	0.5	LB/A	Y
4.	8-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	8-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	8-Jun-07	Urea (46:0:0)	46	GR	375	LB/A	N
7.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 07-WS-07
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C
Application Date:	6-Jul-07	12-Jul-07	20-Jul-07
Time of Day:	7:00 am	9:30 am	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	1" IE	2" IE	3" IE
Application Placement:	Foliar	Foliar	Foliar
Applied By:	LCV, JAB	LCV	LCV, JAB
Air Temperature, Unit:	78 F	83 F	76 F
% Relative Humidity:	76	75	73
Wind Velocity, Unit:	0 MPH	0 MPH	2 MPH
Dew Presence (Y/N):	Y	Y	Y
Soil Moisture:	Flood	Flood	Flood
% Cloud Cover:	100	75	25

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:	30 IN	35 IN	36 IN
Height Minimum, Maximum:	28 32	35 35	36 36

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	24 PSI	24 PSI	26 PSI
Nozzle Type:	TT	TT	TT
Nozzle Size:	11001	11001	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	2 MPH	2 MPH	2 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
13-Jul-07	JAB	No visible injury symptoms. Possible minor height reduction following higher rate, but this was not obvious.
3-Aug-07	JAB	No visible injury symptoms. Panicles were emerging from side of sheath following later applications.

Mississippi State University - DREC
Rice Tolerance to Midseason Regiment Applications

Trial ID: 07-WS-07
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Rice 13-Jul-07 Injury % 7 1 7 DA-A 1	Rice 20-Jul-07 Injury % 14 0 8 DA-B 2	Rice 28-Jul-07 Injury % 22 8 8 DA-C 3	Rice 3-Aug-07 Injury % 28 14 14 DA-C 4	Rice 17-Aug-07 Injury % 42 28 28 DA-C 5	Rice 50% Head DAE 7
1	Nontreated							0 a	0 a	0 a	0 a	0 a	81 a
2	1-inch Internode elongation						A	0 a	0 a	0 a	0 a	0 a	81 a
	Regiment	80	WP	0.5	OZ PR/A	1-inch IE	A						
	Dyne-A-Pak		L	28.8	FL OZ/A	1-inch IE	A						
3	1-inch Internode elongation						A	0 a	0 a	0 a	0 a	0 a	80 a
	Regiment	80	WP	1.0	OZ PR/A	1-inch IE	A						
	Dyne-A-Pak		L	28.8	FL OZ/A	1-inch IE	A						
4	2-inch internode elongation						B		0 a	0 a	0 a	0 a	81 a
	Regiment	80	WP	0.5	OZ PR/A	2-inch IE	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	2-inch IE	B						
5	2-inch internode elongation						B		0 a	0 a	0 a	0 a	81 a
	Regiment	80	WP	1.0	OZ PR/A	2-inch IE	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	2-inch IE	B						
6	3-inch internode elongation						C			0 a	0 a	0 a	80 a
	Regiment	80	WP	0.5	OZ PR/A	3-inch IE	C						
	Dyne-A-Pak		L	28.8	FL OZ/A	3-inch IE	C						
7	3-inch internode elongation						C			0 a	0 a	0 a	81 a
	Regiment	80	WP	1.0	OZ PR/A	3-inch IE	C						
	Dyne-A-Pak		L	28.8	FL OZ/A	3-inch IE	C						
Standard Deviation								0.0	0.0	0.0	0.0	0.0	0.9
CV								0.0	0.0	0.0	0.0	0.0	1.14

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Rice 17-Sep-07 Height cm 8	Rice 18-Sep-07 Yield bu/A 11	Rice 26-Sep-07 Total Mill % 12	Rice 26-Sep-07 Whole Mill % 13
1	Nontreated							102 a	193 a	70 a	61 a
2	1-inch Internode elongation						A	102 a	210 a	70 a	61 a
	Regiment	80	WP	0.5	OZ PR/A	1-inch IE	A				
	Dyne-A-Pak		L	28.8	FL OZ/A	1-inch IE	A				
3	1-inch Internode elongation						A	102 a	205 a	69 a	60 a
	Regiment	80	WP	1.0	OZ PR/A	1-inch IE	A				
	Dyne-A-Pak		L	28.8	FL OZ/A	1-inch IE	A				
4	2-inch internode elongation						B	100 a	212 a	69 a	60 a
	Regiment	80	WP	0.5	OZ PR/A	2-inch IE	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	2-inch IE	B				
5	2-inch internode elongation						B	99 a	199 a	69 a	60 a
	Regiment	80	WP	1.0	OZ PR/A	2-inch IE	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	2-inch IE	B				
6	3-inch internode elongation						C	102 a	197 a	70 a	61 a
	Regiment	80	WP	0.5	OZ PR/A	3-inch IE	C				
	Dyne-A-Pak		L	28.8	FL OZ/A	3-inch IE	C				
7	3-inch internode elongation						C	101 a	204 a	70 a	60 a
	Regiment	80	WP	1.0	OZ PR/A	3-inch IE	C				
	Dyne-A-Pak		L	28.8	FL OZ/A	3-inch IE	C				
Standard Deviation								2.1	9.2	0.6	1.1
CV								2.12	4.52	0.87	1.77

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
Location: DREC

Objectives:
To determine the most effective application rate and timing of DPX-KF081 for control of broadleaf weed species.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Equipment: NA

Pest Description

Pest 1 Type: W **Code:** SEBEX *Sesbania exaltata*
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:** 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.	10-May-07	Command	3	ME	1.33	PT/A	Y
2.	10-May-07	Agri-Dex		L	1	QT/A	Y
3.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
4.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
5.	13-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
6.	13-Jun-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C
Application Date:	24-May-07	5-Jun-07	15-Jun-07
Time of Day:	9:00 am	2:00 pm	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	LPOST	7d PTFLD
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB, LCV	LCV	JAB
Air Temperature, Unit:	78 F	94 F	77 F
% Relative Humidity:	63	64	76
Wind Velocity, Unit:	5 MPH	4 MPH	0 MPH
Wind Direction:	E	W	
Dew Presence (Y/N):	N	N	Y
Soil Temperature, Unit:	72 F	77 F	
Soil Moisture:	Mud	Adequate	Flood
% Cloud Cover:	0	15	0

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	1 tiller	4 tiller
Stage Minimum, Percent:	2 leaf	1 tiller	3 tiller
Stage Maximum, Percent:	2 leaf	1 tiller	4 tiller
Height, Unit:	5 IN	8.5 IN	14 IN
Height Minimum, Maximum:	4 5	8 9	12 15

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
Location: DREC

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:	2 leaf	5 leaf	9 leaf
Stage Minimum, Percent:	2 leaf	4 leaf	8 leaf
Stage Maximum, Percent:	2 leaf	5 leaf	9 leaf
Height, Unit:	2 IN	5 IN	14 IN
Height Minimum, Maximum:	1 2	4 6	12 16
Density, Unit:	10 FT2	9 FT2	9 FT2
Pest 2 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		4 leaf	8 leaf
Stage Minimum, Percent:		4 leaf	7 leaf
Stage Maximum, Percent:		4 leaf	8 leaf
Height, Unit:		4 IN	7 IN
Height Minimum, Maximum:		3 4	6 8
Density, Unit:		1 FT2	1 FT2
Pest 3 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:	1 leaf	4 leaf	8 leaf
Stage Minimum, Percent:	1 leaf	4 leaf	7 leaf
Stage Maximum, Percent:	1 leaf	4 leaf	8 leaf
Height, Unit:	2 IN	4 IN	7 IN
Height Minimum, Maximum:	1 2	3 4	6 8
Density, Unit:	0.5 FT2	1 FT2	1 FT2

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	31 PSI	28 PSI	22 PSI
Nozzle Type:	AI	AI	TT
Nozzle Size:	11005VS	11005VS	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3 MPH	2 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
31-May-07	JAB	DPX-KF081 did not work well. Very poor on IPOLA and IPOHE.
12-Jun-07	JAB	Control with DPX-KF081 was very poor. Very little rice injury. Most IPOLA and IPOHE were submerged at this evaluation.
22-Jun-07	JAB	Some IPOLA and IPOHE died due to flood. SEBEX was beginning to regrow following PTFLD treatments. Coverage problems on IPOLA and IPOHE due to SEBEX and rice.
13-Jul-07	JAB	Where control was equal from early and late treatments, SEBEX density was less following early treatments and SEBEX height was less following late treatments.

Date	By	Deviations
18-Sep-07	JAB	Unable to harvest trial.

Reasons: Plots were overgrown with SEBEX.

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-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
	Pest Code												
	Rating Date							31-May-07	5-Jun-07	12-Jun-07	22-Jun-07	29-Jun-07	13-Jul-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							7 7	12 0	19 7	29 7	36 14	50 28
	Trt-Eval Interval							7 DA-A	12 DA-A	7 DA-B	7 DA-C	14 DA-C	28 DA-C
1	Nontreated							0 c	0 c	0 a	0 e	0 d	0 a
2	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	13 a	7 a	2 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
3	DPX-KF081	10	WP	12.3	OZ/A	EPOST	A	6 b	4 b	0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
4	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	6 b	3 bc	0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
5	DPX-KF081	10	WP	7.04	OZ/A	EPOST	A	5 bc	0 c	0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
6	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	3 bc	0 c	0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
7	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B			1 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
8	DPX-KF081	10	WP	12.3	OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
9	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B			1 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
10	DPX-KF081	10	WP	7.04	OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
11	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
12	DPX-KF081	10	WP	18.4	OZ/A	7 d PTFLD	C				13 a	2 cd	0 a
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
13	DPX-KF081	10	WP	12.3	OZ/A	7 d PTFLD	C				11 b	4 ab	0 a
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
14	DPX-KF081	10	WP	9.2	OZ/A	7 d PTFLD	C				10 c	5 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
15	DPX-KF081	10	WP	7.04	OZ/A	7 d PTFLD	C				8 c	3 bc	0 a
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
16	DPX-KF081	10	WP	4.6	OZ/A	7 d PTFLD	C				5 d	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C						
17	Ultra Blazer	2	L	8	FL OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Induce		L	4.8	FL OZ/A	LPOST	B						
18	Permit	75	WG	0.75	OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Induce		L	4.8	FL OZ/A	LPOST	B						
19	Aim	2	EC	1.6	FL OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Induce		L	4.8	FL OZ/A	LPOST	B						
20	Grandstand R	3	SL	16	FL OZ/A	LPOST	B			0 a	0 e	0 d	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	Standard Deviation							3.7	1.9	1.0	1.1	1.0	0.0
	CV							67.41	85.89	371.56	46.07	159.84	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
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	13
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA
Rating Date								31-May-07	5-Jun-07	12-Jun-07	22-Jun-07	29-Jun-07	13-Jul-07	31-May-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	12 0	19 7	29 7	36 14	50 28	7 7
Trt-Eval Interval								7 DA-A	12 DA-A	7 DA-B	7 DA-C	14 DA-C	28 DA-C	7 DA-A
1	Nontreated							0 d	0 e	0 j	0 i	0 j	0 i	0 e
2	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	84 a	80 a	76 bc	71 b	66 bc	60 c	69 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	DPX-KF081	10	WP	12.3	OZ/A	EPOST	A	73 b	74 ab	61 de	44 def	44 ef	39 def	64 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
4	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	70 b	65 bc	48 efg	39 efg	35 fgh	26 efg	53 bc
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
5	DPX-KF081	10	WP	7.04	OZ/A	EPOST	A	68 b	64 c	38 gh	36 fg	35 fgh	24 fg	40 cd
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
6	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	55 c	49 d	43 fg	33 fg	26 ghi	20 gh	31 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
7	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B			51 efg	55 cd	46 def	41 de	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
8	DPX-KF081	10	WP	12.3	OZ/A	LPOST	B			53 ef	35 fg	26 ghi	24 fg	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
9	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B			49 efg	26 gh	23 hi	20 gh	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
10	DPX-KF081	10	WP	7.04	OZ/A	LPOST	B			26 hi	16 h	14 ij	3 i	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
11	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B			15 i	13 hi	11 ij	5 hi	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
12	DPX-KF081	10	WP	18.4	OZ/A	7 d PTFLD	C				67 bc	54 cde	42 de	
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
13	DPX-KF081	10	WP	12.3	OZ/A	7 d PTFLD	C				64 bc	59 bcd	44 d	
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
14	DPX-KF081	10	WP	9.2	OZ/A	7 d PTFLD	C				54 cde	45 def	33 d-g	
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
15	DPX-KF081	10	WP	7.04	OZ/A	7 d PTFLD	C				44 def	41 efg	33 d-g	
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
16	DPX-KF081	10	WP	4.6	OZ/A	7 d PTFLD	C				33 fg	26 ghi	20 gh	
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
17	Ultra Blazer	2	L	8	FL OZ/A	LPOST	B			83 ab	89 a	86 a	81 b	
	Induce		L	4.8	FL OZ/A	LPOST	B							
18	Permit	75	WG	0.75	OZ/A	LPOST	B			68 cd	91 a	97 a	99 a	
	Induce		L	4.8	FL OZ/A	LPOST	B							
19	Aim	2	EC	1.6	FL OZ/A	LPOST	B			93 a	99 a	97 a	97 a	
	Induce		L	4.8	FL OZ/A	LPOST	B							
20	Grandstand R	3	SL	16	FL OZ/A	LPOST	B			58 de	68 bc	70 b	70 bc	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
Standard Deviation								6.6	6.0	9.2	9.8	9.4	10.4	10.0
CV								11.39	10.92	18.15	20.1	20.8	26.64	23.46

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
Location: DREC

Pest Code								IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE	IPOHE
Rating Date								5-Jun-07	12-Jun-07	22-Jun-07	29-Jun-07	13-Jul-07	31-May-07	5-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								12 0	19 7	29 7	36 14	50 28	7 7	12 0
Trt-Eval Interval								12 DA-A	7 DA-B	7 DA-C	14 DA-C	28 DA-C	7 DA-A	12 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15	16	17	18	19	20
1	Nontreated							0 d	0 i	0 j	0 f	0 e	0 e	0 d
2	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	66 a	65 bc	59 b	45 b	90 d	73 a	68 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	DPX-KF081	10	WP	12.3	OZ/A	EPOST	A	64 a	48 de	48 bcd	25 cd	90 d	66 ab	64 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
4	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	48 b	35 efg	33 efg	21 de	90 d	53 bc	49 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
5	DPX-KF081	10	WP	7.04	OZ/A	EPOST	A	36 c	28 fg	25 fgh	25 cd	90 d	39 cd	41 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
6	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	29 c	20 gh	19 ghi	14 de	90 d	31 d	31 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
7	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B		39 ef	35 def	21 de	90 d		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
8	DPX-KF081	10	WP	12.3	OZ/A	LPOST	B		45 de	30 e-h	18 de	90 d		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
9	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B		43 ef	20 f-i	14 de	90 d		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
10	DPX-KF081	10	WP	7.04	OZ/A	LPOST	B		21 gh	16 hi	15 de	90 d		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
11	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B		11 hi	10 ij	10 ef	90 d		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
12	DPX-KF081	10	WP	18.4	OZ/A	7 d PTFLD	C			52 bc	37 b	90 d		
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
13	DPX-KF081	10	WP	12.3	OZ/A	7 d PTFLD	C			44 cde	35 bc	90 d		
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
14	DPX-KF081	10	WP	9.2	OZ/A	7 d PTFLD	C			43 cde	25 cd	90 d		
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
15	DPX-KF081	10	WP	7.04	OZ/A	7 d PTFLD	C			28 fgh	19 de	90 d		
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
16	DPX-KF081	10	WP	4.6	OZ/A	7 d PTFLD	C			20 f-i	13 e	90 d		
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C							
17	Ultra Blazer	2	L	8	FL OZ/A	LPOST	B		80 ab	96 a	95 a	95 b		
	Induce		L	4.8	FL OZ/A	LPOST	B							
18	Permit	75	WG	0.75	OZ/A	LPOST	B		59 cd	93 a	98 a	99 a		
	Induce		L	4.8	FL OZ/A	LPOST	B							
19	Aim	2	EC	1.6	FL OZ/A	LPOST	B		94 a	99 a	99 a	99 a		
	Induce		L	4.8	FL OZ/A	LPOST	B							
20	Grandstand R	3	SL	16	FL OZ/A	LPOST	B		65 bc	91 a	94 a	94 c		
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
Standard Deviation								7.1	10.4	9.3	7.1	0.6	9.6	6.5
CV								17.64	23.98	21.72	19.61	0.65	22.08	15.39

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Postemergence Applications of DPX-KF081

Trial ID: 07-WS-08
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21	22	23	24
Pest Code								IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								12-Jun-07	22-Jun-07	29-Jun-07	13-Jul-07
Rating Data Type								Control	Control	Control	Control
Rating Unit								%	%	%	%
Days After First/Last Applic.								19 7	29 7	36 14	50 28
Trt-Eval Interval								7 DA-B	7 DA-C	14 DA-C	28 DA-C
1	Nontreated							0 h	0 h	0 f	0 e
2	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	65 b	61 b	45 b	91 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A				
3	DPX-KF081	10	WP	12.3	OZ/A	EPOST	A	48 cd	43 cd	25 cd	90 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A				
4	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	31 def	28 d-g	21 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A				
5	DPX-KF081	10	WP	7.04	OZ/A	EPOST	A	28 ef	26 d-g	25 cd	90 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A				
6	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	20 fg	20 fg	15 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A				
7	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B	39 de	39 cde	21 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
8	DPX-KF081	10	WP	12.3	OZ/A	LPOST	B	45 cd	35 c-f	18 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
9	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B	43 de	20 fg	14 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
10	DPX-KF081	10	WP	7.04	OZ/A	LPOST	B	19 fg	21 efg	15 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
11	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B	10 gh	11 gh	13 e	90 d
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
12	DPX-KF081	10	WP	18.4	OZ/A	7 d PTFLD	C		52 bc	37 b	90 d
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C				
13	DPX-KF081	10	WP	12.3	OZ/A	7 d PTFLD	C		44 cd	35 bc	90 d
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C				
14	DPX-KF081	10	WP	9.2	OZ/A	7 d PTFLD	C		43 cd	25 cd	90 d
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C				
15	DPX-KF081	10	WP	7.04	OZ/A	7 d PTFLD	C		28 d-g	19 de	90 d
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C				
16	DPX-KF081	10	WP	4.6	OZ/A	7 d PTFLD	C		20 fg	13 e	90 d
	Agri-Dex		L	19.2	FL OZ/A	7 d PTFLD	C				
17	Ultra Blazer	2	L	8	FL OZ/A	LPOST	B	85 a	96 a	95 a	95 b
	Induce		L	4.8	FL OZ/A	LPOST	B				
18	Permit	75	WG	0.75	OZ/A	LPOST	B	60 bc	96 a	98 a	99 a
	Induce		L	4.8	FL OZ/A	LPOST	B				
19	Aim	2	EC	1.6	FL OZ/A	LPOST	B	94 a	99 a	99 a	99 a
	Induce		L	4.8	FL OZ/A	LPOST	B				
20	Grandstand R	3	SL	16	FL OZ/A	LPOST	B	65 b	91 a	94 a	94 c
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B				
Standard Deviation								10.6	11.1	7.3	0.8
CV								24.46	25.39	19.99	0.91

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to DPX-KF081 Applications

Trial ID: 07-WS-09
Location: DREC

Objectives:
To determine the rice response to different application rates and timings of DPX-KF081.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 19-Sep-07 **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.	10-May-07	Command	3	ME	1.33	PT/A	Y
2.	10-May-07	Agri-Dex		L	1	QT/A	Y
3.	6-Jun-07	Grandstand R	3	SL	12	FL OZ/A	Y
4.	6-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	6-Jun-07	Induce		L	0.25	% v/v	Y
6.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
7.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Rice Tolerance to DPX-KF081 Applications

Trial ID: 07-WS-09
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B
Application Date:	24-May-07	5-Jun-07
Time of Day:	8:30 am	2:30 pm
Application Method:	Broadcast	Broadcast
Application Timing:	EPSOT	LPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV	LCV
Air Temperature, Unit:	78 F	94 F
% Relative Humidity:	63	64
Wind Velocity, Unit:	5 MPH	4 MPH
Wind Direction:	SE	W
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	72 F	77 F
Soil Moisture:	Mud	Adequate
% Cloud Cover:	0	15

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	1 tiller
Stage Minimum, Percent:	2 leaf	1 tiller
Stage Maximum, Percent:	2 leaf	1 tiller
Height, Unit:	5 IN	9 In
Height Minimum, Maximum:	4 5	8 9

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	31 PSI	28 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3 MOH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Mississippi State University - DREC
Rice Tolerance to DPX-KF081 Applications

Trial ID: 07-WS-09
Location: DREC

Crop Name								Rice	Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								31-May-07	5-Jun-07	12-Jun-07	19-Jun-07	3-Jul-07		19-Sep-07
Rating Data Type								Injury	Injury	Injury	Injury	Injury	50% Head	Yield
Rating Unit								%	%	%	%	%	DAE	bu/A
Days After First/Last Applic.								7 7	12 0	19 7	26 14	40 28		
Trt-Eval Interval								7 DA-A	12 DA-A	7 DA-B	14 DA-B	28 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	7	10
1	Nontreated							0 e	0 e	0 f	0 d	0 a	82 a	185 a
2	DPX-KF081	10	WP	36.8	OZ/A	EPOST	A	24 a	13 a	7 ab	4 b	0 a	83 a	195 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	11 cd	5 b	3 cde	1 cd	0 a	82 a	181 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
4	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	9 d	4 bcd	1 ef	0 d	0 a	82 a	189 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
5	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	8 d	2 cde	0 f	0 d	0 a	82 a	189 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
6	DPX-KF081	10	WP	36.8	OZ/A	LPOST	B			6 bc	2 cd	0 a	83 a	197 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
7	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B			7 ab	0 d	0 a	83 a	200 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
8	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B	0 e		2 def	1 cd	0 a	82 a	184 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
9	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B			0 f	0 d	0 a	82 a	185 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
10	DPX-KF081	10	WP	36.8	OZ/A	EPOST	A	19 b	11 a	9 a	5 a	0 a	83 a	180 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	DPX-KF081	10	WP	36.8	OZ/A	LPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
11	DPX-KF081	10	WP	18.4	OZ/A	EPOST	A	10 d	5 bc	5 bcd	2 cd	0 a	82 a	186 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	DPX-KF081	10	WP	18.4	OZ/A	LPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
12	DPX-KF081	10	WP	9.2	OZ/A	EPOST	A	15 bc	2 de	5 bcd	2 bc	0 a	83 a	198 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	DPX-KF081	10	WP	9.2	OZ/A	LPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
13	DPX-KF081	10	WP	4.6	OZ/A	EPOST	A	8 d	2 de	0 f	0 d	0 a	82 a	195 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	DPX-KF081	10	WP	4.6	OZ/A	LPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
Standard Deviation								2.6	1.8	2.0	1.2	0.0	0.6	11.5
CV								25.32	38.51	56.3	96.61	0.0	0.73	6.09

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 07-WS-11
Location: DREC

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

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Multiple **Description:** Conventional and Clearfield
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	8-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	8-Jun-07	Permit	75	DF	0.75	OZ/A	Y
4.	8-Jun-07	Agri-Dex		L	1	QT/A	Y
5.	8-Jun-07	Urea (46:0:0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 07-WS-11
Location: DREC

Application Description

	A	B
Application Date:	26-Jun-07	11-Jul-07
Time of Day:	7:30 am	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	1/2" IE	2 WAA
Application Placement:	Foliar	Foliar
Applied By:	JAB	LCV, JAB
Air Temperature, Unit:	83 F	78 F
% Relative Humidity:	78	75
Wind Velocity, Unit:	0 MPH	2 MPH
Wind Direction:		W
Dew Presence (Y/N):	Y	Y
Soil Moisture:	Flood	Flood
% Cloud Cover:	10	60

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	1/2" IE	1.5" IE
Stage Minimum, Percent:	1/2" IE	1.5" IE
Stage Maximum, Percent:	1/2" IE	1.5" IE
Height, Unit:	21 IN	31 IN
Height Minimum, Maximum:	18 24	28 33

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	25 PSI	25 PSI
Nozzle Type:	TT	
Nozzle Size:	11001	11001VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	2 MPH	2 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
3-Jul-07	JAB	No injury symptoms were observed except on XL723. There was some rooting from stem on XL723.
10-Jul-07	JAB	Some rooting from stems was detected. This was observed in nontreated plots also, but appeared slightly worse in treated plots, particularly on XL723. However, still no injury symptoms without removing plants
18-Jul-07	JAB	No injury symptoms observed.
7-Aug-07	JAB	Heading appeared delayed for most cultivars.

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 07-WS-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	7
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							3-Jul-07	10-Jul-07	18-Jul-07	28-Jul-07	7-Aug-07	
	Rating Data Type							Injury	Injury	Injury	Injury	Injury	50% Head
	Rating Unit							%	%	%	%	%	DAE
	Days After First/Last Applic.							7 7	14 14	22 7	32 17	42 27	
	Trt-Eval Interval							7 DA-A	14 DA-A	7 DA-B	17 DA-B	27 DA-B	
1	Cocodrie							0 a	0 a	0 a	0 a	0 a	81 gh
	Nontreated												
2	Cocodrie							0 a	0 a	0 a	0 a	0 a	82 g
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
3	Cocodrie									0 a	0 a	0 a	82 g
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
4	Wells							0 a	0 a	0 a	0 a	0 a	85 ef
	Nontreated												
5	Wells							0 a	0 a	0 a	0 a	0 a	87 bc
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
6	Wells									0 a	0 a	0 a	87 bcd
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
7	XL723							0 a	0 a	0 a	0 a	0 a	78 i
	Nontreated												
8	XL723							0 a	0 a	0 a	0 a	0 a	80 h
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
9	XL723									0 a	0 a	0 a	79 i
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
10	CL161							0 a	0 a	0 a	0 a	0 a	87 ab
	Nontreated												
11	CL161							0 a	0 a	0 a	0 a	0 a	88 a
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
12	CL161									0 a	0 a	0 a	88 a
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
13	Cheniere							0 a	0 a	0 a	0 a	0 a	83 f
	Nontreated												
14	Cheniere							0 a	0 a	0 a	0 a	0 a	85 de
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
15	Cheniere									0 a	0 a	0 a	86 b-e
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
16	Bowman (MS 4191)							0 a	0 a	0 a	0 a	0 a	84 f
	Nontreated												
17	Bowman							0 a	0 a	0 a	0 a	0 a	85 de
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A						
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A						
18	Bowman									0 a	0 a	0 a	86 cde
	Facet	75	DF	0.67	LB/A	2 WAA	B						
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B						
	Standard Deviation							0.0	0.0	0.0	0.0	0.0	0.9
	CV							0.0	0.0	0.0	0.0	0.0	1.06

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Response to Postflood Facet Applications

Trial ID: 07-WS-11
Location: DREC

Crop Name								Rice	Rice	Rice	Rice
Rating Date								17-Sep-07	18-Sep-07	1-Oct-07	1-Oct-07
Rating Data Type								Height	Yield	Total Mill	Whole Mill
Rating Unit								cm	bu/A	%	%
Days After First/Last Applic.											
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	11	12	13
1	Cocodrie							103 bcd	179 bc	70 ab	61 a-d
	Nontreated										
2	Cocodrie							102 bcd	164 cd	70 ab	62 ab
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
3	Cocodrie							99 cd	156 de	70 ab	63 ab
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
4	Wells							107 b	148 ef	70 a	61 a-e
	Nontreated										
5	Wells							105 bc	135 fg	70 ab	63 a
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
6	Wells							109 b	133 g	70 ab	61 a-e
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
7	XL723							119 a	211 a	70 a	56 h
	Nontreated										
8	XL723							119 a	189 b	70 a	59 d-g
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
9	XL723							118 a	164 cd	70 ab	60 b-f
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
10	CL161							104 bcd	133 g	69 bc	62 abc
	Nontreated										
11	CL161							105 bc	132 g	70 ab	63 ab
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
12	CL161							104 bcd	113 h	70 ab	61 a-e
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
13	Cheniere							98 d	177 bc	70 ab	59 e-h
	Nontreated										
14	Cheniere							99 cd	173 c	70 a	61 a-e
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
15	Cheniere							104 bcd	137 fg	70 ab	60 b-f
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
16	Bowman (MS 4191)							106 bc	175 bc	69 abc	58 fgh
	Nontreated										
17	Bowman							105 bc	177 bc	68 c	57 gh
	Facet	75	DF	0.67	LB/A	0.5-inch IE	A				
	Agri-Dex		L	19.2	FL OZ/A	0.5-inch IE	A				
18	Bowman							105 bc	157 de	69 abc	59 c-g
	Facet	75	DF	0.67	LB/A	2 WAA	B				
	Agri-Dex		L	19.2	FL OZ/A	2 WAA	B				
Standard Deviation								3.5	9.7	0.6	1.4
CV								3.27	6.12	0.89	2.24

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-12
Location: DREC

Objectives:
To determine the impact of Command and Prowl applications on the number of days to flood in rice.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Multiple **Description:** Conventional cultivars
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 19-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	8-Jun-07	SuperWham	4	EC	4	QT/A	Y
2.	8-Jun-07	Facet	75	DF	0.5	LB/A	Y
3.	8-Jun-07	Permit	75	DF	0.75	OZ/A	Y
4.	8-Jun-07	Agri-Dex		L	1	QT/A	Y
5.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

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

Trial ID: 07-WS-12
Location: DREC

Application Description

	A	B
Application Date:	10-May-07	25-May-07
Time of Day:	2:00 pm	8:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	DPRE	EPOST
Application Placement:	Soil	Soil
Applied By:	JAB	JAB, LCV
Air Temperature, Unit:	82 F	82 F
% Relative Humidity:	68	77
Wind Velocity, Unit:	2 MPH	0 MPH
Wind Direction:	E	
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	75 F	74 F
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	75	0

Crop Stage At Each Application

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

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	Hand
Operating Pressure, Unit:	26 PSI	
Nozzle Type:	AI	
Nozzle Size:	110015VS	
Nozzle Spacing, Unit:	16 IN	
Nozzles/Row:	4	
Boom Length, Unit:	60 IN	
Boom Height, Unit:	18 IN	
Ground Speed, Unit:	3 MPH	
Carrier:	Water	
Spray Volume, Unit:	15 GPA	

Date	By	Deviations
10-May-07	JAB	Added Agri-Dex at 1 QT/A to all treatments.

Reasons: Rainfall occurred between planting and application.

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

Trial ID: 07-WS-12

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	24-May-07 Rice Injury % 14 DA-A	31-May-07 Rice Injury % 21 DA-A	ECHCG 24-May-07 Control % 14 DA-A	ECHCG 31-May-07 Control % 21 DA-A	24-May-07 No. leaves 14 DA-A	29-May-07 No. leaves 19 DA-A
								1	2	3	4	5	6
1	Cocodrie Nontreated No ammonium sulfate							0 c	0 b	0 e	0 f	2 a	3 a
2	Cocodrie Nontreated Ammonium sulfate	21	GR	100	LB/A	EPOST	B	0 c	0 b	0 e	0 f	2 a	4 a
3	Cocodrie Command No ammonium sulfate	3	ME	1	PT/A	DPRE	A	4 abc	1 b	92 a-d	93 abc	2 a	3 a
4	Cocodrie Command Ammonium sulfate	3 21	ME GR	1 100	PT/A LB/A	DPRE EPOST	A B	0 c	0 b	93 a-d	93 abc	2 a	4 a
5	Cocodrie Command No ammonium sulfate	3	ME	1.6	PT/A	DPRE	A	1 bc	1 b	88 d	83 e	2 a	4 a
6	Cocodrie Command Ammonium sulfate	3 21	ME GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	3 bc	3 b	94 abc	95 a	2 a	4 a
7	Cocodrie Prowl H2O No ammonium sulfate	3.8	CS	1.6	PT/A	DPRE	A	1 bc	0 b	90 bcd	86 cde	2 a	4 a
8	Cocodrie Prowl H2O Ammonium sulfate	3.8 21	CS GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	0 c	0 b	91 a-d	86 cde	2 a	4 a
9	Cocodrie Prowl H2O No ammonium sulfate	3.8	CS	2.1	PT/A	DPRE	A	3 bc	0 b	91 a-d	86 cde	2 a	4 a
10	Cocodrie Prowl H2O Ammonium sulfate	3.8 21	CS GR	2.1 100	PT/A LB/A	DPRE EPOST	A B	3 bc	1 b	93 a-d	90 a-d	2 a	3 a
11	XL723 Nontreated No ammonium sulfate							0 c	0 b	0 e	0 f	2 a	4 a
12	XL723 Nontreated Ammonium sulfate	21	GR	100	LB/A	EPOST	B	0 c	0 b	0 e	0 f	2 a	4 a
13	XL723 Command No ammonium sulfate	3	ME	1	PT/A	DPRE	A	4 ab	2 b	96 a	95 a	2 a	4 a
14	XL723 Command Ammonium sulfate	3 21	ME GR	1 100	PT/A LB/A	DPRE EPOST	A B	3 bc	0 b	94 abc	94 ab	2 a	4 a
15	XL723 Command No ammonium sulfate	3	ME	1.6	PT/A	DPRE	A	4 ab	2 b	93 a-d	91 abc	2 a	3 a
16	XL723 Command Ammonium sulfate	3 21	ME GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	6 a	6 a	95 ab	95 a	2 a	4 a
17	XL723 Prowl H2O No ammonium sulfate	3.8	CS	1.6	PT/A	DPRE	A	0 c	0 b	90 bcd	88 b-e	2 a	3 a
18	XL723 Prowl H2O Ammonium sulfate	3.8 21	CS GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	1 bc	0 b	89 cd	84 de	2 a	3 a
19	XL723 Prowl H2O No ammonium sulfate	3.8	CS	2.1	PT/A	DPRE	A	3 bc	1 b	90 bcd	89 a-e	3 a	3 a
20	XL723 Prowl H2O Ammonium sulfate	3.8 21	CS GR	2.1 100	PT/A LB/A	DPRE EPOST	A B	1 bc	1 b	89 cd	89 a-e	2 a	4 a
Standard Deviation								2.1	1.7	3.1	4.4	0.3	0.5
CV								121.87	185.7	4.23	6.07	14.51	13.61

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-12

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1-Jun-07 No. leaves 22 DA-A	5-Jun-07 No. leaves 26 DA-A	24-May-07 Height cm 14 DA-A	29-May-07 Height cm 19 DA-A	1-Jun-07 Height cm 22 DA-A	5-Jun-07 Height cm 26 DA-A
	Rating Date							1-Jun-07	5-Jun-07	24-May-07	29-May-07	1-Jun-07	5-Jun-07
	Rating Data Type							No. leaves	No. leaves	Height	Height	Height	Height
	Rating Unit									cm	cm	cm	cm
	Trt-Eval Interval							22 DA-A	26 DA-A	14 DA-A	19 DA-A	22 DA-A	26 DA-A
								7	8	9	10	11	12
1	Cocodrie							4 a	6 a	13 a	16 a	18 a	20 b-e
	Nontreated												
	No ammonium sulfate												
2	Cocodrie							4 a	6 a	15 a	15 a	19 a	24 a
	Nontreated												
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
3	Cocodrie							4 a	5 a	14 a	16 a	18 a	22 a-d
	Command	3	ME	1	PT/A	DPRE	A						
	No ammonium sulfate												
4	Cocodrie							4 a	6 a	14 a	15 a	19 a	23 ab
	Command	3	ME	1	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
5	Cocodrie							4 a	6 a	14 a	16 a	19 a	21 a-e
	Command	3	ME	1.6	PT/A	DPRE	A						
	No ammonium sulfate												
6	Cocodrie							4 a	6 a	14 a	15 a	20 a	22 a-e
	Command	3	ME	1.6	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
7	Cocodrie							4 a	5 a	15 a	15 a	19 a	21 b-e
	Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A						
	No ammonium sulfate												
8	Cocodrie							4 a	6 a	13 a	15 a	18 a	23 abc
	Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
9	Cocodrie							5 a	5 a	14 a	16 a	19 a	21 b-e
	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A						
	No ammonium sulfate												
10	Cocodrie							4 a	5 a	14 a	15 a	18 a	23 a-d
	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
11	XL723							4 a	6 a	14 a	15 a	18 a	21 b-e
	Nontreated												
	No ammonium sulfate												
12	XL723							5 a	6 a	14 a	16 a	19 a	22 a-d
	Nontreated												
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
13	XL723							5 a	6 a	13 a	16 a	18 a	20 de
	Command	3	ME	1	PT/A	DPRE	A						
	No ammonium sulfate												
14	XL723							4 a	6 a	14 a	16 a	18 a	22 a-d
	Command	3	ME	1	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
15	XL723							4 a	5 a	14 a	15 a	16 a	20 cde
	Command	3	ME	1.6	PT/A	DPRE	A						
	No ammonium sulfate												
16	XL723							4 a	6 a	12 a	16 a	18 a	21 b-e
	Command	3	ME	1.6	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
17	XL723							5 a	6 a	14 a	15 a	18 a	19 e
	Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A						
	No ammonium sulfate												
18	XL723							5 a	6 a	14 a	17 a	18 a	21 b-e
	Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
19	XL723							5 a	6 a	14 a	16 a	18 a	21 b-e
	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A						
	No ammonium sulfate												
20	XL723							4 a	6 a	13 a	16 a	19 a	21 a-e
	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A						
	Ammonium sulfate	21	GR	100	LB/A	EPOST	B						
	Standard Deviation							0.4	0.5	1.5	1.0	1.0	1.7
	CV							10.33	9.35	11.29	6.77	5.71	7.78

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-12

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	19-Sep-07 Height cm 13	50% Head DAE 15	19-Sep-07 Yield bu/A 18
1	Cocodrie Nontreated No ammonium sulfate							108 abc	83 a	162 fg
2	Cocodrie Nontreated Ammonium sulfate	21	GR	100	LB/A	EPOST	B	98 d	83 a	161 fg
3	Cocodrie Command No ammonium sulfate	3	ME	1	PT/A	DPRE	A	98 d	81 a	171 ef
4	Cocodrie Command Ammonium sulfate	3 21	ME GR	1 100	PT/A LB/A	DPRE EPOST	A B	99 d	82 a	166 efg
5	Cocodrie Command No ammonium sulfate	3	ME	1.6	PT/A	DPRE	A	97 d	82 a	159 g
6	Cocodrie Command Ammonium sulfate	3 21	ME GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	99 d	82 a	162 fg
7	Cocodrie Prowl H2O No ammonium sulfate	3.8	CS	1.6	PT/A	DPRE	A	100 cd	82 a	170 ef
8	Cocodrie Prowl H2O Ammonium sulfate	3.8 21	CS GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	101 cd	82 a	176 e
9	Cocodrie Prowl H2O No ammonium sulfate	3.8	CS	2.1	PT/A	DPRE	A	97 d	82 a	170 ef
10	Cocodrie Prowl H2O Ammonium sulfate	3.8 21	CS GR	2.1 100	PT/A LB/A	DPRE EPOST	A B	105 bcd	82 a	165 fg
11	XL723 Nontreated No ammonium sulfate							108 abc	79 b	199 ab
12	XL723 Nontreated Ammonium sulfate	21	GR	100	LB/A	EPOST	B	112 ab	79 b	186 d
13	XL723 Command No ammonium sulfate	3	ME	1	PT/A	DPRE	A	113 ab	80 b	205 a
14	XL723 Command Ammonium sulfate	3 21	ME GR	1 100	PT/A LB/A	DPRE EPOST	A B	115 a	80 b	195 bcd
15	XL723 Command No ammonium sulfate	3	ME	1.6	PT/A	DPRE	A	111 ab	80 b	189 cd
16	XL723 Command Ammonium sulfate	3 21	ME GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	112 ab	80 b	189 cd
17	XL723 Prowl H2O No ammonium sulfate	3.8	CS	1.6	PT/A	DPRE	A	113 ab	79 b	198 abc
18	XL723 Prowl H2O Ammonium sulfate	3.8 21	CS GR	1.6 100	PT/A LB/A	DPRE EPOST	A B	114 a	79 b	200 ab
19	XL723 Prowl H2O No ammonium sulfate	3.8	CS	2.1	PT/A	DPRE	A	116 a	79 b	196 a-d
20	XL723 Prowl H2O Ammonium sulfate	3.8 21	CS GR	2.1 100	PT/A LB/A	DPRE EPOST	A B	112 ab	79 b	194 bcd
Standard Deviation								4.4	0.9	6.2
CV								4.14	1.09	3.43

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-13
Location: DREC

Objectives:
To 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:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.66 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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:** 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.	10-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	10-May-07	Command	3	ME	1.33	PT/ A	N
3.	31-May-07	Storm	4	SL	1	PT/A	Y
4.	31-May-07	Induce		L	0.25	% v/v	Y
5.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
7.	13-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
8.	13-Jun-07	Agri-Dex		L	1	QT/A	Y
9.	22-Jun-07	Clincher SF	2.38	EC	10	FL OZ/A	Y
10.	22-Jun-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 1-Apr-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

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

Trial ID: 07-WS-13
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	8-May-07
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	7 DPP
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	79 F
% Relative Humidity:	66
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	Y
Soil Temperature, Unit:	75 F
Soil Moisture:	Adequate
% Cloud Cover:	10

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	GLYMA
Stage Majority, Percent:	V3
Stage Minimum, Percent:	V3
Stage Maximum, Percent:	V3
Height, Unit:	6 IN
Height Minimum, Maximum:	5 7
Density, Unit:	6 FT2

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	26 PSI
Nozzle Type:	DG
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

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

Trial ID: 07-WS-13
Location: DREC

Date	By	Notes
1-Apr-07	JAB	Spread Roundup Ready soybean seed (Pioneer 94B73).
31-May-07	JAB	Injury in Harmony Extra plots was chlorosis and height reduction.
3-Jun-07	JAB	Harmony Extra injury was height reduction. Control was better in reps 3 and 4 where flood was deeper.

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

Trial ID: 07-WS-13
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 Code												
Rating Date								15-May-07	22-May-07	31-May-07	7-Jun-07	3-Jul-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	23 23	30 30	56 56
Trt-Eval Interval								7 DA-A	14 DA-A	23 DA-A	30 DA-A	56 DA-A
1	Nontreated							0 b	0 b	0 b	0 b	0 c
2	Weed-free Check							0 b	0 b	0 b	0 b	0 c
	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A					
	Induce		L	4.8	FL OZ/A	7 DPP	A					
	SuperWham	4	SC	4	QT/A	E or MPOST	B					
	Agri-Dex		L	1	QT/A	E or MPOST	B					
3	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A	0 b	0 b	0 b	0 b	0 c
	Induce		L	4.8	FL OZ/A	7 DPP	A					
4	Gramoxone Inteon	2	SL	1.88	PT/A	7 DPP	A	0 b	0 b	0 b	0 b	0 c
	Induce		L	4.8	FL OZ/A	7 DPP	A					
5	Ignite	2.34	SL	29	FL OZ/A	7 DPP	A	0 b	0 b	0 b	0 b	0 c
6	Ignite	2.34	SL	15	FL OZ/A	7 DPP	A	0 b	0 b	0 b	0 b	0 c
7	Harmony Extra	75	DF	0.6	OZ/A	7 DPP	A	3 a	4 a	7 a	6 a	5 a
	Induce		L	4.8	FL OZ/A	7 DPP	A					
8	Harmony Extra	75	DF	0.3	OZ/A	7 DPP	A	3 a	3 a	6 a	5 a	2 b
	Induce		L	4.8	FL OZ/A	7 DPP	A					
Standard Deviation								1.3	1.3	1.0	1.1	1.3
CV								213.81	165.62	62.6	86.27	133.46

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	6	7	8	9	10	12
Pest Code								GLYMA	GLYMA	GLYMA	GLYMA	GLYMA	
Rating Date								15-May-07	22-May-07	31-May-07	7-Jun-07	3-Jul-07	
Rating Data Type								Control	Control	Control	Control	Control	50% Head
Rating Unit								%	%	%	%	%	DAE
Days After First/Last Applic.								7 7	14 14	23 23	30 30	56 56	
Trt-Eval Interval								7 DA-A	14 DA-A	23 DA-A	30 DA-A	56 DA-A	
1	Nontreated							0 d	0 d	0 d	0 d	0 d	82 b
2	Weed-free Check							95 a	98 a	100 a	100 a	100 a	82 bc
	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A						
	Induce		L	4.8	FL OZ/A	7 DPP	A						
	SuperWham	4	SC	4	QT/A	E or MPOST	B						
	Agri-Dex		L	1	QT/A	E or MPOST	B						
3	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A	95 a	98 a	98 a	97 a	98 a	81 c
	Induce		L	4.8	FL OZ/A	7 DPP	A						
4	Gramoxone Inteon	2	SL	1.88	PT/A	7 DPP	A	95 a	95 a	95 a	95 a	96 a	82 bc
	Induce		L	4.8	FL OZ/A	7 DPP	A						
5	Ignite	2.34	SL	29	FL OZ/A	7 DPP	A	94 a	94 a	94 a	95 a	98 a	82 bc
6	Ignite	2.34	SL	15	FL OZ/A	7 DPP	A	90 b	88 b	86 b	86 b	90 ab	82 bc
7	Harmony Extra	75	DF	0.6	OZ/A	7 DPP	A	30 c	64 c	68 c	70 c	80 bc	83 a
	Induce		L	4.8	FL OZ/A	7 DPP	A						
8	Harmony Extra	75	DF	0.3	OZ/A	7 DPP	A	29 c	63 c	70 c	73 c	70 c	83 a
	Induce		L	4.8	FL OZ/A	7 DPP	A						
Standard Deviation								2.5	3.7	3.9	4.2	6.8	0.6
CV								3.75	4.91	5.06	5.46	8.62	0.67

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-13
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17-Sep-07 Height cm 13	18-Sep-07 Yield bu/A 16
	Pest Code								
	Rating Date							17-Sep-07	18-Sep-07
	Rating Data Type							Height	Yield
	Rating Unit							cm	bu/A
	Days After First/Last Applic.								
	Trt-Eval Interval								
1	Nontreated							91 a	147 d
2	Weed-free Check							88 a	167 ab
	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A		
	Induce		L	4.8	FL OZ/A	7 DPP	A		
	SuperWham	4	SC	4	QT/A	E or MPOST	B		
	Agri-Dex		L	1	QT/A	E or MPOST	B		
3	Gramoxone Inteon	2	SL	3.75	PT/A	7 DPP	A	91 a	169 a
	Induce		L	4.8	FL OZ/A	7 DPP	A		
4	Gramoxone Inteon	2	SL	1.88	PT/A	7 DPP	A	86 a	172 a
	Induce		L	4.8	FL OZ/A	7 DPP	A		
5	Ignite	2.34	SL	29	FL OZ/A	7 DPP	A	85 a	164 abc
6	Ignite	2.34	SL	15	FL OZ/A	7 DPP	A	89 a	169 a
7	Harmony Extra	50	DF	0.6	OZ/A	7 DPP	A	88 a	160 bc
	Induce		L	4.8	FL OZ/A	7 DPP	A		
8	Harmony Extra	50	DF	0.3	OZ/A	7 DPP	A	90 a	158 c
	Induce		L	4.8	FL OZ/A	7 DPP	A		
	Standard Deviation							3.2	5.7
	CV							3.65	3.48

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Volunteer Roundup Ready Soybean Time of Removal

Trial ID: 07-WS-14
Location: DREC

Objectives:
To determine rice response to volunteer Roundup Ready soybean competition for different time intervals.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **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.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	29-May-07	Ricestar HT	0.58	EC	17	FL OZ/A	N
3.	4-Jun-07	Storm	4	SL	1.5	PT/A	Y
4.	4-Jun-07	Induce		L	0.25	% v/v	Y
5.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
7.	14-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
8.	14-Jun-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Volunteer Roundup Ready Soybean Time of Removal

Trial ID: 07-WS-14
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Date	By	Notes
11-May-07	JAB	Planted soybean seed spaced 2 feet apart between every drill row for a total of 56 seed/plot.

Date	By	Deviations
29-May-07	JAB	Removed soybean plants for treatment 1 at 3 weeks after planting rather than 1 week after planting.

Reasons: Soybeans were not planted until 3 days after rice due to rainfall received on 9-May-07. Therefore, soybeans did not emerge until 1 week after rice emergence.

Mississippi State University - DREC
Volunteer Roundup Ready Soybean Time of Removal

Trial ID: 07-WS-14
Location: DREC

Crop Name	Rice	Rice	Rice	Rice	Rice	Rice	Rice
Rating Date	5-Jun-07	28-Jun-07	17-Sep-07		10-Oct-07	18-Sep-07	12-Oct-07
Rating Data Type	Height	Height	Height	50% Head	Height	Yield	Seed Weight
Rating Unit	cm	cm	cm	DAE		bu/A	g/1000 seed
Trt No. Treatment Name	1	2	3	5	6	9	10
1 Weed-free Check	17 a	72 a	94 a	81 d	0.47 a	167 a	123 a
2 3 Week after Planting	17 a	70 a	94 a	81 cd	0.44 a	162 ab	120 a
3 4 Weeks after Planting	17 a	69 a	92 a	81 d	0.44 a	163 ab	120 a
4 5 Weeks after Planting	18 a	71 a	97 a	81 bcd	0.44 a	163 ab	119 a
5 6 Weeks after Planting	18 a	68 a	94 a	82 abc	0.43 a	167 a	119 a
6 7 Weeks after Planting	17 a	71 a	94 a	82 abc	0.46 a	158 b	121 a
7 8 Weeks after Planting	16 a	70 a	94 a	82 ab	0.45 a	161 b	120 a
8 9 Weeks after Planting	16 a	70 a	92 a	82 a	0.45 a	160 b	121 a
9 10 Weeks after Planting	16 a	72 a	94 a	83 a	0.44 a	160 b	122 a
10 Full-season Check	18 a	69 a	94 a	83 a	0.43 a	157 b	121 a
Standard Deviation	1.3	2.9	2.3	0.6	0.016	3.6	2.7
CV	7.83	4.1	2.49	0.68	3.52	2.21	2.25

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Newpath Application Rates

Trial ID: 07-WS-15
Location: DREC - Walker

Objectives:
To determine crop safety of Clearfield rice hybrids to applications of Newpath.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Multiple **Description:** Clearfield cultivars
BBCH Scale: BRIC **Planting Date:** 1-May-07
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 73 F
Soil Moisture: Adequate **Emergence Date:** 9-May-07
Harvest Date: 7-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	3-May-07	Command	3	ME	1.07	PT/A	N
2.	28-May-07	SuperWham	4	EC	4	QT/A	Y
3.	28-May-07	Facet	75	DF	0.5	LB/A	Y
4.	28-May-07	Permit	75	DF	0.75	OZ/A	Y
5.	28-May-07	Agri-Dex		L	1	QT/A	Y
6.	1-Jun-07	Urea (46-0-0)	46	GR	350	LB/A	N
7.	1-Jun-07	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Triple-K, 30-Apr-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	21-May-07	Flush
2.	4-Jun-07	Flood
3.	27-Aug-07	Drain

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Newpath Application Rates

Trial ID: 07-WS-15
Location: DREC - Walker

Application Description

	A	B
Application Date:	14-May-07	25-May-07
Time of Day:	7:00 am	10:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	JAB, LCV	JAB
Air Temperature, Unit:	73 F	83 F
% Relative Humidity:	58	71
Wind Velocity, Unit:	2 MPH	2 MPH
Wind Direction:	NE	NE
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	72 F	74 F
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	5	15

Crop Stage At Each Application

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

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	32 PSI	32 PSI
Nozzle Type:	AI	TT
Nozzle Size:	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
7-Jun-07	JAB	Injury was slight chlorosis and possible stunting.
21-Jun-07	JAB	Injury was slight height reduction.

Date	By	Deviations
7-Sep-07	JAB	No data from CLXP745 was collected.

Reasons: This trial and another hybrid trial were planted in different order. Planting maps were overlaid with spray maps to determine which plots were planted to each hybrid and sprayed with each Newpath treatment.

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Newpath Application Rates

Trial ID: 07-WS-15
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	8
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							25-May-07	7-Jun-07	21-Jun-07	20-Jul-07	25-May-07	4-Jun-07	
	Rating Data Type							Injury	Injury	Injury	Injury	Height	Height	50% Head
	Rating Unit							%	%	%	%	cm	cm	DAE
	Days After First/Last Applic.							11 0	24 13	38 27	67 56	11 0	21 10	
	Trt-Eval Interval							11 DA-A	13 DA-B	27 DA-B	56 DA-B	11 DA-A	10 DA-B	
1	CL161							0 b	0 c	0 a	0 a	17 a	19 b-e	88 a
	Nontreated													
2	CL161							0 b	0 c	0 a	0 a	16 a-d	20 a-d	88 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							
3	CL161							1 ab	1 c	1 a	0 a	17 ab	21 ab	88 a
	Newpath	2	AS	8	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	8	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	CL161							0 b	1 c	0 a	0 a	17 abc	19 b-e	88 a
	Newpath	2	AS	12	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	12	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	CLXL730							0 b	0 c	0 a	0 a	15 bcd	20 abc	82 bc
	Nontreated													
6	CLXL730							3 ab	0 c	0 a	0 a	15 cd	20 abc	81 cd
	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	CLXL730							4 a	0 c	0 a	0 a	15 bcd	17 de	82 bc
	Newpath	2	AS	8	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	8	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	CLXL730							1 ab	2 bc	0 a	0 a	16 a-d	18 cde	84 b
	Newpath	2	AS	12	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	12	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	CLXL729							0 b	0 c	0 a	0 a	14 d	22 a	81 cd
	Nontreated													
10	CLXL729							1 ab	1 c	0 a	0 a	14 d	19 a-d	80 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							
11	CLXL729							3 ab	4 ab	0 a	0 a	14 d	17 de	81 cd
	Newpath	2	AS	8	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	8	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
12	CLXL729							4 a	5 a	1 a	0 a	14 d	16 e	81 cd
	Newpath	2	AS	12	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	12	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Standard Deviation							2.0	1.3	0.6	0.0	1.3	1.7	1.2
	CV							146.39	116.8	467.1	0.0	8.58	8.87	1.46

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Newpath Application Rates

Trial ID: 07-WS-15
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	11
	Crop Name							Rice
	Rating Date							7-Sep-07
	Rating Data Type							Yield
	Rating Unit							bu/A
	Days After First/Last Applic.							
	Trt-Eval Interval							
1	CL161							177 b
	Nontreated							
2	CL161							193 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	
3	CL161							198 b
	Newpath	2	AS	8	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	8	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
4	CL161							191 b
	Newpath	2	AS	12	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	12	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
5	CLXL730							226 a
	Nontreated							
6	CLXL730							232 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	CLXL730							243 a
	Newpath	2	AS	8	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	8	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
8	CLXL730							221 a
	Newpath	2	AS	12	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	12	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
9	CLXL729							236 a
	Nontreated							
10	CLXL729							224 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	
11	CLXL729							234 a
	Newpath	2	AS	8	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	8	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
12	CLXL729							243 a
	Newpath	2	AS	12	FL OZ/A	EPOST	A	
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A	
	Newpath	2	AS	12	FL OZ/A	MPOST	B	
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B	
	Standard Deviation							14.2
	CV							6.53

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Objectives:
To determine crop safety of three Clearfield rice hybrids to applications of Beyond.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Multiple **Description:** Clearfield cultivars
BBCH Scale: BRIC **Planting Date:** 1-May-07
Planting Method: Drill
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 73 F
Soil Moisture: Adequate **Emergence Date:** 9-May-07
Harvest Date: 6-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	3-May-07	Command	3	ME	1.07	PT/A	N
2.	28-May-07	SuperWham	4	EC	4	QT/A	Y
3.	28-May-07	Facet	75	DF	0.5	LB/A	Y
4.	28-May-07	Permit	75	DF	0.75	OZ/A	Y
5.	28-May-07	Agri-Dex		L	1	QT/A	Y
6.	1-Jun-07	Urea (46-0-0)	46	GR	350	LB/A	N
7.	1-Jun-07	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Triple-K, 30-Apr-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	21-May-07	Flush
2.	4-Jun-07	Flood
3.	27-Aug-07	Drain

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Application Description

	A	B	C	D	E
Application Date:	14-May-07	25-May-07	25-Jun-07	9-Jul-07	20-Jul-07
Time of Day:	8:00 am	10:00 am	7:30 am	1:00 pm	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	MPOST	PI	PI + 14d	BOOT
Application Placement:	Foliar	Foliar	Foliar	Foliar	Foliar
Applied By:	LCV	LCV	LCV	LCV	JAB, LCV
Air Temperature, Unit:	73 F	82 F	81 F	86 F	78 F
% Relative Humidity:	58	71	76	80	74
Wind Velocity, Unit:	2 MPH	2 MPH	0 mph	0 MPH	3 MPH
Wind Direction:	NE	NE			S
Dew Presence (Y/N):	Y	N	Y	N	Y
Soil Temperature, Unit:	71 F	74 F			
Soil Moisture:	Adequate	Adeqate	Flood	Flood	Flood
% Cloud Cover:	5	15	0	100	25

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	4 leaf	1/2' IE	1.5" IE	Boot
Stage Minimum, Percent:	1 leaf	3 leaf	1/2" IE	1.5" IE	Boot
Stage Maximum, Percent:	2 leaf	4 leaf	1/2" IE	1.5" IE	Boot
Height, Unit:	4 IN	6 IN	24 IN	36 IN	37 IN
Height Minimum, Maximum:	3 4	5 6	22 25	34 38	35 39

Application Equipment

	A	B	C	D	E
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	32 PSI	32 PSI	24 PSI	24 PSI	26 PSI
Nozzle Type:	AI	AI	TT	TT	
Nozzle Size:	110015VS	110015VS	11001	11001	11002VS
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN	60 IN	60 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 MPH	2 MPH
Carrier:	Water	Water	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

Date	By	Notes
17-Aug-07	JAB	Beyond at 5 oz/A applied Boot and 10 oz/A applied PI + 14 d appeared to injure rice the worst. CLXL729 also had delayed maturity worse than others. Panicles were emerging from deep in canopy and sticking in boot.

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	7	10
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							9-Jul-07	22-Jul-07	30-Jul-07	3-Aug-07	17-Aug-07		6-Sep-07
	Rating Data Type							Injury	Injury	Injury	Injury	Injury	50% Head	Yield
	Rating Unit							%	%	%	%	%	DAE	bu/A
	Days After First/Last Applic.							56 0	69 2	77 10	81 14	95 28		
	Trt-Eval Interval							14 DA-C	13 DA-D	10 DA-E	14 DA-E	28 DA-E		
1	CL161							0 b	0 a	0 a	0 a	0 a	87 a	188 ghi
	Nontreated													
2	CL161							0 b	0 a	0 a	0 a	0 a	88 a	202 d-h
	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							
	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	0 a	88 a	196 f-i
	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							
	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	0 a	0 a	88 a	199 e-h
	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							
	Beyond	1	SL	5	FL OZ/A	Boot	E							
	Agri-Dex		L	19.2	FL OZ/A	Boot	E							
5	CL161							0 b	0 a	0 a	0 a	0 a	88 a	190 ghi
	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							
	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	0 a	87 a	186 ghi
	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							
	Beyond	1	SL	10	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
7	CLXL730							0 b	0 a	0 a	0 a	0 a	81 cd	221 bcd
	Nontreated													
8	CLXL730							0 b	0 a	0 a	0 a	0 a	82 c	217 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	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Beyond	1	SL	5	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
9	CLXL730								0 a	0 a	0 a	0 a	82 c	194 f-i
	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							
	Beyond	1	SL	5	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
10	CLXL730								0 a	0 a	0 a	0 a	85 b	194 f-i
	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							
	Beyond	1	SL	5	FL OZ/A	Boot	E							
	Agri-Dex		L	19.2	FL OZ/A	Boot	E							

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Crop Name								Rice	Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								9-Jul-07	22-Jul-07	30-Jul-07	3-Aug-07	17-Aug-07		6-Sep-07
Rating Data Type								Injury	Injury	Injury	Injury	Injury	50% Head	Yield
Rating Unit								%	%	%	%	%	DAE	bu/A
Days After First/Last Applic.								56 0	69 2	77 10	81 14	95 28		
Trt-Eval Interval								14 DA-C	13 DA-D	10 DA-E	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	5	7	10
11	CLXL730							2 ab	0 a	0 a	0 a	0 a	82 c	203 d-h
	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							
	Beyond	1	SL	10	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
12	CLXL730								0 a	0 a	0 a	0 a	85 b	167 jk
	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							
	Beyond	1	SL	10	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
13	CLXL729								0 a	0 a	0 a	0 a	80 d	232 bc
	Nontreated													
14	CLXL729							1 ab	0 a	0 a	0 a	0 a	81 cd	236 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							
	Beyond	1	SL	5	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
15	CLXL729								0 a	0 a	0 a	0 a	82 c	213 c-f
	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							
	Beyond	1	SL	5	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
16	CLXL729								0 a	0 a	0 a	0 a	88 a	184 hij
	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							
	Beyond	1	SL	5	FL OZ/A	Boot	E							
	Agri-Dex		L	19.2	FL OZ/A	Boot	E							
17	CLXL729							2 ab	0 a	0 a	0 a	0 a	81 cd	212 def
	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							
	Beyond	1	SL	10	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
18	CLXL729								0 a	0 a	0 a	0 a	86 b	156 k
	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							
	Beyond	1	SL	10	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
19	CLXP745							0 b	0 a	0 a	0 a	0 a	78 e	258 a
	Nontreated													
20	CLXP745							0 b	0 a	0 a	0 a	0 a	78 e	238 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							
	Beyond	1	SL	5	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Crop Name								Rice	Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								9-Jul-07	22-Jul-07	30-Jul-07	3-Aug-07	17-Aug-07		6-Sep-07
Rating Data Type								Injury	Injury	Injury	Injury	Injury	50% Head	Yield
Rating Unit								%	%	%	%	%	DAE	bu/A
Days After First/Last Applic.								56 0	69 2	77 10	81 14	95 28		
Trt-Eval Interval								14 DA-C	13 DA-D	10 DA-E	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	5	7	10
21	CLXP745								0 a	0 a	0 a	0 a	78 e	203 d-h
	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							
	Beyond	1	SL	5	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
22	CLXP745								0 a	0 a	0 a	0 a	81 cd	219 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	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Beyond	1	SL	5	FL OZ/A	Boot	E							
	Agri-Dex		L	19.2	FL OZ/A	Boot	E							
23	CLXP745							2 a	0 a	0 a	0 a	0 a	78 e	204 d-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	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
	Beyond	1	SL	10	FL OZ/A	PI	C							
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
24	CLXP745								0 a	0 a	0 a	0 a	81 cd	177 ij
	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							
	Beyond	1	SL	10	FL OZ/A	PI+14	D							
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D							
Standard Deviation								1.0	0.0	0.0	0.0	0.0	0.8	12.0
CV								182.92	0.0	0.0	0.0	0.0	1.01	5.89

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Rice 2-Oct-07 Total Mill % 11	Rice 2-Oct-07 Whole Mill % 12
1	CL161							71 ghi	66 c-f
	Nontreated								
2	CL161							71 hi	66 c-f
	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		
	Beyond	1	SL	5	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
3	CL161							71 hi	67 b-e
	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		
	Beyond	1	SL	5	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
4	CL161							70 i	66 def
	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		
	Beyond	1	SL	5	FL OZ/A	Boot	E		
	Agri-Dex		L	19.2	FL OZ/A	Boot	E		
5	CL161							71 ghi	67 a-e
	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		
	Beyond	1	SL	10	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
6	CL161							71 ghi	67 a-e
	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		
	Beyond	1	SL	10	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
7	CLXL730							71 e-i	66 c-f
	Nontreated								
8	CLXL730							72 a-f	67 b-e
	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		
	Beyond	1	SL	5	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
9	CLXL730							72 a-e	67 a-e
	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		
	Beyond	1	SL	5	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
10	CLXL730							72 c-h	66 c-f
	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		
	Beyond	1	SL	5	FL OZ/A	Boot	E		
	Agri-Dex		L	19.2	FL OZ/A	Boot	E		

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	11	12
	Crop Name							Rice	Rice
	Rating Date							2-Oct-07	2-Oct-07
	Rating Data Type							Total Mill	Whole Mill
	Rating Unit							%	%
	Days After First/Last Applic.								
	Trt-Eval Interval								
11	CLXL730							71 d-i	66 c-f
	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		
	Beyond	1	SL	10	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
12	CLXL730							72 b-g	66 c-f
	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		
	Beyond	1	SL	10	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
13	CLXL729							71 f-i	65 ef
	Nontreated								
14	CLXL729							71 d-i	67 b-e
	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		
	Beyond	1	SL	5	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
15	CLXL729							71 ghi	66 c-f
	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		
	Beyond	1	SL	5	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
16	CLXL729							70 i	64 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	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
	Beyond	1	SL	5	FL OZ/A	Boot	E		
	Agri-Dex		L	19.2	FL OZ/A	Boot	E		
17	CLXL729							71 ghi	66 c-f
	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		
	Beyond	1	SL	10	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
18	CLXL729							71 ghi	65 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	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
	Beyond	1	SL	10	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
19	CLXP745							72 a-d	66 c-f
	Nontreated								
20	CLXP745							73 a	68 ab
	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		
	Beyond	1	SL	5	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		

Mississippi State University - DREC
Clearfield Hybrid Tolerance to Beyond

Trial ID: 07-WS-16
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	11	12
	Crop Name							Rice	Rice
	Rating Date							2-Oct-07	2-Oct-07
	Rating Data Type							Total Mill	Whole Mill
	Rating Unit							%	%
	Days After First/Last Applic.								
	Trt-Eval Interval								
21	CLXP745							73 a	69 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		
	Beyond	1	SL	5	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
22	CLXP745							73 ab	65 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	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
	Beyond	1	SL	5	FL OZ/A	Boot	E		
	Agri-Dex		L	19.2	FL OZ/A	Boot	E		
23	CLXP745							73 abc	68 a-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		
	Beyond	1	SL	10	FL OZ/A	PI	C		
	Agri-Dex		L	19.2	FL OZ/A	PI	C		
24	CLXP745							72 a-e	68 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	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
	Beyond	1	SL	10	FL OZ/A	PI+14	D		
	Agri-Dex		L	19.2	FL OZ/A	PI+14	D		
	Standard Deviation							0.6	1.0
	CV							0.82	1.44

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-18
Location: DREC

Objectives:
To 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:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** Multiple
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.	1-Apr-07	Roundup Weathermax	5.5	AS	35	FL OZ/A	N
2.	1-May-07	Roundup Weathermax	5.5	AS	25	FL OZ/A	N
3.	29-May-07	Aim	2	EC	1.67	FL OZ/A	Y
4.	29-May-07	Induce		L	0.25	% v/v	Y
5.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
6.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
7.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
8.	18-Jun-07	Agri-Dex		L	1	QT/A	Y
9.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
10.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Rotary Tiller on conventional tillage plots, 1-May-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

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

Trial ID: 07-WS-18
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Sep-07	Drain

Application Description

	A
Application Date:	10-May-07
Time of Day:	2:15 pm
Application Method:	Broadcast
Application Timing:	DPRE
Application Placement:	Soil
Applied By:	JAB
Air Temperature, Unit:	82 F
% Relative Humidity:	68
Wind Velocity, Unit:	0 MPH
Dew Presence (Y/N):	N
Soil Temperature, Unit:	74 F
Soil Moisture:	Adequate
% Cloud Cover:	80

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	26 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
30-Nov-06	JAB	Planted ryegrass seed.
1-May-07	JAB	Applied Roundup Weathermax at 23 FL OZ/A to stale seedbed plots.
31-May-07	JAB	Injury was height reduction and some skips in stand.

Date	By	Deviations
10-May-07	JAB	Added Agri-Dex at 1 QT/A to all treatments.

Reasons: Rainfall occurred between planting and application.

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

Trial ID: 07-WS-18
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 Code										ECHCG	ECHCG		
Rating Date								24-May-07	31-May-07	24-May-07	31-May-07	24-May-07	24-May-07
Rating Data Type								Rice Injury	Rice Injury	Control	Control	Height	Density
Rating Unit								%	%	%	%	cm	Pl/sq ft
Days After First/Last Applic.								14 14	21 21	14 14	21 21	14 14	14 14
Trt-Eval Interval								14 DA-A	21 DA-A	14 DA-A	21 DA-A	14 DA-A	14 DA-A
1	Conventional Tillage Nontreated							2 a	2 a	32 b	32 b	11 a	25 a
2	Conventional Tillage Command	3	ME	1	PT/A	DPRE	A	3 a	2 a	95 a	95 a	11 a	22 a
3	Conventional Tillage Command	3	ME	1.6	PT/A	DPRE	A	5 a	3 a	95 a	95 a	11 a	22 a
4	Conventional Tillage Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	8 a	7 a	95 a	95 a	9 a	21 a
5	Conventional Tillage Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	8 a	12 a	95 a	95 a	9 a	22 a
6	Conventional Tillage Facet	75	DF	0.333	LB/A	DPRE	A	3 a	5 a	93 a	95 a	11 a	23 a
7	Conventional Tillage Facet	75	DF	0.67	LB/A	DPRE	A	2 a	2 a	95 a	95 a	10 a	23 a
8	Fall Stale Seedbed Nontreated							3 a	2 a	63 ab	63 ab	10 a	24 a
9	Fall Stale Seedbed Command	3	ME	1	PT/A	DPRE	A	5 a	5 a	95 a	95 a	9 a	24 a
10	Fall Stale Seedbed Command	3	ME	1.6	PT/A	DPRE	A	2 a	3 a	95 a	95 a	8 a	25 a
11	Fall Stale Seedbed Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	2 a	2 a	95 a	95 a	11 a	26 a
12	Fall Stale Seedbed Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	5 a	5 a	95 a	95 a	8 a	24 a
13	Fall Stale Seedbed Facet	75	DF	0.333	LB/A	DPRE	A	0 a	0 a	92 a	92 a	11 a	23 a
14	Fall Stale Seedbed Facet	75	DF	0.67	LB/A	DPRE	A	3 a	2 a	95 a	95 a	10 a	23 a
Standard Deviation								4.2	4.9	20.2	20.3	1.8	2.5
CV								113.77	135.97	23.01	23.05	18.45	10.92

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-18
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
Pest Code								
Rating Date								1-Oct-07
Rating Data Type								Yield
Rating Unit								bu/A
Days After First/Last Applic.								
Trt-Eval Interval								
1	Conventional Tillage Nontreated							195 a
2	Conventional Tillage Command	3	ME	1	PT/A	DPRE	A	197 a
3	Conventional Tillage Command	3	ME	1.6	PT/A	DPRE	A	179 a
4	Conventional Tillage Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	201 a
5	Conventional Tillage Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	197 a
6	Conventional Tillage Facet	75	DF	0.333	LB/A	DPRE	A	183 a
7	Conventional Tillage Facet	75	DF	0.67	LB/A	DPRE	A	197 a
8	Fall Stale Seedbed Nontreated							176 a
9	Fall Stale Seedbed Command	3	ME	1	PT/A	DPRE	A	186 a
10	Fall Stale Seedbed Command	3	ME	1.6	PT/A	DPRE	A	180 a
11	Fall Stale Seedbed Prowl H2O	3.8	CS	1.6	PT/A	DPRE	A	186 a
12	Fall Stale Seedbed Prowl H2O	3.8	CS	2.1	PT/A	DPRE	A	189 a
13	Fall Stale Seedbed Facet	75	DF	0.333	LB/A	DPRE	A	181 a
14	Fall Stale Seedbed Facet	75	DF	0.67	LB/A	DPRE	A	187 a
Standard Deviation								11.3
CV								6.04

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on Cocodrie

Trial ID: 07-WS-19
Location: DREC

Objectives:
To determine the response of Cocodrie to supplemental fertilizer applied following simulated glyphosate drift to rice in the two- to three-leaf growth stage.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
4.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	18-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
7.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on Cocodrie

Trial ID: 07-WS-19
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Sep-07	Drain

Application Description

	A	B
Application Date:	25-May-07	9-Jun-07
Time of Day:	6:00 am	11:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	10-14 DAA
Application Placement:	Foliar	Soil
Applied By:	JAB, LCV	LCV
Air Temperature, Unit:	71 F	84 F
% Relative Humidity:	77	74
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	71 F	76 F
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	0	15

Crop Stage At Each Application

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

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	Hand
Operating Pressure, Unit:	40 PSI	
Nozzle Type:	TXVS	
Nozzle Size:	2	
Nozzle Spacing, Unit:	16 IN	
Nozzles/Row:	4	
Boom Length, Unit:	60 IN	
Boom Height, Unit:	18 IN	
Ground Speed, Unit:	4.5 MPH	
Carrier:	Water	
Spray Volume, Unit:	15 GPA	

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on Cocodrie

Trial ID: 07-WS-19
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
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							1-Jun-07	7-Jun-07	18-Jun-07	26-Jun-07	1-Jun-07	11-Jun-07
	Rating Data Type							Injury	Injury	Injury	Injury	Height	Height
	Rating Unit							%	%	%	%	cm	cm
	Days After First/Last Applic.							7 7	13 13	24 9	32 17	7 7	17 2
	Trt-Eval Interval							7 DA-A	13 DA-A	9 DA-B	17 DA-B	7 DA-A	13 DA-A
1	No Roundup Weathermax							0 c	0 c	0 c	0 c	16 abc	22 a
	No Fertilizer												
2	No Roundup Weathermax							0 c	0 c	0 c	0 c	16 ab	22 a
	Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B						
3	No Roundup Weathermax							0 c	0 c	0 c	0 c	17 a	23 a
	Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B						
4	No Roundup Weathermax							0 c	0 c	0 c	0 c	17 a	23 a
	Ammonium sulfate	21	GR	50	LB/A	10-14 DAA	B						
	Diammonium phosphate	18	GR	50	LB/A	10-14 DAA	B						
5	Roundup Weathermax	5.5	AS	2.9	FL OZ/A	EPOST	A	74 a	84 a	80 a	80 a	15 abc	14 cd
	No Fertilizer												
6	Roundup Weathermax	5.5	AS	2.9	FL OZ/A	EPOST	A	75 a	88 a	79 a	76 a	14 bc	15 cd
	Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B						
7	Roundup Weathermax	5.5	AS	2.9	FL OZ/A	EPOST	A	74 a	89 a	75 a	74 a	14 bc	13 d
	Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B						
8	Roundup Weathermax	5.5	AS	2.9	FL OZ/A	EPOST	A	73 a	86 a	83 a	79 a	14 c	14 cd
	Ammonium sulfate	21	GR	50	LB/A	10-14 DAA	B						
	Diammonium phosphate	18	GR	50	LB/A	10-14 DAA	B						
9	Roundup Weathermax	5.5	AS	1.45	FL OZ/A	EPOST	A	18 b	49 b	33 b	31 b	14 c	18 b
	No Fertilizer												
10	Roundup Weathermax	5.5	AS	1.45	FL OZ/A	EPOST	A	23 b	49 b	34 b	33 b	15 abc	16 bc
	Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B						
11	Roundup Weathermax	5.5	AS	1.45	FL OZ/A	EPOST	A	20 b	44 b	29 b	29 b	14 bc	22 a
	Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B						
12	Roundup Weathermax	5.5	AS	1.45	FL OZ/A	EPOST	A	21 b	48 b	30 b	28 b	15 abc	18 b
	Ammonium sulfate	21	GR	50	LB/A	10-14 DAA	B						
	Diammonium phosphate	18	GR	50	LB/A	10-14 DAA	B						
	Standard Deviation							4.7	3.4	5.9	4.3	1.3	1.9
	CV							14.91	7.64	16.06	11.94	8.87	10.26

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on Cocodrie

Trial ID: 07-WS-19
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	11	14
Crop Name								Rice	Rice	Rice	Rice	Rice
Rating Date								18-Jun-07	25-Jun-07	12-Sep-07		1-Oct-07
Rating Data Type								Height	Height	Height	50% Head	Yield
Rating Unit								cm	cm	cm	DAE	bu/A
Days After First/Last Applic.								24 9	31 16	110 95		
Trt-Eval Interval								9 DA-B	16 DA-B	95 DA-B		
1	No Roundup Weathermax No Fertilizer							27 ab	52 ab	104 a	88 cd	172 a
2	No Roundup Weathermax Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B	30 a	53 ab	102 a	88 cd	173 a
3	No Roundup Weathermax Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B	28 ab	55 a	103 a	87 d	178 a
4	No Roundup Weathermax Ammonium sulfate Diammonium phosphate	21 18	GR GR	50 50	LB/A LB/A	10-14 DAA 10-14 DAA	B B	29 ab	56 a	105 a	88 cd	180 a
5	Roundup Weathermax No Fertilizer	5.5	AS	2.9	FL OZ/A	EPOST	A	18 c	36 e	103 a	94 a	151 bc
6	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	20 c	38 e	103 a	94 a	151 bc
7	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	18 c	36 e	104 a	93 a	143 c
8	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	2.9 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	19 c	40 de	106 a	93 a	139 c
9	Roundup Weathermax No Fertilizer	5.5	AS	1.45	FL OZ/A	EPOST	A	25 b	46 c	104 a	89 b	176 a
10	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	29 ab	44 cd	103 a	89 b	167 ab
11	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	28 ab	49 bc	103 a	89 bcd	170 ab
12	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	1.45 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	28 ab	45 c	104 a	89 bc	169 ab
Standard Deviation								2.3	3.2	2.9	1.0	13.1
CV								9.32	7.03	2.79	1.12	7.96

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on XL723

Trial ID: 07-WS-20
Location: DREC

Objectives:
To determine the response of XL723 to supplemental fertilizer applied following simulated glyphosate drift to rice in the two- to three-leaf growth stage.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: XL723 **Description:** Conventional hybrid
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
4.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	18-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
7.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on XL723

Trial ID: 07-WS-20
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Jul-07	Drain

Application Description

	A	B
Application Date:	25-May-07	9-Jun-07
Time of Day:	6:15 am	11:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	10-14 DAA
Application Placement:	Foliar	Soil
Applied By:	JAB, LCV	LCV
Air Temperature, Unit:	71 F	84 F
% Relative Humidity:	77	74
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	71 F	76 F
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	0	15

Crop Stage At Each Application

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

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	Hand
Operating Pressure, Unit:	40 PSI	
Nozzle Type:	TXVS	
Nozzle Size:	2	
Nozzle Spacing, Unit:	16 IN	
Nozzles/Row:	4	
Boom Length, Unit:	60 IN	
Boom Height, Unit:	18 IN	
Ground Speed, Unit:	4.5 MPH	
Carrier:	Water	
Spray Volume, Unit:	15 GPA	

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on XL723

Trial ID: 07-WS-20
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
Crop Name								Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								1-Jun-07	7-Jun-07	18-Jun-07	26-Jun-07	1-Jun-07	11-Jun-07
Rating Data Type								Injury	Injury	Injury	Injury	Height	Height
Rating Unit								%	%	%	%	cm	cm
Days After First/Last Applic.								7 7	13 13	24 9	32 17	7 7	17 2
Trt-Eval Interval								7 DA-A	13 DA-A	9 DA-B	17 DA-B	7 DA-A	17 DA-A
1	No Roundup Weathermax No Fertilizer							0 d	0 d	0 d	0 e	15 ab	20 ab
2	No Roundup Weathermax Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B	0 d	0 d	0 d	0 e	16 a	22 a
3	No Roundup Weathermax Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B	0 d	0 d	0 d	0 e	15 ab	22 a
4	No Roundup Weathermax Ammonium sulfate Diammonium phosphate	21 18	GR GR	50 50	LB/A LB/A	10-14 DAA 10-14 DAA	B B	0 d	0 d	0 d	0 e	17 a	22 a
5	Roundup Weathermax No Fertilizer	5.5	AS	2.9	FL OZ/A	EPOST	A	86 a	94 a	89 a	87 a	13 c	14 de
6	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	73 b	90 a	85 a	81 ab	13 bc	13 e
7	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	68 b	91 a	84 a	80 b	12 c	13 e
8	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	2.9 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	71 b	88 a	84 a	78 b	12 c	15 cde
9	Roundup Weathermax No Fertilizer	5.5	AS	1.45	FL OZ/A	EPOST	A	26 c	59 b	45 b	38 c	14 bc	17 bcd
10	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	21 c	50 bc	29 c	26 d	12 c	17 bcd
11	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	21 c	49 c	28 c	28 d	14 bc	18 b
12	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	1.45 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	24 c	56 bc	34 c	30 d	12 c	18 bc
Standard Deviation								6.2	6.1	5.4	4.5	1.4	2.1
CV								19.03	12.61	13.7	12.21	9.95	11.86

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Effect of Supplemental Fertilizer Following Simulated Glyphosate Drift on XL723

Trial ID: 07-WS-20
Location: DREC

Crop Name								Rice	Rice	Rice	Rice	Rice
Rating Date								18-Jun-07	25-Jun-07	12-Sep-07		1-Oct-07
Rating Data Type								Height	Height	Height	50% Head	Yield
Rating Unit								cm	cm	cm	DAE	bu/A
Days After First/Last Applic.								24 9	31 16	110 95		
Trt-Eval Interval								9 DA-B	16 DA-B	95 DA-B		
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	11	14
1	No Roundup Weathermax No Fertilizer							28 ab	52 a	128 a	85 d	180 d
2	No Roundup Weathermax Ammonium sulfate	21	GR	100	LB/A	10-14 DAA	B	31 a	53 a	126 a	85 d	194 a-d
3	No Roundup Weathermax Diammonium phosphate	18	GR	100	LB/A	10-14 DAA	B	28 ab	54 a	128 a	85 d	189 bcd
4	No Roundup Weathermax Ammonium sulfate Diammonium phosphate	21 18	GR GR	50 50	LB/A LB/A	10-14 DAA 10-14 DAA	B B	28 ab	52 a	124 a	85 d	203 ab
5	Roundup Weathermax No Fertilizer	5.5	AS	2.9	FL OZ/A	EPOST	A	17 c	35 e	126 a	94 a	150 e
6	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	18 c	39 de	126 a	92 b	185 bcd
7	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	2.9 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	19 c	40 cde	126 a	93 b	183 cd
8	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	2.9 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	19 c	38 de	129 a	92 b	213 a
9	Roundup Weathermax No Fertilizer	5.5	AS	1.45	FL OZ/A	EPOST	A	26 b	45 bc	125 a	90 c	213 a
10	Roundup Weathermax Ammonium sulfate	5.5 21	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	29 ab	46 b	128 a	88 c	200 abc
11	Roundup Weathermax Diammonium phosphate	5.5 18	AS GR	1.45 100	FL OZ/A LB/A	EPOST 10-14 DAA	A B	27 ab	43 bcd	125 a	88 c	201 abc
12	Roundup Weathermax Ammonium sulfate Diammonium phosphate	5.5 21 18	AS GR GR	1.45 50 50	FL OZ/A LB/A LB/A	EPOST 10-14 DAA 10-14 DAA	A B B	26 b	47 b	125 a	89 c	200 abc
Standard Deviation								2.8	3.5	3.4	0.9	11.8
CV								11.28	7.68	2.67	0.98	6.11

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Evaluation of Simulated Glyphosate Drift on CL161

Trial ID: 07-WS-21
Location: DREC

Objectives:
To characterize the interaction of Newpath applications and simulated glyphosate drift on CL161.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
4.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	18-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
7.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Evaluation of Simulated Glyphosate Drift on CL161

Trial ID: 07-WS-21
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Sep-07	Drain

Application Description

	A	B	C
Application Date:	17-May-07	25-May-07	31-May-07
Time of Day:	11:30 am	6:30 am	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	VEPOST	EPOST	MPOST
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB	JAB, LCV	JAB
Air Temperature, Unit:	74 F	71 F	73 F
% Relative Humidity:	54	77	75
Wind Velocity, Unit:	4 MPH	0 MPH	4 MPH
Wind Direction:	N		SE
Dew Presence (Y/N):	N	Y	Y
Soil Temperature, Unit:	72 F	71 F	73 F
Soil Moisture:	Adequate	Adequate	Adequate
% Cloud Cover:	15	0	20

Crop Stage At Each Application

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

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	32 PSI	40 PSI	30 PSI
Nozzle Type:	AI	TXVS	AI
Nozzle Size:	110015VS	2	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3 MPH	3 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Evaluation of Simulated Glyphosate Drift on CL161

Trial ID: 07-WS-21
Location: DREC

Crop Name								Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								1-Jun-07	7-Jun-07	22-Jun-07	1-Jun-07	11-Jun-07	12-Sep-07
Rating Data Type								Injury	Injury	Injury	Height	Height	Height
Rating Unit								%	%	%	cm	cm	cm
Days After First/Last Applic.								15 1	21 7	36 22	15 1	25 11	118 104
Trt-Eval Interval								7 DA-B	13 DA-B	28 DA-B	7 DA-B	17 DA-B	110 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
1	No Newpath							0 b	0 b	0 c	15 ab	21 a	109 a
	No Roundup Weathermax												
2	Newpath	2	AS	6	FL OZ/A	VEPOST	A	71 a	87 a	89 a	13 cd	13 c	107 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B						
3	Newpath	2	AS	6	FL OZ/A	VEPOST	A	0 b	0 b	0 c	15 ab	21 ab	111 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	No Roundup Weathermax												
4	Newpath	2	AS	6	FL OZ/A	MPOST	C	69 a	85 a	84 b	12 cd	13 cd	109 a
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B						
5	Newpath	2	AS	6	FL OZ/A	MPOST	C	0 b	0 b	0 c	16 a	20 b	110 a
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	No Roundup Weathermax												
6	Newpath	2	AS	6	FL OZ/A	VEPOST	A	79 a	89 a	90 a	11 d	12 cd	108 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B						
7	Newpath	2	AS	6	FL OZ/A	VEPOST	A	0 b	0 b	0 c	14 abc	20 b	110 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A						
	Newpath	2	AS	6	FL OZ/A	MPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C						
	No Roundup Weathermax												
8	No Newpath							74 a	84 a	89 a	13 bcd	12 d	110 a
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B						
Standard Deviation								9.0	4.7	2.5	1.4	1.1	4.9
CV								24.49	10.81	5.64	10.46	6.82	4.45

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Evaluation of Simulated Glyphosate Drift on CL161

Trial ID: 07-WS-21
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	11
Crop Name								Rice	Rice
Rating Date									1-Oct-07
Rating Data Type								50% Head	Yield
Rating Unit								DAE	bu/A
Days After First/Last Applic.									
Trt-Eval Interval									
1	No Newpath							92 b	140 a
	No Roundup Weathermax								
2	Newpath	2	AS	6	FL OZ/A	VEPOST	A	99 a	144 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A		
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B		
3	Newpath	2	AS	6	FL OZ/A	VEPOST	A	91 b	149 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A		
	No Roundup Weathermax								
4	Newpath	2	AS	6	FL OZ/A	MPOST	C	99 a	141 a
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C		
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B		
5	Newpath	2	AS	6	FL OZ/A	MPOST	C	92 b	153 a
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C		
	No Roundup Weathermax								
6	Newpath	2	AS	6	FL OZ/A	VEPOST	A	101 a	129 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A		
	Newpath	2	AS	6	FL OZ/A	MPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C		
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B		
7	Newpath	2	AS	6	FL OZ/A	VEPOST	A	92 b	150 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	A		
	Newpath	2	AS	6	FL OZ/A	MPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	C		
	No Roundup Weathermax								
8	No Newpath							100 a	137 a
	Roundup Weathermax	5.5	AS	2.8	FL OZ/A	EPOST	B		
Standard Deviation								1.6	11.9
CV								1.68	8.33

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Simulated Glyphosate Drift to Rice

Trial ID: 07-WS-22
Location: DREC

Objectives:
To characterize the rice response to simulated glyphosate drift at different rice growth stages.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
3.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
4.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
5.	18-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
7.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Simulated Glyphosate Drift to Rice

Trial ID: 07-WS-22
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Sep-07	Drain

Application Description

	A	B	C
Application Date:	8-Jun-07	2-Jul-07	1-Aug-07
Time of Day:	6:00 am	7:30 am	6:30 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	LPOST	PD	BOOT
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB	LCV	LCV, JAB
Air Temperature, Unit:	74 F	77 F	83 F
% Relative Humidity:	78	75	76
Wind Velocity, Unit:	3 MPH	0 MPH	0 MPH
Wind Direction:	S		
Dew Presence (Y/N):	N	Y	Y
Soil Temperature, Unit:	77 F		
Soil Moisture:	Adequate	Flood	Flood
% Cloud Cover:	80	25	60

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 tiller	PD	Boot
Stage Minimum, Percent:	2 tiller	PD	Boot
Stage Maximum, Percent:	2 tiller	PD	Boot
Height, Unit:	10 IN	24 IN	35 IN
Height Minimum, Maximum:	9 10	22 25	33 36

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	30 PSI	30 PSI	30 PSI
Nozzle Type:	TXVS	TXVS	TXVS
Nozzle Size:	2	2	2
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	4.5 MPH	3 MPH	3 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Simulated Glyphosate Drift to Rice

Trial ID: 07-WS-22
Location: DREC

Date	By	Notes
22-Jun-07	JAB	Glyphosate at 2.75 FL OZ/A injured rice severely at 3 days after flood.

Date	By	Deviations
2-Jul-07	JAB	Sprayed treatment 7 at 3 mph rather than 6 mph.

Reasons: Spraying at 6 mph was not possible in flooded field.

Date	By	Deviations
1-Aug-07	JAB	Sprayed treatment 8 at 3 mph rather than 6 mph.

Reasons: Spraying at 6 mph was not possible in flooded field.

Date	By	Deviations
1-Oct-07	JAB	Treatments 5 and 9 were deleted.

Reasons: Grain was dry.

Mississippi State University - DREC
Simulated Glyphosate Drift to Rice

Trial ID: 07-WS-22
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
Crop Name								Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								18-Jun-07	22-Jun-07	5-Jul-07	10-Jul-07	16-Jul-07	30-Jul-07
Rating Data Type								Injury	Injury	Injury	Injury	Injury	Injury
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								10 10	14 14	27 3	32 8	38 14	52 28
Trt-Eval Interval								10 DA-A	14 DA-A	27 DA-A	8 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 b	0 c	0 b	0 c	0 d	0 d
2	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	1-tiller	A	22 a	69 a	44 a	36 a	21 c	14 c
	1 tiller rice					1-tiller	A						
3	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	PD	B				24 ab	57 a	74 a
	Panicle Differentiation					PD	B						
4	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	Boot	C						
	Boot					Boot	C						
6	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	1-tiller	A	19 a	33 b	34 a	17 abc	17 c	14 c
	1 tiller rice					1-tiller	A						
7	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	PD	B				13 bc	43 b	58 b
	Panicle Differentiation					PD	B						
8	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	Boot	C						
	Boot					Boot	C						
Standard Deviation								4.1	16.4	14.6	11.8	9.0	7.8
CV								30.3	48.39	55.89	66.29	32.85	24.53

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	13
Crop Name								Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								7-Aug-07	15-Aug-07	18-Jun-07	25-Jun-07	12-Sep-07	
Rating Data Type								Injury	Injury	Height	Height	Height	50% Head
Rating Unit								%	%	cm	cm	cm	DAE
Days After First/Last Applic.								60 6	68 14	10 10	17 17	96 42	
Trt-Eval Interval								6 DA-C	14 DA-C	10 DA-A	17 DA-A	42 DA-C	
1	Nontreated							0 d	0 d	25 a	54 a	100 a	88 e
2	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	1-tiller	A	11 cd	10 c	23 a	32 b	102 a	92 c
	1 tiller rice					1-tiller	A						
3	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	PD	B	79 a	82 a			72 d	111 a
	Panicle Differentiation					PD	B						
4	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	Boot	C	13 cd	14 c				
	Boot					Boot	C						
6	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	1-tiller	A	5 cd	2 d	24 a	43 ab	103 a	89 d
	1 tiller rice					1-tiller	A						
7	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	PD	B	40 b	46 b			79 c	96 b
	Panicle Differentiation					PD	B						
8	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	Boot	C	21 c	9 c			94 b	89 de
	Boot					Boot	C						
Standard Deviation								12.1	4.3	1.5	7.9	3.3	0.9
CV								50.21	18.72	6.22	18.19	3.45	1.02

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Simulated Glyphosate Drift to Rice

Trial ID: 07-WS-22
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	16	
Crop Name								Rice	
Rating Date								1-Oct-07	
Rating Data Type								Yield	
Rating Unit								bu/A	
Days After First/Last Applic.									
Trt-Eval Interval									
1	Nontreated							180	a
2	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	1-tiller	A	156	b
	1 tiller rice					1-tiller	A		
3	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	PD	B	60	d
	Panicle Differentiation					PD	B		
4	Roundup Weathermax	5.5	AS	2.75	FL OZ/A	Boot	C	8	e
	Boot					Boot	C		
6	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	1-tiller	A	178	a
	1 tiller rice					1-tiller	A		
7	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	PD	B	133	c
	Panicle Differentiation					PD	B		
8	Roundup Weathermax	5.5	AS	1.375	FL OZ/A	Boot	C	14	e
	Boot					Boot	C		
Standard Deviation								11.5	
CV								9.51	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Simulated Newpath Drift to Rice

Trial ID: 07-WS-23
Location: DREC

Objectives:
To characterize the rice response to simulated Newpath drift at different rice growth stages.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 1-Oct-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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
% Slope: 0.1 **Soil Drainage:** G Good

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	18-Jun-07	SuperWham	4	EC	4	QT/A	Y
2.	18-Jun-07	Facet	75	DF	0.5	LB/A	Y
3.	18-Jun-07	Permit	75	DF	0.75	OZ/A	Y
4.	18-Jun-07	Agri-Dex		L	1	QT	Y
5.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	18-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Simulated Newpath Drift to Rice

Trial ID: 07-WS-23
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	11-Jun-07	Flush
6.	19-Jun-07	Flood
7.	17-Sep-07	Drain

Application Description

	A	B	C
Application Date:	25-May-07	8-Jun-07	2-Jul-07
Time of Day:	6:45 am	6:15 am	7:45 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	LPOST	PD
Application Placement:	Foliar	Foliar	Foliar
Applied By:	JAB, LCV	JAB, LCV	LCV
Air Temperature, Unit:	71 F	74 F	77 F
% Relative Humidity:	77	78	75
Wind Velocity, Unit:	0 MPH	3 MPH	0 MPH
Wind Direction:		S	
Dew Presence (Y/N):	Y	N	Y
Soil Temperature, Unit:	71 F	77 F	
Soil Moisture:	Adequate	Adequate	Flood
% Cloud Cover:	0	80	25

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	2 tiller	PD
Stage Minimum, Percent:	2 leaf	2 tiller	PD
Stage Maximum, Percent:	2 leaf	2 tiller	PD
Height, Unit:	5 IN	10 IN	24 IN
Height Minimum, Maximum:	4 5	9 10	22 25

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	40 PSI	40 PSI	30 PIS
Nozzle Type:	TXVS	TXVS	TXVS
Nozzle Size:	2	2	2
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	4.5 MPH	3 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Simulated Newpath Drift to Rice

Trial ID: 07-WS-23
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
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							1-Jun-07	11-Jun-07	18-Jun-07	22-Jun-07	5-Jul-07	10-Jul-07
	Rating Data Type							Injury	Injury	Injury	Injury	Injury	Injury
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							7 7	17 3	24 10	28 14	41 3	46 8
	Trt-Eval Interval							7 DA-A	17 DA-A	10 DA-B	14 DA-B	27 DA-B	8 DA-C
1	Nontreated							0 b	0 b	0 c	0 c	0 c	0 c
2	Two- to three-leaf rice					EPOST	A	16 a	35 a	15 a	15 a	13 a	13 a
	Newpath	2	AS	0.5	FL OZ/A	EPOST	A						
	Agri-Dex		L	4	FL OZ/A	EPOST	A						
3	Two- to three-leaf rice					EPOST	A	19 a	31 a	9 b	9 b	6 b	6 b
	Newpath	2	AS	0.25	FL OZ/A	EPOST	A						
	Agri-Dex		L	4	FL OZ/A	EPOST	A						
4	One-tiller rice					LPOST	B			8 b	18 a	4 b	4 b
	Newpath	2	AS	0.5	FL OZ/A	LPOST	B						
	Agri-Dex		L	4	FL OZ/A	LPOST	B						
5	One-tiller rice					LPOST	B			5 b	10 b	0 c	0 c
	Newpath	2	AS	0.25	FL OZ/A	LPOST	B						
	Agri-Dex		L	4	FL OZ/A	LPOST	B						
6	Panicle differentiation					PD	C						6 b
	Newpath	2	AS	0.5	FL OZ/A	PD	C						
	Agri-Dex		L	4	FL OZ/A	PD	C						
7	Panicle differentiation					PD	C						6 b
	Newpath	2	AS	0.25	FL OZ/A	PD	C						
	Agri-Dex		L	4	FL OZ/A	PD	C						
	Standard Deviation							1.9	9.5	3.2	2.7	2.2	2.3
	CV							15.97	43.19	43.62	26.72	48.64	45.43

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12
	Crop Name							Rice	Rice	Rice	Rice	Rice	Rice
	Rating Date							16-Jul-07	30-Jul-07	1-Jun-07	11-Jun-07	18-Jun-07	25-Jun-07
	Rating Data Type							Injury	Injury	Height	Height	Height	Height
	Rating Unit							%	%	cm	cm	cm	cm
	Days After First/Last Applic.							52 14	66 28	7 7	17 3	24 10	31 17
	Trt-Eval Interval							14 DA-C	28 DA-C	7 DA-A	17 DA-A	10 DA-B	17 DA-B
1	Nontreated							0 d	0 e	18 a	22 a	29 a	56 a
2	Two- to three-leaf rice					EPOST	A	9 b	8 c	15 b	17 a	25 a	51 a
	Newpath	2	AS	0.5	FL OZ/A	EPOST	A						
	Agri-Dex		L	4	FL OZ/A	EPOST	A						
3	Two- to three-leaf rice					EPOST	A	6 bc	5 cd	15 b	21 a	27 a	50 a
	Newpath	2	AS	0.25	FL OZ/A	EPOST	A						
	Agri-Dex		L	4	FL OZ/A	EPOST	A						
4	One-tiller rice					LPOST	B	3 cd	3 de			23 a	49 a
	Newpath	2	AS	0.5	FL OZ/A	LPOST	B						
	Agri-Dex		L	4	FL OZ/A	LPOST	B						
5	One-tiller rice					LPOST	B	0 d	3 de			27 a	55 a
	Newpath	2	AS	0.25	FL OZ/A	LPOST	B						
	Agri-Dex		L	4	FL OZ/A	LPOST	B						
6	Panicle differentiation					PD	C	26 a	59 a				
	Newpath	2	AS	0.5	FL OZ/A	PD	C						
	Agri-Dex		L	4	FL OZ/A	PD	C						
7	Panicle differentiation					PD	C	25 a	54 b				
	Newpath	2	AS	0.25	FL OZ/A	PD	C						
	Agri-Dex		L	4	FL OZ/A	PD	C						
	Standard Deviation							2.8	2.9	1.5	2.5	2.8	4.1
	CV							28.6	15.82	9.27	12.24	10.76	7.93

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Simulated Newpath Drift to Rice

Trial ID: 07-WS-23
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Rice 12-Sep-07 Height cm 110 72 72 DA-C 13	Rice 50% Head DAE 15	Rice 1-Oct-07 Yield bu/A 18
1	Nontreated							40 a	88 d	195 a
2	Two- to three-leaf rice					EPOST	A	40 a	89 c	172 c
	Newpath	2	AS	0.5	FL OZ/A	EPOST	A			
	Agri-Dex		L	4	FL OZ/A	EPOST	A			
3	Two- to three-leaf rice					EPOST	A	41 a	89 c	191 ab
	Newpath	2	AS	0.25	FL OZ/A	EPOST	A			
	Agri-Dex		L	4	FL OZ/A	EPOST	A			
4	One-tiller rice					LPOST	B	39 a	88 d	181 bc
	Newpath	2	AS	0.5	FL OZ/A	LPOST	B			
	Agri-Dex		L	4	FL OZ/A	LPOST	B			
5	One-tiller rice					LPOST	B	40 a	88 d	180 bc
	Newpath	2	AS	0.25	FL OZ/A	LPOST	B			
	Agri-Dex		L	4	FL OZ/A	LPOST	B			
6	Panicle differentiation					PD	C	31 c	101 a	127 e
	Newpath	2	AS	0.5	FL OZ/A	PD	C			
	Agri-Dex		L	4	FL OZ/A	PD	C			
7	Panicle differentiation					PD	C	34 b	94 b	157 d
	Newpath	2	AS	0.25	FL OZ/A	PD	C			
	Agri-Dex		L	4	FL OZ/A	PD	C			
Standard Deviation								1.7	0.7	7.7
CV								4.5	0.81	4.47

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
Location: DREC

Objectives:
To compare the efficacy of Ricepro to SuperWham plus Facet tank mixtures.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 20-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** SEBEX *Sesbania exaltata*
Common Name: Hemp sesbania

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

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

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 9-May-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

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	24-May-07
Time of Day:	7:30 pm
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	LCV, JAB
Air Temperature, Unit:	80 F
% Relative Humidity:	55
Wind Velocity, Unit:	4 MPH
Wind Direction:	E
Dew Presence (Y/N):	N
Soil Temperature, Unit:	74 F
Soil Moisture:	Adequate
% Cloud Cover:	60

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	2 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	5 IN
Height Minimum, Maximum:	4 5

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
Location: DREC

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	4.5 FT2
Pest 2 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	2 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	9 FT2
Pest 3 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	1 leaf
Stage Minimum, Percent:	1 leaf
Stage Maximum, Percent:	1 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	2.5 FT2
Pest 4 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	1 leaf
Stage Minimum, Percent:	1 leaf
Stage Maximum, Percent:	1 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	3 FT2

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	32 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Carrier:	Water
Spray Volume, Unit:	15 GPA

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
Location: DREC

Date	By	Notes
31-May-07	JAB	All treatments worked well at this evaluation. Some treatments were weaker on IPOLA. Ricepro with no surfactant was weak.
7-Jun-07	JAB	Some coverage problems on weeds growing in drill rows.
20-Jun-07	JAB	IPOLA and IPOHE control went up due to flood. All treatments looked good at this evaluation. Injury was slight height reduction.
18-Jul-07	JAB	IPOLA and IPOHE were killed by flood.

Date	By	Deviations
20-Sep-07	JAB	Unable to harvest Nontreated plots.

Reasons: Plots were overgrown with SEBEX.

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
Location: DREC

Pest Code														
Rating Date								31-May-07	7-Jun-07	20-Jun-07	18-Jul-07	ECHCG 31-May-07	ECHCG 7-Jun-07	ECHCG 20-Jun-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	14 14	27 27	55 55	7 7	14 14	27 27
Trt-Eval Interval								7 DA-A	14 DA-A	27 DA-A	55 DA-A	7 DA-A	14 DA-A	27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	Nontreated							0 d	0 b	0 b	0 a	0 d	0 b	0 b
2	Ricepro	4	SC	4	QT/A	EPOST	A	3 bc	3 ab	0 b	0 a	97 ab	98 a	96 a
	Agri-Dex		L	1	QT/A	EPOST	A							
3	SuperWham	4	SC	4	QT/A	EPOST	A	8 a	5 a	1 b	0 a	97 ab	98 a	98 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
4	Ricepro	4	SC	4	QT/A	EPOST	A	4 b	2 ab	0 b	0 a	97 ab	98 a	97 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
5	SuperWham	4	SC	4	QT/A	EPOST	A	7 a	5 a	2 a	0 a	98 a	98 a	97 a
	Facet	75	DF	0.5	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
6	Ricepro	4	SC	2	QT/A	EPOST	A	2 bcd	1 b	0 b	0 a	97 ab	98 a	98 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
7	SuperWham	4	SC	2	QT/A	EPOST	A	2 bcd	2 ab	2 a	0 a	95 bc	98 a	98 a
	Facet	75	DF	0.375	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
8	Ricepro	4	SC	4	QT/A	EPOST	A	1 cd	3 ab	0 b	0 a	93 c	98 a	96 a
Standard Deviation								1.6	2.1	0.9	0.0	2.0	0.0	1.5
CV								49.66	81.18	137.73	0.0	2.39	0.0	1.73

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Pest Code								ECHCG	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA	IPOLA
Rating Date								18-Jul-07	31-May-07	7-Jun-07	20-Jun-07	18-Jul-07	31-May-07	7-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								55 55	7 7	14 14	27 27	55 55	7 7	14 14
Trt-Eval Interval								55 DA-A	7 DA-A	14 DA-A	27 DA-A	55 DA-A	7 DA-A	14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Nontreated							0 b	0 e	0 c	0 b	0 c	0 e	0 d
2	Ricepro	4	SC	4	QT/A	EPOST	A	97 a	85 c	88 b	95 a	91 b	79 c	88 c
	Agri-Dex		L	1	QT/A	EPOST	A							
3	SuperWham	4	SC	4	QT/A	EPOST	A	98 a	96 a	97 a	98 a	98 a	95 ab	95 ab
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
4	Ricepro	4	SC	4	QT/A	EPOST	A	94 a	92 ab	97 a	98 a	98 a	93 ab	96 ab
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
5	SuperWham	4	SC	4	QT/A	EPOST	A	95 a	95 a	98 a	98 a	98 a	98 a	98 a
	Facet	75	DF	0.5	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
6	Ricepro	4	SC	2	QT/A	EPOST	A	90 a	89 bc	93 ab	98 a	98 a	90 b	95 ab
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
7	SuperWham	4	SC	2	QT/A	EPOST	A	98 a	91 b	97 a	98 a	98 a	92 ab	93 ab
	Facet	75	DF	0.375	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
8	Ricepro	4	SC	4	QT/A	EPOST	A	88 a	79 d	89 b	95 a	95 ab	73 d	91 bc
Standard Deviation								6.4	2.7	3.6	2.3	3.4	4.0	3.3
CV								7.81	3.5	4.4	2.7	4.04	5.13	4.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Comparison of Ricepro Premix and SuperWham Plus Facet Tank Mixtures

Trial ID: 07-WS-24
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	23
Pest Code								IPOLA	IPOLA	IPOHE	IPOHE	IPOHE	IPOHE	
Rating Date								20-Jun-07	18-Jul-07	31-May-07	7-Jun-07	20-Jun-07	18-Jul-07	20-Sep-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Yield
Rating Unit								%	%	%	%	%	%	bu/A
Days After First/Last Applic.								27 27	55 55	7 7	14 14	27 27	55 55	
Trt-Eval Interval								27 DA-A	55 DA-A	7 DA-A	14 DA-A	27 DA-A	55 DA-A	
1	Nontreated							0 b	23 b	0 d	0 c	0 c	47 b	
2	Ricepro	4	SC	4	QT/A	EPOST	A	99 a	98 a	86 b	91 b	98 a	99 a	178 a
	Agri-Dex		L	1	QT/A	EPOST	A							
3	SuperWham	4	SC	4	QT/A	EPOST	A	99 a	98 a	95 a	98 a	98 ab	98 a	174 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
4	Ricepro	4	SC	4	QT/A	EPOST	A	97 a	98 a	95 a	97 a	97 b	98 a	174 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
5	SuperWham	4	SC	4	QT/A	EPOST	A	98 a	98 a	97 a	97 a	98 ab	98 a	170 a
	Facet	75	DF	0.5	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
6	Ricepro	4	SC	2	QT/A	EPOST	A	98 a	98 a	93 a	94 ab	98 ab	98 a	173 a
	Facet	75	DF	0.25	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
7	SuperWham	4	SC	2	QT/A	EPOST	A	98 a	98 a	93 a	95 ab	98 ab	98 a	175 a
	Facet	75	DF	0.375	LB/A	EPOST	A							
	Agri-Dex		L	1	QT/A	EPOST	A							
8	Ricepro	4	SC	4	QT/A	EPOST	A	98 a	98 a	79 c	94 ab	98 ab	98 a	175 a
Standard Deviation								1.8	15.9	4.1	2.9	0.6	19.7	7.0
CV								2.06	17.96	5.11	3.52	0.64	21.45	3.99

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-25
Location: DREC

Objectives:
To document potential for residual weed control from herbicides applied in tank mixtures with propanil.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocdrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: adequate **Emergence Date:** 15-May-07
Harvest Equipment: NA

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

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.	10-May-07	Command	3	ME	1.33	PT/A	Y
2.	10-May-07	Agri-Dex		L	1	QT/A	Y
3.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
4.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-25
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	30-May-07
Time of Day:	6:30 am
Application Method:	Broadcast
Application Timing:	MPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	73 F
% Relative Humidity:	77
Wind Velocity, Unit:	5 MPH
Wind Direction:	E
Dew Presence (Y/N):	N
Soil Temperature, Unit:	74 F
Soil Moisture:	Adequate
% Cloud Cover:	100

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	4 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	4 leaf
Height, Unit:	7 IN
Height Minimum, Maximum:	6 7

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-25
Location: DREC

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	4 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	4 leaf
Height, Unit:	4 IN
Height Minimum, Maximum:	3 5
Density, Unit:	14 FT2
Pest 2 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	3 IN
Height Minimum, Maximum:	3 3
Density, Unit:	1 FT2
Pest 3 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	3 IN
Height Minimum, Maximum:	3 3
Density, Unit:	1 FT2

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 Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
6-Jun-07	JAB	New emergence of IPOLA in some plots. Some coverage problems on weeds growing in drill rows.
29-Jun-07	JAB	IPOLA and IPOHE control went up due to flood.

Date	By	Deviations
30-May-07	JAB	Change EPOST to MPOST.

Reasons: Few weeds emerged at EPOST timing.

Date	By	Deviations
18-Sep-07	JAB	Unable to harvest trial.

Reasons: Over half of plots were overgrown with SEBEX.

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-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 Code												SEBEX	SEBEX	SEBEX
Rating Date								5-Jun-07	9-Jun-07	29-Jun-07	3-Aug-07	5-Jun-07	9-Jun-07	29-Jun-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								6 6	10 10	30 30	65 65	6 6	10 10	30 30
Trt-Eval Interval								6 DA-A	10 DA-A	30 DA-A	65 DA-A	6 DA-A	10 DA-A	30 DA-A
1	Nontreated							0 a	0 a	0 b	0 a	0 f	0 f	0 c
2	SuperWham	4	SC	2	QT/A	MPOST	A	1 a	0 a	0 b	0 a	94 a	93 ab	97 a
	Londax	60	DF	1	OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
3	SuperWham	4	SC	2	QT/A	MPOST	A	1 a	0 a	0 b	0 a	93 a	93 ab	98 a
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A							
4	SuperWham	4	SC	2	QT/A	MPOST	A	0 a	0 a	0 b	0 a	94 a	94 a	99 a
	Grasp	2	SC	2	FL OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
5	SuperWham	4	SC	2	QT/A	MPOST	A	0 a	0 a	0 b	0 a	94 a	91 ab	99 a
	Permit	75	WG	0.67	OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
6	Ricepro	4	SC	2	QT/A	MPOST	A	1 a	0 a	0 b	0 a	93 a	94 a	99 a
	Facet	75	DF	0.25	LB/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
7	Aim	2	EC	1	FL OZ/A	MPOST	A	0 a	0 a	0 b	0 a	89 ab	90 ab	98 a
	Permit	75	WG	0.67	OZ/A	MPOST	A							
	Induce		L	4.8	FL OZ/A	MPOST	A							
8	Storm	4	L	1.5	PT/A	MPOST	A	1 a	0 a	0 b	0 a	85 b	85 bc	90 a
	Agri-Dex		L	0.6	QT/A	MPOST	A							
9	Facet	75	DF	0.375	LB/A	MPOST	A	0 a	0 a	0 b	0 a	46 d	51 d	61 b
	Agri-Dex		L	1	QT/A	MPOST	A							
10	Regiment	80	WP	0.5	OZ/A	MPOST	A	0 a	0 a	3 a	0 a	88 ab	88 ab	98 a
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A							
11	Grasp	2	SC	2	FL OZ/A	MPOST	A	0 a	0 a	0 b	0 a	79 c	79 c	86 a
	Agri-Dex		L	1	QT/A	MPOST	A							
12	Londax	60	DF	1	OZ/A	MPOST	A	0 a	0 a	0 b	0 a	39 e	39 e	58 b
	Agri-Dex		L	1	QT/A	MPOST	A							
Standard Deviation								1.5	0.0	0.8	0.0	4.1	5.3	8.0
CV								351.62	0.0	400.0	0.0	5.46	7.07	9.73

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-25
Location: DREC

Pest Code								SEBEX	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE	IPOHE
Rating Date								3-Aug-07	5-Jun-07	9-Jun-07	29-Jun-07	3-Aug-07	5-Jun-07	9-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								65 65	6 6	10 10	30 30	65 65	6 6	10 10
Trt-Eval Interval								65 DA-A	6 DA-A	10 DA-A	30 DA-A	65 DA-A	6 DA-A	10 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Nontreated							0 d	0 e	0 e	0 c	0 e	0 f	0 e
2	SuperWham	4	SC	2	QT/A	MPOST	A	97 a	81 a	84 ab	99 a	98 a	84 abc	86 ab
	Londax	60	DF	1	OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
3	SuperWham	4	SC	2	QT/A	MPOST	A	97 a	78 abc	79 abc	99 a	98 a	85 ab	85 ab
	Regiment	80	WP	0.5	OZ/A	MPOST	A							
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A							
4	SuperWham	4	SC	2	QT/A	MPOST	A	99 a	80 ab	80 abc	97 a	99 a	84 abc	86 ab
	Grasp	2	SC	2	FL OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
5	SuperWham	4	SC	2	QT/A	MPOST	A	97 a	86 a	86 a	99 a	99 a	88 ab	88 ab
	Permit	75	WG	0.67	OZ/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
6	Ricepro	4	SC	2	QT/A	MPOST	A	99 a	84 a	84 ab	99 a	99 a	89 a	90 a
	Facet	75	DF	0.25	LB/A	MPOST	A							
	Agri-Dex		L	1	QT/A	MPOST	A							
7	Aim	2	EC	1	FL OZ/A	MPOST	A	99 a	79 abc	84 ab	98 a	99 a	90 a	90 a
	Permit	75	WG	0.67	OZ/A	MPOST	A							
	Induce		L	4.8	FL OZ/A	MPOST	A							
8	Storm	4	L	1.5	PT/A	MPOST	A	77 b	85 a	85 ab	97 a	91 bc	81 abc	86 ab
	Agri-Dex		L	0.6	QT/A	MPOST	A							
9	Facet	75	DF	0.375	LB/A	MPOST	A	59 c	69 cd	75 bcd	97 a	89 c	66 de	74 cd
	Agri-Dex		L	1	QT/A	MPOST	A							
10	Regiment	80	WP	0.5	OZ/A	MPOST	A	99 a	78 abc	79 abc	98 a	99 a	78 bc	81 bc
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A							
11	Grasp	2	SC	2	FL OZ/A	MPOST	A	85 ab	70 bcd	73 cd	97 a	95 ab	74 cd	74 cd
	Agri-Dex		L	1	QT/A	MPOST	A							
12	Londax	60	DF	1	OZ/A	MPOST	A	50 c	63 d	66 d	90 b	84 d	63 e	73 d
	Agri-Dex		L	1	QT/A	MPOST	A							
Standard Deviation								10.5	6.5	6.4	1.6	3.1	6.5	5.2
CV								13.17	9.14	8.8	1.81	3.57	8.83	6.88

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
SuperWham Tank-mixes for Residual Broadleaf Weed Control in Rice

Trial ID: 07-WS-25
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOHE 29-Jun-07 Control % 30 30 30 DA-A 15		IPOHE 3-Aug-07 Control % 65 65 65 DA-A 16	
1	Nontreated							0	c	0	e
2	SuperWham	4	SC	2	QT/A	MPOST	A	99	a	98	a
	Londax	60	DF	1	OZ/A	MPOST	A				
	Agri-Dex		L	1	QT/A	MPOST	A				
3	SuperWham	4	SC	2	QT/A	MPOST	A	99	a	98	a
	Regiment	80	WP	0.5	OZ/A	MPOST	A				
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A				
4	SuperWham	4	SC	2	QT/A	MPOST	A	98	a	99	a
	Grasp	2	SC	2	FL OZ/A	MPOST	A				
	Agri-Dex		L	1	QT/A	MPOST	A				
5	SuperWham	4	SC	2	QT/A	MPOST	A	99	a	99	a
	Permit	75	WG	0.67	OZ/A	MPOST	A				
	Agri-Dex		L	1	QT/A	MPOST	A				
6	Ricepro	4	SC	2	QT/A	MPOST	A	99	a	99	a
	Facet	75	DF	0.25	LB/A	MPOST	A				
	Agri-Dex		L	1	QT/A	MPOST	A				
7	Aim	2	EC	1	FL OZ/A	MPOST	A	98	a	99	a
	Permit	75	WG	0.67	OZ/A	MPOST	A				
	Induce		L	4.8	FL OZ/A	MPOST	A				
8	Storm	4	L	1.5	PT/A	MPOST	A	97	a	91	bc
	Agri-Dex		L	0.6	QT/A	MPOST	A				
9	Facet	75	DF	0.375	LB/A	MPOST	A	97	a	89	c
	Agri-Dex		L	1	QT/A	MPOST	A				
10	Regiment	80	WP	0.5	OZ/A	MPOST	A	98	a	99	a
	Dyne-A-Pak		L	28.8	FL OZ/A	MPOST	A				
11	Grasp	2	SC	2	FL OZ/A	MPOST	A	97	a	95	ab
	Agri-Dex		L	1	QT/A	MPOST	A				
12	Londax	60	DF	1	OZ/A	MPOST	A	90	b	84	d
	Agri-Dex		L	1	QT/A	MPOST	A				
Standard Deviation								1.2		3.1	
CV								1.39		3.57	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Objectives:
To evaluate the efficacy of Ricebeau applied alone and in tank mixtures with Command.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 19-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** SEBEX *Sesbania exaltata*
Common Name: Hemp sesbania

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

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

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	24-May-07
Time of Day:	7:00 pm
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	80 F
% Relative Humidity:	55
Wind Velocity, Unit:	4 MPH
Wind Direction:	E
Dew Presence (Y/N):	N
Soil Temperature, Unit:	74 F
Soil Moisture:	Adequate
% Cloud Cover:	60

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	2 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	5 IN
Height Minimum, Maximum:	4 5

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	35 FT2
Pest 2 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	2 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	9 FT2
Pest 3 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	1 leaf
Stage Minimum, Percent:	1 leaf
Stage Maximum, Percent:	1 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	2 FT2
Pest 4 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	1 leaf
Stage Minimum, Percent:	1 leaf
Stage Maximum, Percent:	1 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	2 FT2

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	32 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
31-May-07	JAB	Broadleaf weeds were severely injured. Some treatments were weak on IPOLA.
18-Jul-07	JAB	Command plus Agri-Dex worked well on grasses. New emergence and regrowth of IPOLA. Agri-Dex burned SEBEX in Command plots. Some coverage problems on weeds growing in drill rows.
20-Jun-07	JAB	IPOLA and IPOHE control went up due to flood. 4 lb ai/A should be target rate. Injury was slight height reduction. A high percentage of IPOLA and IPOHE were killed by flood.

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	31-May-07 Rice Injury % 7 7 7 DA-A 1	7-Jun-07 Rice Injury % 14 14 14 DA-A 2	20-Jun-07 Rice Injury % 27 27 27 DA-A 3	18-Jul-07 Rice Injury % 55 55 55 DA-A 4	ECHGG 31-May-07 Control % 7 7 7 DA-A 5	ECHGG 7-Jun-07 Control % 14 14 14 DA-A 6	ECHGG 20-Jun-07 Control % 27 27 27 DA-A 7
1	Nontreated							0 g	0 a	0 a	0 a	0 d	0 c	0 e
2	Command	3	ME	1.33	PT/A	EPOST	A	1 fg	3 a	0 a	0 a	92 c	93 ab	90 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	Ricebeau	6	EC	1.33	QT/A	EPOST	A	4 def	3 a	0 a	0 a	95 abc	88 b	78 d
4	Ricebeau	6	EC	2	QT/A	EPOST	A	8 abc	0 a	0 a	0 a	93 bc	92 ab	81 cd
5	Ricebeau	6	EC	2.67	QT/A	EPOST	A	7 a-d	3 a	0 a	0 a	95 abc	94 ab	85 bcd
6	Command	3	ME	0.333	PT/A	EPOST	A	3 efg	1 a	1 a	0 a	95 abc	92 ab	92 ab
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
7	Command	3	ME	0.67	PT/A	EPOST	A	3 efg	3 a	0 a	0 a	95 abc	95 a	90 abc
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
8	Command	3	ME	1.33	PT/A	EPOST	A	5 b-e	3 a	1 a	0 a	95 abc	97 a	95 a
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
9	Command	3	ME	0.333	PT/A	EPOST	A	5 c-f	4 a	1 a	0 a	96 abc	96 a	91 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
10	Command	3	ME	0.67	PT/A	EPOST	A	5 b-e	3 a	0 a	0 a	96 abc	98 a	91 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
11	Command	3	ME	1.33	PT/A	EPOST	A	8 abc	5 a	1 a	0 a	96 abc	97 a	95 a
	Ricebeau	6	EC	2	QT/A	EPOST	A							
12	Command	3	ME	0.333	PT/A	EPOST	A	9 a	5 a	2 a	0 a	97 a	96 a	95 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
13	Command	3	ME	0.67	PT/A	EPOST	A	8 ab	4 a	3 a	0 a	96 abc	98 a	93 ab
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
14	Command	3	ME	1.33	PT/A	EPOST	A	8 abc	1 a	1 a	0 a	97 ab	98 a	94 ab
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
15	Command	3	ME	1.33	PT/A	EPOST	A	1 fg	0 a	0 a	0 a	93 c	98 a	93 ab
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
Standard Deviation								2.2	2.7	1.3	0.0	2.3	3.8	5.6
CV								44.53	110.46	197.86	0.0	2.58	4.24	6.66

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Pest Code								ECHCG	DIGSA	DIGSA	DIGSA	SEBEX	SEBEX	SEBEX
Rating Date								18-Jul-07	7-Jun-07	20-Jun-07	18-Jul-07	31-May-07	7-Jun-07	20-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								55 55	14 14	27 27	55 55	7 7	14 14	27 27
Trt-Eval Interval								55 DA-A	14 DA-A	27 DA-A	55 DA-A	7 DA-A	14 DA-A	27 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9	10	11	12	13	14
1	Nontreated							0 e	0 c	0 d	0 b	0 c	0 d	0 c
2	Command	3	ME	1.33	PT/A	EPOST	A	92 a	95 b	91 c	96 a	38 b	10 d	0 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	Ricebeau	6	EC	1.33	QT/A	EPOST	A	61 d	95 b	91 c	97 a	90 a	90 ab	90 ab
4	Ricebeau	6	EC	2	QT/A	EPOST	A	61 d	96 ab	93 bc	97 a	88 a	90 ab	91 ab
5	Ricebeau	6	EC	2.67	QT/A	EPOST	A	65 cd	97 ab	93 bc	97 a	93 a	93 ab	90 b
6	Command	3	ME	0.333	PT/A	EPOST	A	75 bc	95 b	95 ab	97 a	84 a	81 b	93 ab
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
7	Command	3	ME	0.67	PT/A	EPOST	A	86 ab	97 ab	94 abc	97 a	86 a	85 ab	90 b
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
8	Command	3	ME	1.33	PT/A	EPOST	A	94 a	97 ab	95 ab	97 a	83 a	84 ab	91 ab
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
9	Command	3	ME	0.333	PT/A	EPOST	A	85 ab	97 ab	95 ab	98 a	89 a	90 ab	95 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
10	Command	3	ME	0.67	PT/A	EPOST	A	85 ab	98 a	96 a	98 a	89 a	94 ab	94 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
11	Command	3	ME	1.33	PT/A	EPOST	A	97 a	98 a	95 ab	98 a	89 a	95 a	95 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
12	Command	3	ME	0.333	PT/A	EPOST	A	83 ab	97 ab	95 ab	97 a	91 a	91 ab	98 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
13	Command	3	ME	0.67	PT/A	EPOST	A	91 a	98 a	95 ab	98 a	91 a	93 ab	94 ab
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
14	Command	3	ME	1.33	PT/A	EPOST	A	94 a	98 a	95 ab	98 a	91 a	93 ab	92 ab
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
15	Command	3	ME	1.33	PT/A	EPOST	A	93 a	98 a	95 ab	97 a	5 c	25 c	0 c
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
Standard Deviation								8.7	1.8	1.6	1.3	10.4	7.5	4.9
CV								11.27	2.03	1.81	1.48	14.11	10.12	6.66

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Pest Code								SEBEX	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE	IPOHE
Rating Date								18-Jul-07	31-May-07	7-Jun-07	20-Jun-07	18-Jul-07	31-May-07	7-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								55 55	7 7	14 14	27 27	55 55	7 7	14 14
Trt-Eval Interval								55 DA-A	7 DA-A	14 DA-A	27 DA-A	55 DA-A	7 DA-A	14 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	15	16	17	18	19	20	21
1	Nontreated							0 b	0 c	0 e	0 c	0 c	0 e	0 d
2	Command	3	ME	1.33	PT/A	EPOST	A	0 b	0 c	0 e	0 c	90 b	0 e	0 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
3	Ricebeau	6	EC	1.33	QT/A	EPOST	A	95 a	70 ab	74 bcd	91 a	98 a	71 bcd	76 abc
4	Ricebeau	6	EC	2	QT/A	EPOST	A	97 a	74 ab	78 abc	87 a	94 ab	76 abc	78 ab
5	Ricebeau	6	EC	2.67	QT/A	EPOST	A	90 a	58 b	81 ab	88 a	98 a	81 ab	81 a
6	Command	3	ME	0.333	PT/A	EPOST	A	95 a	64 ab	68 d	80 a	98 a	68 cd	70 bc
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
7	Command	3	ME	0.67	PT/A	EPOST	A	92 a	69 ab	70 cd	83 a	94 ab	76 abc	70 bc
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
8	Command	3	ME	1.33	PT/A	EPOST	A	89 a	61 ab	68 d	90 a	98 a	64 d	68 c
	Ricebeau	6	EC	1.33	QT/A	EPOST	A							
9	Command	3	ME	0.333	PT/A	EPOST	A	98 a	76 ab	79 abc	90 a	98 a	81 ab	79 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
10	Command	3	ME	0.67	PT/A	EPOST	A	98 a	76 ab	78 abc	93 a	98 a	80 ab	78 ab
	Ricebeau	6	EC	2	QT/A	EPOST	A							
11	Command	3	ME	1.33	PT/A	EPOST	A	98 a	78 a	85 a	95 a	98 a	83 a	85 a
	Ricebeau	6	EC	2	QT/A	EPOST	A							
12	Command	3	ME	0.333	PT/A	EPOST	A	92 a	70 ab	74 bcd	98 a	98 a	80 ab	70 bc
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
13	Command	3	ME	0.67	PT/A	EPOST	A	98 a	75 ab	79 abc	89 a	98 a	76 abc	79 ab
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
14	Command	3	ME	1.33	PT/A	EPOST	A	94 a	79 a	84 a	92 a	98 a	80 ab	84 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A							
15	Command	3	ME	1.33	PT/A	EPOST	A	0 b	0 c	0 e	24 b	90 b	0 e	0 d
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	A							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
Standard Deviation								6.3	11.0	5.9	13.7	3.4	6.3	6.1
CV								8.29	19.34	9.73	18.73	3.74	10.35	9.96

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Applications of Ricebeau Plus Command

Trial ID: 07-WS-26
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOHE 20-Jun-07 Control % 27 27 27 DA-A 22	IPOHE 18-Jul-07 Control % 55 55 55 DA-A 23	19-Sep-07 Yield bu/A 26
1	Nontreated							0 c	0 c	50 c
2	Command	3	ME	1.33	PT/A	EPOST	A	0 c	90 b	139 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
3	Ricebeau	6	EC	1.33	QT/A	EPOST	A	94 a	98 a	162 a
4	Ricebeau	6	EC	2	QT/A	EPOST	A	93 a	98 a	169 a
5	Ricebeau	6	EC	2.67	QT/A	EPOST	A	88 a	98 a	163 a
6	Command	3	ME	0.333	PT/A	EPOST	A	84 a	98 a	171 a
	Ricebeau	6	EC	1.33	QT/A	EPOST	A			
7	Command	3	ME	0.67	PT/A	EPOST	A	91 a	98 a	171 a
	Ricebeau	6	EC	1.33	QT/A	EPOST	A			
8	Command	3	ME	1.33	PT/A	EPOST	A	91 a	98 a	171 a
	Ricebeau	6	EC	1.33	QT/A	EPOST	A			
9	Command	3	ME	0.333	PT/A	EPOST	A	92 a	98 a	168 a
	Ricebeau	6	EC	2	QT/A	EPOST	A			
10	Command	3	ME	0.67	PT/A	EPOST	A	94 a	98 a	167 a
	Ricebeau	6	EC	2	QT/A	EPOST	A			
11	Command	3	ME	1.33	PT/A	EPOST	A	95 a	98 a	171 a
	Ricebeau	6	EC	2	QT/A	EPOST	A			
12	Command	3	ME	0.333	PT/A	EPOST	A	98 a	98 a	174 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A			
13	Command	3	ME	0.67	PT/A	EPOST	A	94 a	98 a	173 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A			
14	Command	3	ME	1.33	PT/A	EPOST	A	95 a	98 a	175 a
	Ricebeau	6	EC	2.67	QT/A	EPOST	A			
15	Command	3	ME	1.33	PT/A	EPOST	A	24 b	90 b	155 ab
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	A			
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A			
Standard Deviation								12.9	0.0	13.4
CV								17.05	0.0	8.48

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Objectives:
To evalauate Ricebeau and Ricepro as components of a Clearfield rice weed management program.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 15-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: Adequate **Emergence Date:** 22-May-07
Harvest Equipment: NA

Pest Description

Pest 1 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

Pest 3 Type: W **Code:** ORYSA *Oryza sativa*
Common Name: Red rice

Pest 4 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:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	31-May-07	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	31-May-07	Prowl H2O	3.8	CS	2.1	PT/A	Y
4.	31-May-07	Agri-Dex		L	1	QT/A	Y
5.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
7.	10-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
8.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-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

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood

Application Description

	A	B
Application Date:	30-May-07	12-Jun-07
Time of Day:	10:00 am	8:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	83 F	83 F
% Relative Humidity:	55	60
Wind Velocity, Unit:	2 MPH	1 MPH
Wind Direction:	W	NW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	74 F	75 F
Soil Moisture:	Mud	Mud
% Cloud Cover:	25	5

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	2 tiller
Stage Minimum, Percent:	2 leaf	1 tiller
Stage Maximum, Percent:	2 leaf	2 tiller
Height, Unit:	5 IN	11 IN
Height Minimum, Maximum:	4 5	10 11

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:	2 leaf	7 leaf
Stage Minimum, Percent:	2 leaf	6 leaf
Stage Maximum, Percent:	2 leaf	7 leaf
Height, Unit:	2 IN	5 IN
Height Minimum, Maximum:	2 2	3 6
Density, Unit:	4 FT2	3 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:	2 leaf	7 leaf
Stage Minimum, Percent:	2 leaf	6 leaf
Stage Maximum, Percent:	2 leaf	8 leaf
Height, Unit:	3 IN	8 IN
Height Minimum, Maximum:	2 3	7 9
Density, Unit:	7 FT2	5 FT2
Pest 3 Code, Disc., Scale:	ORYSA W	ORYSA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	4 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	5 IN	7 IN
Height Minimum, Maximum:	4 5	6 7
Density, Unit:	1 FT2	2 FT2
Pest 4 Code, Disc., Scale:	LEFPA W	LEFPA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	3 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	0.5 IN	4 IN
Height Minimum, Maximum:	0.5 0.5	2 5
Density, Unit:	7 FT2	8 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	28 PSI	28 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Date	By	Notes
6-Jun-07	JAB	Ricebeau and Ricepro performed well on LEFPA. Some coverage problems on weeds growing in drill rows.
18-Jun-07	JAB	ORYSA and LEFPA populations were still adequate to evaluate even though Prowl H2O and Ricestar HT had been applied. Late Aim treatments performed poorly on SEBEX.
10-Jul-07	JAB	IPOLA control went up due to flood.
7-Aug-07	JAB	IPOLA was killed by flood.

Date	By	Deviations
28-Sep-07	JAB	Unable to harvest trial.

Reasons: Over half of plots were overgrown with SEBEX.

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5-Jun-07 Rice Injury %	12-Jun-07 Rice Injury %	18-Jun-07 Rice Injury %	26-Jun-07 Rice Injury %	10-Jul-07 Rice Injury %	7-Aug-07 Rice Injury %	18-Jun-07 ORYSA Control %
	Pest Code													ORYSA
	Rating Date							5-Jun-07	12-Jun-07	18-Jun-07	26-Jun-07	10-Jul-07	7-Aug-07	18-Jun-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							6 6	13 0	19 6	27 14	41 28	69 56	19 6
	Trt-Eval Interval							6 DA-A	13 DA-A	6 DA-B	14 DA-B	28 DA-B	56 DA-B	6 DA-B
								1	2	3	4	5	6	7
1	Nontreated							0 b	0 a	0 d	0 b	0 a	0 a	0 c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	0 d	0 b	0 a	0 a	90 ab
	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	5 a	1 a	0 d	0 b	0 a	0 a	91 ab
	Ricebeau	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							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	7 a	3 a	0 d	0 b	0 a	0 a	93 a
	Ricebeau	6	EC	3	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 b	0 a	4 b	1 b	0 a	0 a	89 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	8 a	4 a	0 a	0 a	90 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	5 a	1 a	0 d	0 b	0 a	0 a	91 ab
	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							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	2 cd	0 b	0 a	0 a	90 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	Clearpath	75	DF	0.5	LB/A	EPOST	A	1 b	0 a	0 d	0 b	0 a	0 a	86 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							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	0 d	0 b	0 a	0 a	90 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Clearpath	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
11	Newpath	2	AS	4	FL OZ/A	EPOST	A	1 b	0 a	0 d	0 b	0 a	0 a	89 ab
	Aim	2	EC	1	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							
12	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	3 bc	0 b	0 a	0 a	86 b
	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							
Standard Deviation								1.1	1.4	1.3	1.0	0.0	0.0	3.4
CV								72.36	324.04	97.28	244.95	0.0	0.0	4.15

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ORYSA 26-Jun-07 Control % 27 14 14 DA-B 8	ORYSA 10-Jul-07 Control % 41 28 28 DA-B 9	LEFPA 18-Jun-07 Control % 19 6 6 DA-B 10	LEFPA 26-Jun-07 Control % 27 14 14 DA-B 11	LEFPA 10-Jul-07 Control % 41 28 28 DA-B 12	SEBEX 5-Jun-07 Control % 6 6 6 DA-A 13	SEBEX 12-Jun-07 Control % 13 0 13 DA-A 14
1	Nontreated							0 d	0 d	0 h	0 e	0 d	0 d	0 d
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 bc	91 bc	33 g	36 cd	18 c	0 d	0 d
	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	93 abc	94 ab	93 ab	89 a	83 a	97 a	93 a
	Ricebeau	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							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	94 ab	95 a	94 a	90 a	86 a	97 a	94 a
	Ricebeau	6	EC	3	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	89 c	93 ab	75 cd	71 ab	59 b	0 d	0 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 abc	94 ab	78 bcd	90 a	84 a	0 d	0 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	95 a	96 a	90 abc	94 a	85 a	95 a	90 ab
	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							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	89 c	89 c	70 d	56 bc	56 b	0 d	0 d
	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	Clearpath	75	DF	0.5	LB/A	EPOST	A	90 bc	91 bc	30 g	20 de	16 c	58 c	69 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							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	92 abc	90 bc	52 ef	36 cd	28 c	0 d	0 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Clearpath	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
11	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 bc	93 ab	65 de	41 cd	30 c	86 b	86 b
	Aim	2	EC	1	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							
12	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 abc	91 bc	48 f	38 cd	26 c	0 d	0 d
	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							
Standard Deviation								2.6	2.2	10.3	14.3	10.9	2.4	3.0
CV								3.15	2.55	16.96	25.96	22.97	6.74	8.19

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

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 Code								SEBEX	SEBEX	SEBEX	SEBEX	IPOLA	IPOLA	IPOLA
Rating Date								18-Jun-07	26-Jun-07	10-Jul-07	7-Aug-07	5-Jun-07	12-Jun-07	18-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								19 6	27 14	41 28	69 56	6 6	13 0	19 6
Trt-Eval Interval								6 DA-B	14 DA-B	28 DA-B	56 DA-B	6 DA-A	13 DA-A	6 DA-B
1	Nontreated							0 d	0 d	0 e	0 e	0 d	0 d	0 e
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	3 d	0 d	0 e	0 e	19 c	12 c	54 d
	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	90 a	92 a	92 ab	89 ab	91 a	96 a	93 ab
	Ricebeau	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							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 a	97 a	96 ab	95 a	93 a	95 a	95 a
	Ricebeau	6	EC	3	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 a	94 a	94 ab	89 ab	18 c	3 cd	79 bc
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 a	95 a	97 a	97 a	19 c	9 cd	85 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 a	93 a	92 ab	96 a	88 a	91 a	93 ab
	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							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	91 a	93 a	94 ab	95 a	16 c	0 d	86 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	Clearpath	75	DF	0.5	LB/A	EPOST	A	78 b	78 bc	79 c	73 c	59 b	68 b	79 bc
	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							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	61 c	75 c	87 bc	82 b	18 c	6 cd	70 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Clearpath	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
11	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 a	83 b	83 c	91 a	93 a	90 a	94 ab
	Aim	2	EC	1	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							
12	Newpath	2	AS	4	FL OZ/A	EPOST	A	74 b	71 c	66 d	61 d	21 c	11 c	90 ab
	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							
Standard Deviation								4.1	5.4	5.6	6.0	3.9	6.6	9.4
CV								5.72	7.38	7.62	8.27	8.73	16.59	12.27

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricebeau and Ricepro in Clearfield Rice

Trial ID: 07-WS-27
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOLA 26-Jun-07 Control % 27 14 14 DA-B 22	IPOLA 10-Jul-07 Control % 41 28 28 DA-B 23	IPOLA 7-Aug-07 Control % 69 56 56 DA-B 24	AESVI 18-Jun-07 Control % 19 6 6 DA-B 25	AESVI 26-Jun-07 Control % 27 14 14 DA-B 26	AESVI 10-Jul-07 Control % 41 28 28 DA-B 27	AESVI 7-Aug-07 Control % 69 56 56 DA-B 28
1	Nontreated							0 e	0 c	0 c	0 c	0 d	0 e	0 e
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	23 d	90 b	90 b	0 c	0 d	0 e	0 e
	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	93 a	98 a	97 a	93 a	97 a	94 ab	91 ab
	Ricebeau	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							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	83 ab	97 a	96 a	89 a	97 a	96 a	96 a
	Ricebeau	6	EC	3	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	85 ab	98 a	95 a	91 a	97 ab	95 ab	87 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	93 a	98 a	97 a	94 a	97 ab	92 ab	91 ab
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Ricebeau	6	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	85 ab	97 a	97 a	84 a	97 ab	98 a	97 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							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	85 ab	97 a	97 a	91 a	97 ab	94 ab	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	Clearpath	75	DF	0.5	LB/A	EPOST	A	60 c	96 a	97 a	25 bc	94 c	81 c	79 bc
	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							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	64 bc	95 a	94 a	45 b	95 bc	86 bc	65 d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Clearpath	75	DF	0.5	LB/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
11	Newpath	2	AS	4	FL OZ/A	EPOST	A	60 c	97 a	96 a	26 bc	95 bc	91 ab	87 ab
	Aim	2	EC	1	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							
12	Newpath	2	AS	4	FL OZ/A	EPOST	A	58 c	96 a	95 a	28 bc	95 bc	73 d	73 cd
	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							
Standard Deviation								14.1	2.1	2.0	19.4	1.1	5.6	7.7
CV								21.47	2.39	2.31	35.0	1.34	7.5	10.72

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
Location: DREC - Red Rice Field

Objectives:
To evaluate Newpath tank mixtures for broadleaf weed control in Clearfield rice.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 15-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: adequate **Emergence Date:** 22-May-07
Harvest Equipment: NA

Pest Description

Pest 1 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

Pest 2 Type: W **Code:** AESVI *Aeschynomene virginica*
Common Name: Hemp sesbania

Pest 3 Type: W **Code:** ORYSA *Oryza sativa*
Common Name: Red rice

Pest 4 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:** Spring Stale Seedbed
Replications: 4 **Study Design:** Randomized Complete Block
% Slope: 0.1 **Soil Drainage:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	31-May-07	Ricestar HT	0.58	EC	17	FL OZ/A	Y
3.	31-May-07	Prowl H2O	3.8	CS	2.1	PT/A	Y
4.	31-May-07	Agri-Dex		L	1	QT/A	Y
5.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
7.	10-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
8.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-2007

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
Location: DREC - Red Rice Field

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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood

Application Description

	A	B
Application Date:	30-May-07	12-Jun-07
Time of Day:	9:00 am	8:30 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	MPOST
Application Placement:	Foliar	Foliar
Applied By:	LCV	JAB
Air Temperature, Unit:	83 F	83 F
% Relative Humidity:	55	60
Wind Velocity, Unit:	2 MPH	1 MPH
Wind Direction:	W	NW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	74 F	75 F
Soil Moisture:	Mud	Mud
% Cloud Cover:	25	5

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	2 tiller
Stage Minimum, Percent:	2 leaf	1 tiller
Stage Maximum, Percent:	2 leaf	2 tiller
Height, Unit:	5 IN	11 IN
Height Minimum, Maximum:	4 5	10 11

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
Location: DREC - Red Rice Field

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:	2 leaf	7 leaf
Stage Minimum, Percent:	2 leaf	6 leaf
Stage Maximum, Percent:	2 leaf	7 leaf
Height, Unit:	2 IN	5 IN
Height Minimum, Maximum:	2 2	3 6
Density, Unit:	4 FT2	3 FT2
Pest 2 Code, Disc., Scale:	AESVI W	AESVI W
Stage Majority, Percent:	2 leaf	7 leaf
Stage Minimum, Percent:	2 leaf	6 leaf
Stage Maximum, Percent:	2 leaf	8 leaf
Height, Unit:	3 IN	8 IN
Height Minimum, Maximum:	2 3	7 9
Density, Unit:	7 FT2	5 FT2
Pest 3 Code, Disc., Scale:	ORYSA W	ORYSA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	4 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	5 IN	7 IN
Height Minimum, Maximum:	4 5	6 7
Density, Unit:	1 FT2	2 FT2
Pest 4 Code, Disc., Scale:	LEFPA W	LEFPA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	3 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	0.5 IN	3.5 IN
Height Minimum, Maximum:	0.5 0.5	2 5
Density, Unit:	77 FT2	8 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	28 PSI	28 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
10-Jul-07	JAB	IPOLA control went up due to flood.
7-Aug-07	JAB	IPOLA killed by flood.

Date	By	Deviations
28-Sep-07	JAB	Unable to harvest trial.

Reasons: Over half of plots were overgrown with SEBEX.

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
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 Code												ORYSA	ORYSA	ORYSA
Rating Date								18-Jun-07	26-Jun-07	10-Jul-07	7-Aug-07	18-Jun-07	26-Jun-07	10-Jul-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								19 6	27 14	41 28	69 56	19 6	27 14	41 28
Trt-Eval Interval								6 DA-B	14 DA-B	28 DA-B	56 DA-B	6 DA-B	14 DA-B	28 DA-B
1	Nontreated							0 b	0 a	0 a	0 a	0 b	0 b	0 b
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	0 a	0 a	85 a	91 a	93 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	1 b	0 a	0 a	0 a	85 a	91 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	3 b	0 a	0 a	0 a	88 a	93 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 b	0 a	0 a	0 a	89 a	91 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Londax	60	DF	1	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 b	0 a	0 a	0 a	85 a	91 a	94 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	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 b	0 a	0 a	0 a	84 a	91 a	93 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	6 a	0 a	0 a	0 a	88 a	94 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	1 b	0 a	0 a	0 a	84 a	93 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	3 b	0 a	0 a	0 a	86 a	93 a	94 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								2.1	0.0	0.0	0.0	3.4	2.7	1.8
CV								149.69	0.0	0.0	0.0	4.44	3.21	2.09

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
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	13	14
Pest Code								LEFPA	LEFPA	LEFPA	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								18-Jun-07	26-Jun-07	10-Jul-07	18-Jun-07	26-Jun-07	10-Jul-07	7-Aug-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								19 6	27 14	41 28	19 6	27 14	41 28	69 56
Trt-Eval Interval								6 DA-B	14 DA-B	28 DA-B	6 DA-B	14 DA-B	28 DA-B	56 DA-B
1	Nontreated							0 d	0 f	0 d	0 e	0 e	0 d	0 c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	48 bc	23 e	20 cd	25 d	0 e	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							
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	64 ab	64 cd	76 a	88 ab	88 bc	91 b	93 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	78 a	86 ab	73 a	91 a	95 ab	98 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	70 ab	69 bcd	63 ab	66 c	69 d	76 c	70 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Londax	60	DF	1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	63 ab	55 d	44 bc	71 bc	83 c	97 ab	93 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	30 c	31 e	18 d	58 c	70 d	96 ab	90 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	79 a	90 a	81 a	94 a	97 a	97 ab	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	69 ab	84 ab	79 a	94 a	98 a	97 ab	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	69 ab	79 abc	76 a	95 a	96 ab	95 ab	95 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								16.1	12.0	17.1	12.3	5.7	4.1	5.5
CV								28.45	20.71	32.36	18.04	8.15	5.48	7.65

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOLA 18-Jun-07 Control % 19 6 6 DA-B 15	IPOLA 26-Jun-07 Control % 27 14 14 DA-B 16	IPOLA 10-Jul-07 Control % 41 28 28 DA-B 17	IPOLA 7-Aug-07 Control % 69 56 56 DA-B 18	AESVI 18-Jun-07 Control % 19 6 6 DA-B 19	AESVI 26-Jun-07 Control % 27 14 14 DA-B 20	AESVI 10-Jul-07 Control % 41 28 28 DA-B 21
1	Nontreated							0 d	0 d	0 c	0 d	0 d	0 d	0 c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	36 c	0 d	90 b	90 c	23 d	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							
3	Newpath	2	AS	4	FL OZ/A	EPOST	A	81 ab	85 ab	97 a	95 a	88 ab	96 bc	93 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	2	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 a	92 ab	98 a	95 a	95 a	97 ab	98 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Duet	4.03	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	68 b	69 c	97 a	93 b	64 bc	95 c	83 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Londax	60	DF	1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	81 ab	81 b	98 a	95 a	68 bc	95 c	97 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	66 b	66 c	98 a	95 a	49 c	96 bc	96 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	4	FL OZ/A	EPOST	A	89 a	97 a	97 a	95 a	95 a	97 ab	97 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Strada	50	WG	2.1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	90 a	98 a	97 a	95 a	95 a	98 a	97 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Permit	75	WG	1	OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	88 a	97 a	97 a	95 a	95 a	97 ab	97 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Riceshot	4	EC	3	QT/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								10.6	8.1	1.4	0.9	16.0	1.1	3.3
CV								15.39	11.8	1.63	1.08	23.92	1.4	4.41

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Broadleaf Weed Control Options for Clearfield Rice

Trial ID: 07-WS-28
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	22	
Pest Code								AESVI	
Rating Date								7-Aug-07	
Rating Data Type								Control	
Rating Unit								%	
Days After First/Last Applic.								69 56	
Trt-Eval Interval								56 DA-B	
1	Nontreated							0	d
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0	d
	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	93	a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Duet	4.03	EC	2	QT/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
4	Newpath	2	AS	4	FL OZ/A	EPOST	A	95	a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Duet	4.03	EC	3	QT/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	71	c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Londax	60	DF	1	OZ/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
6	Newpath	2	AS	4	FL OZ/A	EPOST	A	94	a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Strada	50	WG	2.1	OZ/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
7	Newpath	2	AS	4	FL OZ/A	EPOST	A	85	b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Permit	75	WG	1	OZ/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
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Strada	50	WG	2.1	OZ/A	MPOST	B		
	Riceshot	4	EC	3	QT/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
9	Newpath	2	AS	4	FL OZ/A	EPOST	A	95	a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Permit	75	WG	1	OZ/A	MPOST	B		
	Riceshot	4	EC	3	QT/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
10	Newpath	2	AS	4	FL OZ/A	EPOST	A	95	a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Riceshot	4	EC	3	QT/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
Standard Deviation								3.8	
CV								5.33	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Weed Control Programs

Trial ID: 07-WS-29
Location: DREC - Red Rice Field

Objectives:
To evaluate Clearfield rice weed management programs.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 15-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: Adequate **Emergence Date:** 22-May-07
Harvest Equipment: NA

Pest Description

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

Pest 2 Type: W **Code:** LEFPA *Leptochloa panicoides*
Common Name: Amazon sprangletop

Pest 3 Type: W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Barnyardgrass

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:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
3.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
4.	5-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
5.	5-Jul-07	Agri-Dex		L	1	QT/A	Y
6.	10-Jul-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
7.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-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

Mississippi State University - DREC
Clearfield Weed Control Programs

Trial ID: 07-WS-29
Location: DREC - Red Rice Field

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood

Application Description

	A	B
Application Date:	30-May-07	12-Jun-07
Time of Day:	9:30 am	9:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	EPOST	LPOST
Application Placement:	Foliar	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	83 F	83 F
% Relative Humidity:	55	60
Wind Velocity, Unit:	2 MPH	1 MPH
Wind Direction:	W	NW
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	74 F	76 F
Soil Moisture:	Adequate	Mud
% Cloud Cover:	25	5

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 leaf	2 tiller
Stage Minimum, Percent:	2 leaf	1 tiller
Stage Maximum, Percent:	2 leaf	2 tiller
Height, Unit:	5 IN	11 IN
Height Minimum, Maximum:	4 5	10 11

Mississippi State University - DREC
Clearfield Weed Control Programs

Trial ID: 07-WS-29
Location: DREC - Red Rice Field

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ORYSA W	ORYSA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	4 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	3 IN	4 IN
Height Minimum, Maximum:	2 4	2 6
Density, Unit:	1 FT2	1 FT2
Pest 2 Code, Disc., Scale:	LEFPA W	LEFPA W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	2 leaf
Stage Maximum, Percent:	2 leaf	6 leaf
Height, Unit:	0.5 IN	3 IN
Height Minimum, Maximum:	0.5 0.5	1 4
Density, Unit:	88 FT2	125 FT2
Pest 3 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	3 leaf	4 leaf
Stage Minimum, Percent:	2 leaf	3 leaf
Stage Maximum, Percent:	3 leaf	4 leaf
Height, Unit:	2 IN	3 IN
Height Minimum, Maximum:	1 2	2 3
Density, Unit:	6 FT2	1 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	28 PSI	28 PSI
Nozzle Type:	AI	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Deviations
12-Jun-07	JAB	Applied MPOST applications at LPOST timing (1- to 2-tillers)

Reasons: Spaced applications 2 weeks apart.

Date	By	Deviations
26-Jun-07	JAB	No data collected after this date.

Reasons: Trial was overgrown with LEFPA. Sequential Clincher SF applications controlled LEFPA, but rice population and growth was severely reduced by this point.

Mississippi State University - DREC
Clearfield Weed Control Programs

Trial ID: 07-WS-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 Code										ECHCG	ECHCG	ORYSA	ORYSA	LEFPA
Rating Date								12-Jun-07	26-Jun-07	12-Jun-07	26-Jun-07	12-Jun-07	26-Jun-07	12-Jun-07
Rating Data Type								Rice Injury	Rice Injury	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								13 0	27 14	13 0	27 14	13 0	27 14	13 0
Trt-Eval Interval								13 DA-A	14 DA-B	13 DA-A	14 DA-B	13 DA-A	14 DA-B	13 DA-A
1	Nontreated							0 a	0 b	0 c	0 b	0 c	0 c	0 c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	18 a	91 ab	93 a	73 ab	90 a	25 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	14 a	93 ab	91 a	74 ab	91 a	28 b
	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	6	FL OZ/A	EPOST	A	0 a	14 a	94 a	94 a	78 a	91 a	35 b
	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							
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	14 a	94 a	93 a	74 ab	94 a	73 a
	Prowl H2O	3.8	CS	2.63	PT/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	Beyond	1	SL	5	FL OZ/A	EPOST	A	0 a	14 a	90 ab	91 a	74 ab	85 b	29 b
	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	Newpath	2	AS	4	FL OZ/A	EPOST	A	0 a	11 a	89 b	90 a	70 b	91 a	20 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	4	FL OZ/A	MPOST	B							
	Beyond	1	SL	2	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
8	Newpath	2	AS	6	FL OZ/A	EPOST	A	0 a	18 a	91 ab	91 a	75 ab	90 a	25 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Newpath	2	AS	6	FL OZ/A	MPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B							
Standard Deviation								0.0	4.2	2.8	3.0	3.5	2.8	9.5
CV								0.0	33.56	3.45	3.69	5.39	3.48	32.37

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clearfield Weed Control Programs

Trial ID: 07-WS-29
Location: DREC - Red Rice Field

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	
Pest Code								LEFPA	
Rating Date								26-Jun-07	
Rating Data Type								Control	
Rating Unit								%	
Days After First/Last Applic.								27 14	
Trt-Eval Interval								14 DA-B	
1	Nontreated							0	c
2	Newpath	2	AS	4	FL OZ/A	EPOST	A	15	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	13	b
	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	6	FL OZ/A	EPOST	A	23	b
	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		
5	Newpath	2	AS	4	FL OZ/A	EPOST	A	56	a
	Prowl H2O	3.8	CS	2.63	PT/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	Beyond	1	SL	5	FL OZ/A	EPOST	A	19	b
	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	Newpath	2	AS	4	FL OZ/A	EPOST	A	19	b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	4	FL OZ/A	MPOST	B		
	Beyond	1	SL	2	FL OZ/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
8	Newpath	2	AS	6	FL OZ/A	EPOST	A	19	b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A		
	Newpath	2	AS	6	FL OZ/A	MPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	MPOST	B		
Standard Deviation								6.4	
CV								31.49	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Objectives:
To evaluate the efficacy of three-way tank mixtures including V-10142, a reduced rate of Regiment, and a residual herbicide.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 19-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

Pest 4 Type: W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Barnyardgrass

Pest 5 Type: W **Code:** DIGSA *Digitaria sanguinalis*
Common Name: Large crabgrass

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B
Application Date:	10-May-07	24-May-07
Time of Day:	2:45 pm	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	DPRE	EPOST
Application Placement:	Soil	Foliar
Applied By:	JAB	JAB, LCV
Air Temperature, Unit:	82 F	73 F
% Relative Humidity:	68	76
Wind Velocity, Unit:	2 MPH	2 MPH
Wind Direction:	E	SE
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	74 F	72 F
Soil Moisture:	Adequate	Mud
% Cloud Cover:	80	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:		2 leaf
Stage Minimum, Percent:		2 leaf
Stage Maximum, Percent:		2 leaf
Height, Unit:		5 IN
Height Minimum, Maximum:		4 5

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:		2 leaf
Stage Minimum, Percent:		2 leaf
Stage Maximum, Percent:		2 leaf
Height, Unit:		1.5 IN
Height Minimum, Maximum:		1.5 1.5
Density, Unit:		15 FT2
Pest 2 Code, Disc., Scale:	IPOLA W	IPOLA W
Stage Majority, Percent:		2 leaf
Stage Minimum, Percent:		1 leaf
Stage Maximum, Percent:		2 leaf
Height, Unit:		1.5 IN
Height Minimum, Maximum:		1.5 1.5
Density, Unit:		2 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		2 leaf
Stage Minimum, Percent:		1 leaf
Stage Maximum, Percent:		2 leaf
Height, Unit:		1.5 IN
Height Minimum, Maximum:		1.5 1.5
Density, Unit:		2 FT2
Pest 4 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:		3 leaf
Stage Minimum, Percent:		2 leaf
Stage Maximum, Percent:		3 leaf
Height, Unit:		3 IN
Height Minimum, Maximum:		2 3
Density, Unit:		15 FT2
Pest 5 Code, Disc., Scale:	DIGSA W	DIGSA W
Stage Majority, Percent:		2 leaf
Stage Minimum, Percent:		1 leaf
Stage Maximum, Percent:		3 leaf
Height, Unit:		3 IN
Height Minimum, Maximum:		2 3
Density, Unit:		1 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	31 PSI
Nozzle Type:	AI	TT
Nozzle Size:	110015VS	110015
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3.5 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Date	By	Notes
7-Jun-07	JAB	ECHCG and DIGSA control was poor in V-10142 plus Regiment plots, except when Command was added.
14-Jun-07	JAB	ECHCG was worse in reps 1 and 2. DIGSA, IPOLA, and IPOHE were covered by flood. Adding Command with low rate of Regiment was positive mixture.
29-Jun-07	JAB	DIGSA was killed by flood. Possible slight height reduction with higher rate of V-10142. Flood was deeper in reps 3 and 4, increasing control slightly.

Date	By	Deviations
10-May-07	JAB	Added Agri-Dex at 1 QT/A to treatment 2.

Reasons: Rainfall occurred between planting and DPRE application.

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
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 Code												ECHCG
	Rating Date							24-May-07	31-May-07	7-Jun-07	14-Jun-07	29-Jun-07	24-May-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							14 0	21 7	28 14	35 21	50 36	14 0
	Trt-Eval Interval							14 DA-A	7 DA-B	14 DA-B	21 DA-B	36 DA-B	14 DA-A
1	Nontreated							0 a	0 d	0 c	0 a	0 a	0 b
2	Command	3	ME	1.33	PT/A	DPRE	A	1 a	5 b	3 bc	1 a	0 a	94 a
	Facet	75	DF	0.5	LB/A	DPRE	A						
	Grandstand R	3	SL	12	FL OZ/A	EPOST	B						
	Permit	75	WG	0.75	OZ/A	EPOST	B						
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B						
3	Stam M4	4	SL	4	QT/A	EPOST	B		7 a	6 ab	0 a	0 a	
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Permit	75	WG	0.75	OZ/A	EPOST	B						
4	Regiment	80	WP	0.2	OZ/A	EPOST	B		1 cd	3 bc	1 a	0 a	
	V-10142	75	DG	2.13	OZ/A	EPOST	B						
	Bolero	8	EC	2	PT/A	EPOST	B						
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B						
5	Regiment	80	WP	0.2	OZ/A	EPOST	B		2 c	3 bc	0 a	0 a	
	V-10142	75	DG	2.13	OZ/A	EPOST	B						
	Command	3	ME	1.33	PT/A	EPOST	B						
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B						
6	Regiment	80	WP	0.2	OZ/A	EPOST	B		2 cd	3 bc	1 a	0 a	
	V-10142	75	DG	4.27	OZ/A	EPOST	B						
	Command	3	ME	1.33	PT/A	EPOST	B						
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B						
7	Regiment	80	WP	0.2	OZ/A	EPOST	B		0 d	3 bc	1 a	0 a	
	V-10142	75	DG	2.13	OZ/A	EPOST	B						
	Prowl EC	3.3	EC	2	PT/A	EPOST	B						
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B						
8	V-10142	75	DG	2.13	OZ/A	EPOST	B		8 a	7 a	2 a	0 a	
	Bolero	8	EC	2	PT/A	EPOST	B						
	Stam M4	4	SL	2	QT/A	EPOST	B						
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B						
	Standard Deviation							1.8	1.3	2.2	1.7	0.0	2.0
	CV							282.84	43.27	72.33	198.34	0.0	4.34

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
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	13
Pest Code								ECHCG	ECHCG	ECHCG	ECHCG	DIGSA	DIGSA	DIGSA
Rating Date								31-May-07	7-Jun-07	14-Jun-07	29-Jun-07	7-Jun-07	14-Jun-07	29-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								21 7	28 14	35 21	50 36	28 14	35 21	50 36
Trt-Eval Interval								7 DA-B	14 DA-B	21 DA-B	36 DA-B	14 DA-B	21 DA-B	36 DA-B
1	Nontreated							0 c	0 d	0 d	0 d	0 e	0 e	0 d
2	Command	3	ME	1.33	PT/A	DPRE	A	98 a	98 a	96 a	95 a	98 a	98 a	99 a
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Grandstand R	3	SL	12	FL OZ/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
3	Stam M4	4	SL	4	QT/A	EPOST	B	98 a	98 a	98 a	99 a	96 ab	96 ab	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
4	Regiment	80	WP	0.2	OZ/A	EPOST	B	85 b	70 c	81 bc	83 b	70 d	83 cd	95 bc
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Bolero	8	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
5	Regiment	80	WP	0.2	OZ/A	EPOST	B	89 b	90 ab	90 ab	96 a	86 bc	89 bc	97 ab
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
6	Regiment	80	WP	0.2	OZ/A	EPOST	B	85 b	88 b	90 ab	97 a	80 cd	90 abc	97 ab
	V-10142	75	DG	4.27	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
7	Regiment	80	WP	0.2	OZ/A	EPOST	B	86 b	73 c	73 c	69 c	76 cd	80 d	94 c
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Prowl EC	3.3	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
8	V-10142	75	DG	2.13	OZ/A	EPOST	B	97 a	96 ab	89 ab	98 a	95 ab	95 ab	99 a
	Bolero	8	EC	2	PT/A	EPOST	B							
	Stam M4	4	SL	2	QT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
Standard Deviation								3.2	6.1	6.4	6.0	7.3	5.3	1.3
CV								4.02	8.01	8.28	7.51	9.77	6.75	1.53

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15	16	17	18	19	20
Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA	IPOLA
Rating Date								24-May-07	31-May-07	7-Jun-07	14-Jun-07	29-Jun-07	24-May-07	31-May-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								14 0	21 7	28 14	35 21	50 36	14 0	21 7
Trt-Eval Interval								14 DA-A	7 DA-B	14 DA-B	21 DA-B	36 DA-B	14 DA-A	7 DA-B
1	Nontreated							0 a	0 c	0 d	0 c	0 b	0 a	0 c
2	Command	3	ME	1.33	PT/A	DPRE	A	0 a	96 a	96 a	96 ab	98 a	0 a	97 a
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Grandstand R	3	SL	12	FL OZ/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
3	Stam M4	4	SL	4	QT/A	EPOST	B		98 a	98 a	98 a	99 a		98 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
4	Regiment	80	WP	0.2	OZ/A	EPOST	B		80 b	89 c	95 ab	96 a		74 b
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Bolero	8	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
5	Regiment	80	WP	0.2	OZ/A	EPOST	B		81 b	91 bc	93 b	99 a		74 b
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
6	Regiment	80	WP	0.2	OZ/A	EPOST	B		80 b	89 c	93 b	99 a		71 b
	V-10142	75	DG	4.27	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
7	Regiment	80	WP	0.2	OZ/A	EPOST	B		80 b	91 bc	95 ab	99 a		75 b
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Prowl EC	3.3	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
8	V-10142	75	DG	2.13	OZ/A	EPOST	B		95 a	95 ab	97 ab	99 a		94 a
	Bolero	8	EC	2	PT/A	EPOST	B							
	Stam M4	4	SL	2	QT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
Standard Deviation								0.0	3.6	2.8	2.6	2.5	0.0	4.2
CV								0.0	4.72	3.44	3.13	2.88	0.0	5.72

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21	22	23	24	25	26	27
Pest Code								IPOLA	IPOLA	IPOLA	IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								7-Jun-07	14-Jun-07	29-Jun-07	31-May-07	7-Jun-07	14-Jun-07	29-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								28 14	35 21	50 36	21 7	28 14	35 21	50 36
Trt-Eval Interval								14 DA-B	21 DA-B	36 DA-B	7 DA-B	14 DA-B	21 DA-B	36 DA-B
1	Nontreated							0 c	0 c	0 b	0 c	0 c	0 c	0 b
2	Command	3	ME	1.33	PT/A	DPRE	A	97 a	96 ab	97 a	98 a	98 a	98 a	99 a
	Facet	75	DF	0.5	LB/A	DPRE	A							
	Grandstand R	3	SL	12	FL OZ/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B							
3	Stam M4	4	SL	4	QT/A	EPOST	B	98 a	98 a	99 a	98 a	98 a	98 a	99 a
	Facet	75	DF	0.5	LB/A	EPOST	B							
	Permit	75	WG	0.75	OZ/A	EPOST	B							
4	Regiment	80	WP	0.2	OZ/A	EPOST	B	85 b	95 ab	99 a	74 b	85 b	97 ab	99 a
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Bolero	8	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
5	Regiment	80	WP	0.2	OZ/A	EPOST	B	89 b	91 b	99 a	76 b	88 b	93 b	99 a
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
6	Regiment	80	WP	0.2	OZ/A	EPOST	B	84 b	93 ab	99 a	75 b	88 b	96 ab	99 a
	V-10142	75	DG	4.27	OZ/A	EPOST	B							
	Command	3	ME	1.33	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
7	Regiment	80	WP	0.2	OZ/A	EPOST	B	88 b	93 ab	99 a	76 b	89 b	93 ab	99 a
	V-10142	75	DG	2.13	OZ/A	EPOST	B							
	Prowl EC	3.3	EC	2	PT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
8	V-10142	75	DG	2.13	OZ/A	EPOST	B	95 a	95 ab	99 a	96 a	97 a	95 ab	99 a
	Bolero	8	EC	2	PT/A	EPOST	B							
	Stam M4	4	SL	2	QT/A	EPOST	B							
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B							
Standard Deviation								3.9	3.2	1.6	3.9	3.2	2.9	0.0
CV								4.96	3.88	1.84	5.21	3.99	3.52	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Early Postemergence Tank-mixes with V-10142

Trial ID: 07-WS-30
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	30	
	Pest Code								
	Rating Date							19-Sep-07	
	Rating Data Type							Yield	
	Rating Unit							bu/A	
	Days After First/Last Applic.								
	Trt-Eval Interval								
1	Nontreated							47	c
2	Command	3	ME	1.33	PT/A	DPRE	A	175	a
	Facet	75	DF	0.5	LB/A	DPRE	A		
	Grandstand R	3	SL	12	FL OZ/A	EPOST	B		
	Permit	75	WG	0.75	OZ/A	EPOST	B		
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B		
3	Stam M4	4	SL	4	QT/A	EPOST	B	169	a
	Facet	75	DF	0.5	LB/A	EPOST	B		
	Permit	75	WG	0.75	OZ/A	EPOST	B		
4	Regiment	80	WP	0.2	OZ/A	EPOST	B	162	ab
	V-10142	75	DG	2.13	OZ/A	EPOST	B		
	Bolero	8	EC	2	PT/A	EPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B		
5	Regiment	80	WP	0.2	OZ/A	EPOST	B	178	a
	V-10142	75	DG	2.13	OZ/A	EPOST	B		
	Command	3	ME	1.33	PT/A	EPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B		
6	Regiment	80	WP	0.2	OZ/A	EPOST	B	182	a
	V-10142	75	DG	4.27	OZ/A	EPOST	B		
	Command	3	ME	1.33	PT/A	EPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B		
7	Regiment	80	WP	0.2	OZ/A	EPOST	B	149	b
	V-10142	75	DG	2.13	OZ/A	EPOST	B		
	Prowl EC	3.3	EC	2	PT/A	EPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B		
8	V-10142	75	DG	2.13	OZ/A	EPOST	B	172	a
	Bolero	8	EC	2	PT/A	EPOST	B		
	Stam M4	4	SL	2	QT/A	EPOST	B		
	Dyne-A-Pak		L	19.2	FL OZ/A	EPOST	B		
	Standard Deviation							12.7	
	CV							8.21	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Objectives:
To evaluate weed control programs containing Clincher SF applied pre- and/or postflood with MSO as adjuvant.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: adequate **Emergence Date:** 15-May-07
Harvest Date: 18-May-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

Pest 4 Type: W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Barnyardgrass

Pest 5 Type: W **Code:** DIGSA *Digitaria sanguinalis*
Common Name: Large crabgrass

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C	D	E
Application Date:	9-May-07	24-May-07	6-Jun-07	18-Jun-07	29-Jun-07
Time of Day:	3:00 pm	6:30 am	6:30 am	7:30 am	7:00 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	EPOST	3 d PRFLD	7 d PTFED	10 DA-D
Application Placement:	Soil	Foliar	Foliar	Foliar	Foliar
Applied By:	JAB	JAB	JAB	JAB	LCV, JAB
Air Temperature, Unit:	73 F	73 F	76 F	77 F	83 F
% Relative Humidity:	77	76	64	73	79
Wind Velocity, Unit:	0 MPH	0 MPH	0 MPH	3 MPH	0 MPH
Wind Direction:				S	
Dew Presence (Y/N):	N	N	Y	Y	Y
Soil Temperature, Unit:	73 F	72 F	74 F		
Soil Moisture:	Mud	Mud	Adequate	Flood	Flood
% Cloud Cover:	100	0	0	40	0

Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 leaf	1 tiller	3 tiller	1/2" IE
Stage Minimum, Percent:		2 leaf	1 tiller	2 tiller	1/2" IE
Stage Maximum, Percent:		2 leaf	1 tiller	3 tiller	1/2" IE
Height, Unit:		5 IN	9 IN	17 IN	24 IN
Height Minimum, Maximum:		4 5	8 9	15 18	22 25

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Pest Stage At Each Application

	A	B	C	D	E
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:		2 leaf	5 leaf	9 leaf	
Stage Minimum, Percent:		2 leaf	3 leaf	8 leaf	
Stage Maximum, Percent:		2 leaf	7 leaf	9 leaf	
Height, Unit:		1.5 IN	7 IN	11 IN	
Height Minimum, Maximum:		1.5 1.5	5 8	9 12	
Density, Unit:		6 FT2	7 FT2	4 FT2	
Pest 2 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:		1 leaf	6 leaf		
Stage Minimum, Percent:		1 leaf	5 leaf		
Stage Maximum, Percent:		1 leaf	6 leaf		
Height, Unit:		1.5 IN	6 IN		
Height Minimum, Maximum:		1.5 1.5	4 7		
Density, Unit:		1 FT2	1 FT2		
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		1 leaf	6 leaf		
Stage Minimum, Percent:		1 leaf	5 leaf		
Stage Maximum, Percent:		1 leaf	6 leaf		
Height, Unit:		1.5 IN	6 IN		
Height Minimum, Maximum:		1.5 1.5	4 7		
Density, Unit:		1 FT2	1 FT2		
Pest 4 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:		3 leaf	4 leaf	5 leaf	5 till
Stage Minimum, Percent:		2 leaf	3 leaf	4 leaf	4 till
Stage Maximum, Percent:		3 leaf	4 leaf	6 leaf	5 till
Height, Unit:		1 IN	4 IN	11 IN	14 IN
Height Minimum, Maximum:		1 1	3 4	9 12	12 15
Density, Unit:		15 FT2	3 FT2	3 FT2	3 FT2
Pest 5 Code, Disc., Scale:	DIGSA W	DIGSA W	DIGSA W	DIGSA W	DIGSA W
Stage Majority, Percent:		3 leaf			
Stage Minimum, Percent:		2 leaf			
Stage Maximum, Percent:		3 leaf			
Height, Unit:		1 IN			
Height Minimum, Maximum:		1 1			
Density, Unit:		0.25 FT2			

Application Equipment

	A	B	C	D	E
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	31 PSI	28 PSI	24 PSI	24 PSI
Nozzle Type:	DG	TT	AI	TT	TT
Nozzle Size:	110015VS	110015	110015VS	11001	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3.5 MPH	3 MPH	2 MPH	2 MPH
Carrier:	Water	Water	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Date	By	Notes
9-May-07	JAB	Application A was sprayed in drizzle.
31-May-07	JAB	Injury was bleaching from Command. There was some chlorosis and slight height reduction.
13-Jun-07	JAB	DIGSA was thicker in reps 1 and 2. CYPES population very inconsistent.
20-Jun-07	JAB	IPOLA and IPOHE were suppressed by flood. Injury was beginning to show from EPOST Grasp applications.
5-Jul-07	JAB	Deeper flood in reps 3 and 4 improved control. IPOLA and IPOHE were controlled by flood. DIGSA population decreased in response to flood, i.e., Command only plots.

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-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
	Pest Code												
	Rating Date							31-May-07	5-Jun-07	13-Jun-07	20-Jun-07	5-Jul-07	3-Aug-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							22 7	27 12	35 7	42 2	57 6	86 35
	Trt-Eval Interval							7 DA-B	12 DA-B	7 DA-C	14 DA-C	17 DA-D	46 DA-D
1	Command	3	ME	1.33	PT/A	PRE	A	0 c	0 c	0 c	0 c	0 b	0 a
2	Command	3	ME	1.33	PT/A	EPOST	B	3 ab	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
3	Command	3	ME	1.33	PT/A	EPOST	B	1 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
4	Command	3	ME	1	PT/A	EPOST	B	1 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
5	Facet	75	DF	0.5	LB/A	EPOST	B	3 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
6	Facet	75	DF	0.5	LB/A	EPOST	B	1 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
7	Facet	75	DF	0.5	LB/A	EPOST	B	1 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
8	Command	3	ME	1.33	PT/A	PRE	A	0 c	0 c	0 c	0 c	0 b	0 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
9	Command	3	ME	1.33	PT/A	PRE	A	0 c	0 c	0 c	0 c	0 b	0 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
10	Command	3	ME	1.33	PT/A	PRE	A	1 bc	0 c	0 c	1 c	0 b	0 a
	Grasp	2	SC	2	FL OZ/A	3 d PRFLD	C						
	MSO Adjuvant		L	1	QT/A	3 d PRFLD	C						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	31-May-07 Rice Injury % 22 7 7 DA-B 1	5-Jun-07 Rice Injury % 27 12 12 DA-B 2	13-Jun-07 Rice Injury % 35 7 7 DA-C 3	20-Jun-07 Rice Injury % 42 2 14 DA-C 4	5-Jul-07 Rice Injury % 57 6 17 DA-D 5	3-Aug-07 Rice Injury % 86 35 46 DA-D 6
11	Command	3	ME	1.33	PT/A	EPOST	B	2 bc	0 c	0 c	0 c	0 b	0 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
12	Command	3	ME	1.33	PT/A	PRE	A	0 c	0 c	0 c	0 c	0 b	0 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C						
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C						
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-D	E						
	MSO Adjuvant		L	1	QT/A	10 DA-D	E						
13	Command	3	ME	1.33	PT/A	EPOST	B	4 ab	7 b	5 b	5 b	0 b	0 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
14	Command	3	ME	1.33	PT/A	EPOST	B	6 a	8 a	9 a	8 a	6 a	0 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B						
	MSO Adjuvant		L	1	QT/A	EPOST	B						
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D						
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D						
15	Nontreated							0 c	0 c	0 c	0 c	0 b	0 a
Standard Deviation								1.9	0.7	0.7	0.9	0.6	0.0
CV								125.6	71.36	71.27	100.55	160.03	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ECHCG 5-Jun-07 Control % 27 12 12 DA-B 7	ECHCG 13-Jun-07 Control % 35 7 7 DA-C 8	ECHCG 20-Jun-07 Control % 42 2 14 DA-C 9	ECHCG 5-Jul-07 Control % 57 6 17 DA-D 10	ECHCG 3-Aug-07 Control % 86 35 46 DA-D 11	DIGSA 5-Jun-07 Control % 27 12 12 DA-B 12	DIGSA 13-Jun-07 Control % 35 7 7 DA-C 13
1	Command	3	ME	1.33	PT/A	PRE	A	93 ab	83 bcd	73 cd	74 b	74 b	90 a-d	82 cde
2	Command	3	ME	1.33	PT/A	EPOST	B	96 a	93 a	91 a	98 a	98 a	95 ab	93 ab
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
3	Command	3	ME	1.33	PT/A	EPOST	B	97 a	95 a	95 a	96 a	96 a	97 a	94 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
4	Command	3	ME	1	PT/A	EPOST	B	91 abc	91 ab	95 a	98 a	96 a	94 abc	94 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
5	Facet	75	DF	0.5	LB/A	EPOST	B	89 a-d	88 abc	90 a	90 a	94 a	79 de	85 a-e
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
6	Facet	75	DF	0.5	LB/A	EPOST	B	95 ab	89 abc	89 a	91 a	97 a	85 a-e	85 a-e
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
7	Facet	75	DF	0.5	LB/A	EPOST	B	94 ab	88 abc	94 a	98 a	98 a	81 b-e	86 a-e
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
8	Command	3	ME	1.33	PT/A	PRE	A	80 d	75 d	71 d	69 b	69 b	80 cde	80 de
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
9	Command	3	ME	1.33	PT/A	PRE	A	85 bcd	80 cd	80 bc	98 a	95 a	85 a-e	84 b-e
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
10	Command	3	ME	1.33	PT/A	PRE	A	85 bcd	88 abc	88 ab	94 a	94 a	80 cde	85 a-e
	Grasp	2	SC	2	FL OZ/A	3 d PRFLD	C							
	MSO Adjuvant		L	1	QT/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ECHCG 5-Jun-07 Control % 27 12 12 DA-B 7	ECHCG 13-Jun-07 Control % 35 7 7 DA-C 8	ECHCG 20-Jun-07 Control % 42 2 14 DA-C 9	ECHCG 5-Jul-07 Control % 57 6 17 DA-D 10	ECHCG 3-Aug-07 Control % 86 35 46 DA-D 11	DIGSA 5-Jun-07 Control % 27 12 12 DA-B 12	DIGSA 13-Jun-07 Control % 35 7 7 DA-C 13
11	Command	3	ME	1.33	PT/A	EPOST	B	93 ab	91 ab	90 a	96 a	98 a	91 a-d	91 abc
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
12	Command	3	ME	1.33	PT/A	PRE	A	83 cd	80 cd	71 d	96 a	98 a	80 cde	79 e
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-D	E							
	MSO Adjuvant		L	1	QT/A	10 DA-D	E							
13	Command	3	ME	1.33	PT/A	EPOST	B	93 ab	94 a	95 a	94 a	92 a	75 e	88 a-e
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
14	Command	3	ME	1.33	PT/A	EPOST	B	95 ab	93 a	88 ab	97 a	99 a	84 a-e	89 a-d
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
15	Nontreated							0 e	0 e	0 e	0 c	0 c	0 f	0 f
Standard Deviation								6.1	5.6	5.4	5.3	5.3	8.2	5.8
CV								7.25	6.92	6.73	6.2	6.14	10.31	7.2

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Pest Code								DIGSA	DIGSA	DIGSA	SEBEX	SEBEX	SEBEX	SEBEX
Rating Date								20-Jun-07	5-Jul-07	3-Aug-07	5-Jun-07	13-Jun-07	20-Jun-07	5-Jul-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								42 2	57 6	86 35	27 12	35 7	42 2	57 6
Trt-Eval Interval								14 DA-C	17 DA-D	46 DA-D	12 DA-B	7 DA-C	14 DA-C	17 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15	16	17	18	19	20
1	Command	3	ME	1.33	PT/A	PRE	A	79 bc	82 c	79 c	0 c	0 c	1 g	1 e
2	Command	3	ME	1.33	PT/A	EPOST	B	93 a	98 a	98 a	0 c	76 b	88 bcd	90 abc
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
3	Command	3	ME	1.33	PT/A	EPOST	B	94 a	98 a	98 a	0 c	78 b	92 abc	95 ab
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
4	Command	3	ME	1	PT/A	EPOST	B	95 a	98 a	97 a	0 c	78 b	89 bcd	94 abc
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
5	Facet	75	DF	0.5	LB/A	EPOST	B	90 ab	97 a	97 a	85 b	93 a	97 a	98 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
6	Facet	75	DF	0.5	LB/A	EPOST	B	88 ab	97 a	98 a	88 ab	94 a	98 a	98 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
7	Facet	75	DF	0.5	LB/A	EPOST	B	93 a	98 a	98 a	88 ab	95 a	98 a	98 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
8	Command	3	ME	1.33	PT/A	PRE	A	73 c	89 b	90 b	0 c	74 b	88 bcd	85 c
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
9	Command	3	ME	1.33	PT/A	PRE	A	80 bc	98 a	97 a	0 c	76 b	83 de	88 bc
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
10	Command	3	ME	1.33	PT/A	PRE	A	85 ab	98 a	96 a	0 c	78 b	78 e	76 d
	Grasp	2	SC	2	FL OZ/A	3 d PRFLD	C							
	MSO Adjuvant		L	1	QT/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

11	Command	3	ME	1.33	PT/A	EPOST	B	93 a	98 a	98 a	0 c	71 b	66 f	96 ab
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
12	Command	3	ME	1.33	PT/A	PRE	A	71 c	98 a	99 a	0 c	73 b	85 cd	88 bc
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-D	E							
	MSO Adjuvant		L	1	QT/A	10 DA-D	E							
13	Command	3	ME	1.33	PT/A	EPOST	B	93 a	98 a	97 a	90 a	91 a	94 ab	94 abc
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
14	Command	3	ME	1.33	PT/A	EPOST	B	89 ab	98 a	99 a	89 a	90 a	94 ab	94 abc
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
15	Nontreated							0 d	0 d	0 d	0 c	0 c	0 g	0 e
Standard Deviation								7.4	1.9	2.1	1.9	3.8	4.7	5.4
CV								9.21	2.1	2.35	6.41	5.42	6.2	6.83

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21	22	23	24	25	26	27
Pest Code								SEBEX	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE
Rating Date								3-Aug-07	5-Jun-07	13-Jun-07	20-Jun-07	5-Jul-07	3-Aug-07	5-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								86 35	27 12	35 7	42 2	57 6	86 35	27 12
Trt-Eval Interval								46 DA-D	12 DA-B	7 DA-C	14 DA-C	17 DA-D	46 DA-D	12 DA-B
1	Command	3	ME	1.33	PT/A	PRE	A	2 f	0 b	0 f	44 b	90 b	90 e	0 b
2	Command	3	ME	1.33	PT/A	EPOST	B	90 a-d	0 b	78 de	88 a	98 a	98 ab	0 b
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
3	Command	3	ME	1.33	PT/A	EPOST	B	94 abc	0 b	73 e	95 a	98 a	98 ab	0 b
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
4	Command	3	ME	1	PT/A	EPOST	B	92 a-d	0 b	79 de	94 a	98 a	97 abc	0 b
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
5	Facet	75	DF	0.5	LB/A	EPOST	B	99 a	81 a	90 ab	97 a	98 a	99 a	85 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
6	Facet	75	DF	0.5	LB/A	EPOST	B	99 a	81 a	94 a	98 a	98 a	99 a	84 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
7	Facet	75	DF	0.5	LB/A	EPOST	B	99 a	84 a	93 a	98 a	98 a	99 a	86 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
8	Command	3	ME	1.33	PT/A	PRE	A	81 de	0 b	78 de	95 a	98 a	92 de	0 b
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
9	Command	3	ME	1.33	PT/A	PRE	A	84 cde	0 b	79 de	93 a	98 a	95 cd	0 b
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
10	Command	3	ME	1.33	PT/A	PRE	A	73 e	0 b	83 bcd	90 a	98 a	95 bcd	0 b
	Grasp	2	SC	2	FL OZ/A	3 d PRFLD	C							
	MSO Adjuvant		L	1	QT/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	SEBEX	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE
	Pest Code							SEBEX	IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE
	Rating Date							3-Aug-07	5-Jun-07	13-Jun-07	20-Jun-07	5-Jul-07	3-Aug-07	5-Jun-07
	Rating Data Type							Control	Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							86 35	27 12	35 7	42 2	57 6	86 35	27 12
	Trt-Eval Interval							46 DA-D	12 DA-B	7 DA-C	14 DA-C	17 DA-D	46 DA-D	12 DA-B
								21	22	23	24	25	26	27
11	Command	3	ME	1.33	PT/A	EPOST	B	97 ab	0 b	79 de	94 a	98 a	98 ab	0 b
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
12	Command	3	ME	1.33	PT/A	PRE	A	85 bcd	0 b	80 cde	95 a	98 a	97 abc	0 b
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C							
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C							
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-D	E							
	MSO Adjuvant		L	1	QT/A	10 DA-D	E							
13	Command	3	ME	1.33	PT/A	EPOST	B	92 a-d	80 a	89 abc	94 a	98 a	97 abc	83 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
14	Command	3	ME	1.33	PT/A	EPOST	B	99 a	80 a	89 abc	94 a	98 a	99 a	83 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B							
	MSO Adjuvant		L	1	QT/A	EPOST	B							
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D							
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D							
15	Nontreated							0 f	0 b	0 f	0 c	0 c	0 f	0 b
	Standard Deviation							7.5	2.7	5.8	8.4	0.0	2.0	3.0
	CV							9.51	9.84	8.01	9.93	0.0	2.24	10.66

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOHE 13-Jun-07 Control % 35 7 7 DA-C 28	IPOHE 20-Jun-07 Control % 42 2 14 DA-C 29	IPOHE 5-Jul-07 Control % 57 6 17 DA-D 30	IPOHE 3-Aug-07 Control % 86 35 46 DA-D 31	18-Sep-07 Yield bu/A 37
1	Command	3	ME	1.33	PT/A	PRE	A	0 c	44 b	90 b	90 e	
2	Command	3	ME	1.33	PT/A	EPOST	B	81 b	94 a	98 a	98 ab	166 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
3	Command	3	ME	1.33	PT/A	EPOST	B	80 b	96 a	98 a	98 ab	178 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
4	Command	3	ME	1	PT/A	EPOST	B	81 b	95 a	98 a	97 abc	169 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
5	Facet	75	DF	0.5	LB/A	EPOST	B	93 a	97 a	98 a	99 a	158 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
6	Facet	75	DF	0.5	LB/A	EPOST	B	94 a	98 a	98 a	99 a	170 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
7	Facet	75	DF	0.5	LB/A	EPOST	B	94 a	98 a	98 a	99 a	174 a
	Clincher SF	2.38	EC	10	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
8	Command	3	ME	1.33	PT/A	PRE	A	79 b	95 a	98 a	92 de	170 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
9	Command	3	ME	1.33	PT/A	PRE	A	84 b	94 a	98 a	95 cd	160 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
10	Command	3	ME	1.33	PT/A	PRE	A	85 b	91 a	98 a	95 bcd	166 a
	Grasp	2	SC	2	FL OZ/A	3 d PRFLD	C					
	MSO Adjuvant		L	1	QT/A	3 d PRFLD	C					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					

Mississippi State University - DREC
Preflood and Postflood Clincher SF Efficacy

Trial ID: 07-WS-31
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	IPOHE 13-Jun-07 Control % 35 7 7 DA-C 28	IPOHE 20-Jun-07 Control % 42 2 14 DA-C 29	IPOHE 5-Jul-07 Control % 57 6 17 DA-D 30	IPOHE 3-Aug-07 Control % 86 35 46 DA-D 31	18-Sep-07 Yield bu/A 37
11	Command	3	ME	1.33	PT/A	EPOST	B	79 b	94 a	98 a	98 ab	160 a
	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
	Grasp	2	SC	2.5	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
12	Command	3	ME	1.33	PT/A	PRE	A	83 b	95 a	98 a	97 abc	156 a
	Grandstand R	3	SL	12	FL OZ/A	3 d PRFLD	C					
	Permit	75	WG	0.5	OZ/A	3 d PRFLD	C					
	Agri-Dex		L	16	FL OZ/A	3 d PRFLD	C					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-D	E					
	MSO Adjuvant		L	1	QT/A	10 DA-D	E					
13	Command	3	ME	1.33	PT/A	EPOST	B	91 a	95 a	98 a	97 abc	161 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
14	Command	3	ME	1.33	PT/A	EPOST	B	93 a	95 a	98 a	99 a	167 a
	Grasp	2	SC	2	FL OZ/A	EPOST	B					
	MSO Adjuvant		L	1	QT/A	EPOST	B					
	Clincher SF	2.38	EC	15	FL OZ/A	7 d PTFLD	D					
	MSO Adjuvant		L	1	QT/A	7 d PTFLD	D					
15	Nontreated							0 c	0 c	0 c	0 f	
Standard Deviation								4.3	8.1	0.0	2.0	10.6
CV								5.8	9.54	0.0	2.24	6.39

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clincher Plus Facet Tank Mixtures for Postflood Grass Control

Trial ID: 07-WS-32
Location: DREC

Objectives:
To evalluate different rates of Facet added to postflood Clincher SF applications for barnyardgrass control.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

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.	29-May-07	SuperWham	4	EC	4	QT/A	Y
2.	29-May-07	Agri-Dex			1	QT/A	Y
3.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
4.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Clincher Plus Facet Tank Mixtures for Postflood Grass Control

Trial ID: 07-WS-32
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B
Application Date:	20-Jun-07	29-Jun-07
Time of Day:	7:00 am	7:15 am
Application Method:	Broadcast	Broadcast
Application Timing:	10-14d PF	10 DA-A
Application Placement:	Foliar	Foliar
Applied By:	LCV, JAB	LCV, JAB
Air Temperature, Unit:	77 F	82 F
% Relative Humidity:	76	79
Wind Velocity, Unit:	0 MPH	0 MPH
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:	5 tiller	1/2" IE
Stage Minimum, Percent:	4 tiller	1/2" IE
Stage Maximum, Percent:	5 tiller	1/2" IE
Height, Unit:	17 IN	24 IN
Height Minimum, Maximum:	15 19	22 25

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	3 till	4 till
Stage Minimum, Percent:	2 till	4 till
Stage Maximum, Percent:	4 till	5 till
Height, Unit:	14 IN	14 IN
Height Minimum, Maximum:	12 15	12 15
Density, Unit:	5 FT2	3 FT2

Mississippi State University - DREC
Clincher Plus Facet Tank Mixtures for Postflood Grass Control

Trial ID: 07-WS-32
Location: DREC

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	22 PSI	25 PSI
Nozzle Type:	TT	TT
Nozzle Size:	11001	11001
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	2 MPH	2 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
27-Jun-07	JAB	Regiment injury was severe height reduction.
3-Jul-07	JAB	Some LEFPA emerging in Facet-only plots, but population was not sufficient to rate. Possibly some ECHCG regrowth at lowest Facet-only rates.
18-Jul-07	JAB	LEFPA emerged late in reps 2 to 4. Plots treated with Regiment were still a little shorter than others. Possible slight injury with Clincher plus highest Facet rates.
15-Aug-07	JAB	Unable to evaluate at 56 DAT. All grass was mature and dried down.

Mississippi State University - DREC
Clincher Plus Facet Tank Mixtures for Postflood Grass Control

Trial ID: 07-WS-32
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 Code											ECHCG	ECHCG	ECHCG
Rating Date								27-Jun-07	3-Jul-07	18-Jul-07	27-Jun-07	3-Jul-07	18-Jul-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								7 7	13 4	28 19	7 7	13 4	28 19
Trt-Eval Interval								7 DA-A	13 DA-A	28 DA-A	7 DA-A	13 DA-A	28 DA-A
1	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	74 abc	83 ab	86 abc
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
2	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	74 abc	81 ab	80 bc
	Facet	75	DF	0.2	LB/A	10-14d PTFLD	A						
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
3	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	74 abc	85 a	91 a
	Facet	75	DF	0.3	LB/A	10-14d PTFLD	A						
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
4	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	78 ab	85 a	95 a
	Facet	75	DF	0.4	LB/A	10-14d PTFLD	A						
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
5	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	76 ab	86 a	96 a
	Facet	75	DF	0.5	LB/A	10-14d PTFLD	A						
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
6	Facet	75	DF	0.2	LB/A	10-14d PTFLD	A	0 b	0 b	0 b	68 cd	76 bc	76 c
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
7	Facet	75	DF	0.3	LB/A	10-14d PTFLD	A	0 b	0 b	0 b	65 d	75 c	80 bc
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
8	Facet	75	DF	0.4	LB/A	10-14d PTFLD	A	0 b	0 b	0 b	78 ab	83 ab	91 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
9	Facet	75	DF	0.5	LB/A	10-14d PTFLD	A	0 b	0 b	0 b	80 a	84 a	90 ab
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
10	Regiment	80	WP	0.6	OZ/A	10-14d PTFLD	A	20 a	8 a	3 a	76 ab	88 a	95 a
	Dyne-A-Pak		L	19.2	FL OZ/A	10-14d PTFLD	A						
11	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	0 b	0 b	0 b	73 bc	84 a	96 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A						
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-A	B						
	MSO Adjuvant		L	1	QT/A	10 DA-A	B						
12	Nontreated							0 b	0 b	0 b	0 e	0 d	0 d
Standard Deviation								0.0	0.7	0.6	4.2	4.1	6.8
CV								0.0	99.22	259.69	6.18	5.43	8.41

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Clincher Plus Facet Tank Mixtures for Postflood Grass Control

Trial ID: 07-WS-32
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	50% Head DAE	17-Sep-07 Height cm	18-Sep-07 Yield bu/A
	Pest Code									
	Rating Date									
	Rating Data Type									
	Rating Unit									
	Days After First/Last Applic.									
	Trt-Eval Interval									
								9	10	13
1	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	81 c	90 a	155 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
2	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	82 bc	90 a	149 a
	Facet	75	DF	0.2	LB/A	10-14d PTFLD	A			
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
3	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	83 ab	88 a	160 a
	Facet	75	DF	0.3	LB/A	10-14d PTFLD	A			
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
4	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	83 ab	91 a	154 a
	Facet	75	DF	0.4	LB/A	10-14d PTFLD	A			
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
5	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	83 ab	89 a	145 a
	Facet	75	DF	0.5	LB/A	10-14d PTFLD	A			
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
6	Facet	75	DF	0.2	LB/A	10-14d PTFLD	A	83 a	91 a	154 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
7	Facet	75	DF	0.3	LB/A	10-14d PTFLD	A	83 ab	88 a	146 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
8	Facet	75	DF	0.4	LB/A	10-14d PTFLD	A	83 ab	91 a	150 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
9	Facet	75	DF	0.5	LB/A	10-14d PTFLD	A	83 a	91 a	147 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
10	Regiment	80	WP	0.6	OZ/A	10-14d PTFLD	A	82 ab	89 a	146 a
	Dyne-A-Pak		L	19.2	FL OZ/A	10-14d PTFLD	A			
11	Clincher SF	2.38	EC	15	FL OZ/A	10-14d PTFLD	A	82 bc	89 a	152 a
	MSO Adjuvant		L	1	QT/A	10-14d PTFLD	A			
	Clincher SF	2.38	EC	10	FL OZ/A	10 DA-A	B			
	MSO Adjuvant		L	1	QT/A	10 DA-A	B			
12	Nontreated							82 ab	89 a	128 b
	Standard Deviation							0.5	4.5	10.1
	CV							0.63	5.02	6.77

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Objectives:
To determine the effectiveness of Strada as a component of late postemergence weed control programs.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

Pest 4 Type: W **Code:** SEBEX *Sesbania exaltata*
Common Name: Hemp sesbania

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C	D
Application Date:	9-May-07	24-May-07	5-Jun-07	13-Jun-07
Time of Day:	3:00 pm	6:30 am	2:00 pm	7:30 am
Application Method:	Broadcast	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	VEPOST	LPOST	PTFLD
Application Placement:	Soil	Foliar	Foliar	Foliar
Applied By:	JAB	LCV	JAB	JAB
Air Temperature, Unit:	77 F	73 F	94 F	77 F
% Relative Humidity:	75	76	64	72
Wind Velocity, Unit:	0 MPH	0 MPH	4 MPH	4 MPH
Wind Direction:			W	N
Dew Presence (Y/N):	N	N	N	N
Soil Temperature, Unit:	73 F	74 F	77 F	
Soil Moisture:	Mud	Mud	Adequate	Flood
% Cloud Cover:	100	0	15	5

Crop Stage At Each Application

	A	B	C	D
Crop 1 Code:	ORYSA	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 leaf	1 tiller	3 tiller
Stage Minimum, Percent:		2 leaf	1 tiller	2 tiller
Stage Maximum, Percent:		2 leaf	1 tiller	3 tiller
Height, Unit:		5 IN	9 IN	13 IN
Height Minimum, Maximum:		4 5	8 9	12 13

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
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:		2 leaf	4 leaf	5 leaf
Stage Minimum, Percent:		1 leaf	3 leaf	4 leaf
Stage Maximum, Percent:		2 leaf	5 leaf	6 leaf
Height, Unit:		0.5 IN	3 IN	7 IN
Height Minimum, Maximum:		0.5 0.5	2 4	5 9
Density, Unit:		3 FT2	3 FT2	3 FT2
Pest 2 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:			7 leaf	
Stage Minimum, Percent:			6 leaf	
Stage Maximum, Percent:			7 leaf	
Height, Unit:			6 IN	
Height Minimum, Maximum:			5 7	
Density, Unit:			2 FT2	
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:			7 leaf	
Stage Minimum, Percent:			6 leaf	
Stage Maximum, Percent:			7 leaf	
Height, Unit:			6 IN	
Height Minimum, Maximum:			5 7	
Density, Unit:			2 FT2	
Pest 4 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:			6 leaf	
Stage Minimum, Percent:			5 leaf	
Stage Maximum, Percent:			7 leaf	
Height, Unit:			6 IN	
Height Minimum, Maximum:			4 8	
Density, Unit:			7 FT2	

Application Equipment

	A	B	C	D
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	31 PSI	28 PSI	35 PSI
Nozzle Type:	DG	AI	AI	TT
Nozzle Size:	110015VS	110015VS	110015VS	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3.5 MPH	3 MPH	3.5 MPH
Carrier:	Water	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Date	By	Notes
9-May-07	JAB	PRE was sprayed in drizzle.
12-Jun-07	JAB	Deep water prevented accurate rating of of some species. IPOLA and IPOHE submerged in most plots, except where runners were present.
19-Jun-07	JAB	All treatments worked well. SuperWham and Grandstand treatments produced slight height reduction. All IPOLA and IPOHE were killed by flood.
18-Sep-07	JAB	Front block in first rep had poor stand. Yield from these plots was not included in analysis.

Date	By	Deviations
24-May-07	JAB	Changed VEPOST applications to EPOST.

Reasons: No grass was present when rice began to emerge.

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	24-May-07 Rice Injury % 15 0 15 DA-A 1	5-Jun-07 Rice Injury % 27 0 12 DA-B 2	12-Jun-07 Rice Injury % 34 7 7 DA-C 3	19-Jun-07 Rice Injury % 41 6 14 DA-C 4	3-Jul-07 Rice Injury % 55 20 28 DA-C 5	1-Aug-07 Rice Injury % 84 49 57 DA-C 6
1	Treated Check							0 a	0 a	0 b	0 b	0 a	0 a
	Command	3	ME	0.8	PT/A	PRE	A						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
2	Command	3	ME	0.8	PT/A	PRE	A	2 a	0 a	0 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
3	Command	3	ME	0.8	PT/A	PRE	A	0 a	0 a	5 a	1 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
4	Command	3	ME	0.8	PT/A	PRE	A	0 a	0 a	5 a	2 a	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
5	Strada	50	WG	2.1	OZ/A	M or LPOST	C		0 a	0 b	0 b	0 a	0 a
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
6	Newpath	2	AS	6	FL OZ/A	VEPOST	B		0 a	1 b	0 b	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
7	Grasp	2	SC	2	FL OZ/A	M or LPOST	C		0 a	0 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
8	Command	3	ME	0.8	PT/A	PRE	A	0 a	0 a	1 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
9	Command	3	ME	0.8	PT/A	PRE	A	3 a	0 a	0 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.25	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
10	Command	3	ME	0.8	PT/A	PRE	A	0 a	0 a	1 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.33	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
11	Command	3	ME	0.8	PT/A	PRE	A	4 a	0 a	0 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Grandstand R	3	SL	10.7	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
12	Command	3	ME	0.8	PT/A	PRE	A	3 a	0 a	1 b	0 b	0 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Aim	2	EC	1	FL OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-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
	Pest Code												
	Rating Date							24-May-07	5-Jun-07	12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							15 0	27 0	34 7	41 6	55 20	84 49
	Trt-Eval Interval							15 DA-A	12 DA-B	7 DA-C	14 DA-C	28 DA-C	57 DA-C
13	Command	3	ME	0.8	PT/A	PRE	A	1 a	0 a	5 a	2 a	0 a	0 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
14	Newpath	2	AS	6	FL OZ/A	VEPOST	B		0 a	0 b	0 b	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Permit	75	WG	1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
15	Command	3	ME	0.8	PT/A	PRE	A	3 a	0 a	0 b	0 b	0 a	0 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	Duet	4.03	EC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
16	Newpath	2	AS	6	FL OZ/A	VEPOST	B		0 a	4 a	0 b	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Standard Deviation							2.0	0.0	1.5	0.8	0.0	0.0
	CV							153.58	0.0	105.78	249.59	0.0	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ECHCG 24-May-07 Control % 15 0 15 DA-A	ECHCG 5-Jun-07 Control % 27 0 12 DA-B	ECHCG 12-Jun-07 Control % 34 7 7 DA-C	ECHCG 19-Jun-07 Control % 41 6 14 DA-C	ECHCG 3-Jul-07 Control % 55 20 28 DA-C	ECHCG 1-Aug-07 Control % 84 49 57 DA-C
								7	8	9	10	11	12
1	Treated Check							94 a	88 c	86 a	85 cd	95 a	96 a
	Command	3	ME	0.8	PT/A	PRE	A						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
2	Command	3	ME	0.8	PT/A	PRE	A	94 a	94 ab	95 a	90 abc	95 a	98 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
3	Command	3	ME	0.8	PT/A	PRE	A	94 a	95 a	93 a	91 ab	95 a	97 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
4	Command	3	ME	0.8	PT/A	PRE	A	95 a	95 a	92 a	95 a	95 a	93 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
5	Strada	50	WG	2.1	OZ/A	M or LPOST	C		0 d	44 b	81 de	90 b	97 a
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
6	Newpath	2	AS	6	FL OZ/A	VEPOST	B		95 a	95 a	94 ab	93 ab	96 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
7	Grasp	2	SC	2	FL OZ/A	M or LPOST	C		0 d	35 c	76 e	91 ab	91 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
8	Command	3	ME	0.8	PT/A	PRE	A	94 a	90 bc	88 a	89 abc	94 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
9	Command	3	ME	0.8	PT/A	PRE	A	94 a	93 ab	94 a	91 ab	95 a	97 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.25	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
10	Command	3	ME	0.8	PT/A	PRE	A	94 a	94 ab	91 a	88 bc	95 a	99 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.33	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
11	Command	3	ME	0.8	PT/A	PRE	A	94 a	95 a	95 a	89 abc	95 a	97 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Grandstand R	3	SL	10.7	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
12	Command	3	ME	0.8	PT/A	PRE	A	95 a	94 ab	90 a	89 abc	95 a	96 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Aim	2	EC	1	FL OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
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 Code							ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
	Rating Date							24-May-07	5-Jun-07	12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							15 0	27 0	34 7	41 6	55 20	84 49
	Trt-Eval Interval							15 DA-A	12 DA-B	7 DA-C	14 DA-C	28 DA-C	57 DA-C
13	Command	3	ME	0.8	PT/A	PRE	A	95 a	94 ab	94 a	93 ab	93 ab	99 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
14	Newpath	2	AS	6	FL OZ/A	VEPOST	B		95 a	95 a	94 ab	94 a	99 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Permit	75	WG	1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
15	Command	3	ME	0.8	PT/A	PRE	A	94 a	94 ab	95 a	94 ab	94 a	90 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	Duet	4.03	EC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
16	Newpath	2	AS	6	FL OZ/A	VEPOST	B		95 a	90 a	94 ab	95 a	99 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Standard Deviation							2.1	2.4	6.0	3.8	2.2	5.9
	CV							2.23	2.98	6.99	4.23	2.37	6.1

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16	17	18
	Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA
	Rating Date							24-May-07	12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07	24-May-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							15 0	34 7	41 6	55 20	84 49	15 0
	Trt-Eval Interval							15 DA-A	7 DA-C	14 DA-C	28 DA-C	57 DA-C	15 DA-A
1	Treated Check							0 a	0 g	0 e	0 d	0 b	0 a
	Command	3	ME	0.8	PT/A	PRE	A						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
2	Command	3	ME	0.8	PT/A	PRE	A	0 a	60 ef	89 cd	93 c	96 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
3	Command	3	ME	0.8	PT/A	PRE	A	0 a	92 a	95 ab	95 bc	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
4	Command	3	ME	0.8	PT/A	PRE	A	0 a	95 a	98 a	98 a	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
5	Strada	50	WG	2.1	OZ/A	M or LPOST	C		59 f	91 bc	94 c	99 a	
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
6	Newpath	2	AS	6	FL OZ/A	VEPOST	B		61 ef	86 d	93 c	96 a	
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
7	Grasp	2	SC	2	FL OZ/A	M or LPOST	C		78 bc	95 ab	95 bc	98 a	
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
8	Command	3	ME	0.8	PT/A	PRE	A	0 a	61 ef	92 bc	95 bc	98 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Facet	75	DF	10.7	OZ/A	M or LPOST	C						
	Agri-Dex		L	1	QT/A	M or LPOST	C						
9	Command	3	ME	0.8	PT/A	PRE	A	0 a	74 bc	93 bc	95 bc	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.25	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
10	Command	3	ME	0.8	PT/A	PRE	A	0 a	71 cd	94 ab	95 bc	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Permit	75	WG	0.33	OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
11	Command	3	ME	0.8	PT/A	PRE	A	0 a	71 cd	94 ab	95 bc	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Grandstand R	3	SL	10.7	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						
12	Command	3	ME	0.8	PT/A	PRE	A	0 a	80 b	95 ab	95 bc	99 a	0 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Aim	2	EC	1	FL OZ/A	M or LPOST	C						
	Induce		L	4.8	FL OZ/A	M or LPOST	C						
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D						
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D						

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16	17	18
	Pest Code							SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA
	Rating Date							24-May-07	12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07	24-May-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							15 0	34 7	41 6	55 20	84 49	15 0
	Trt-Eval Interval							15 DA-A	7 DA-C	14 DA-C	28 DA-C	57 DA-C	15 DA-A
13	Command	3	ME	0.8	PT/A	PRE	A	0 a	94 a	95 ab	95 bc	99 a	0 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	SuperWham	4	SC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
14	Newpath	2	AS	6	FL OZ/A	VEPOST	B		66 de	91 bc	93 c	99 a	
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Permit	75	WG	1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
15	Command	3	ME	0.8	PT/A	PRE	A	0 a	89 a	97 ab	97 ab	99 a	0 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C						
	Duet	4.03	EC	4	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
16	Newpath	2	AS	6	FL OZ/A	VEPOST	B		93 a	95 ab	95 bc	99 a	
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B						
	Strada	50	WG	2.1	OZ/A	M or LPOST	C						
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C						
	SuperWham	4	SC	3	QT/A	M or LPOST	C						
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C						
	Standard Deviation							0.0	4.5	3.1	1.7	2.4	0.0
	CV							0.0	6.24	3.57	1.86	2.59	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	19	20	21	22	23	24	25
	Pest Code							IPOLA	IPOLA	IPOLA	IPOLA	IPOHE	IPOHE	IPOHE
	Rating Date							12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07	12-Jun-07	19-Jun-07	3-Jul-07
	Rating Data Type							Control	Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							34 7	41 6	55 20	84 49	34 7	41 6	55 20
	Trt-Eval Interval							7 DA-C	14 DA-C	28 DA-C	57 DA-C	7 DA-C	14 DA-C	28 DA-C
1	Treated Check							0 c	0 c	0 d	90 b	0 d	0 b	0 b
	Command	3	ME	0.8	PT/A	PRE	A							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
2	Command	3	ME	0.8	PT/A	PRE	A	84 ab	95 b	95 c	99 a	84 ab	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Induce		L	4.8	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
3	Command	3	ME	0.8	PT/A	PRE	A	93 a	96 b	96 bc	99 a	95 a	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	SuperWham	4	SC	3	QT/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
4	Command	3	ME	0.8	PT/A	PRE	A	95 a	95 b	95 c	99 a	95 a	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	SuperWham	4	SC	4	QT/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
5	Strada	50	WG	2.1	OZ/A	M or LPOST	C	68 b	95 b	95 c	99 a	70 c	95 a	95 a
	Facet	75	DF	10.7	OZ/A	M or LPOST	C							
	Agri-Dex		L	1	QT/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
6	Newpath	2	AS	6	FL OZ/A	VEPOST	B	79 ab	95 b	95 c	99 a	79 bc	95 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B							
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
7	Grasp	2	SC	2	FL OZ/A	M or LPOST	C	76 ab	95 b	95 c	99 a	79 bc	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
8	Command	3	ME	0.8	PT/A	PRE	A	81 ab	95 b	95 c	99 a	81 b	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Facet	75	DF	10.7	OZ/A	M or LPOST	C							
	Agri-Dex		L	1	QT/A	M or LPOST	C							
9	Command	3	ME	0.8	PT/A	PRE	A	67 b	95 b	95 c	99 a	85 ab	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Permit	75	WG	0.25	OZ/A	M or LPOST	C							
	Induce		L	4.8	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
10	Command	3	ME	0.8	PT/A	PRE	A	81 ab	95 b	95 c	99 a	81 b	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Permit	75	WG	0.33	OZ/A	M or LPOST	C							
	Induce		L	4.8	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
11	Command	3	ME	0.8	PT/A	PRE	A	85 ab	95 b	95 c	99 a	85 ab	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Grandstand R	3	SL	10.7	FL OZ/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							
12	Command	3	ME	0.8	PT/A	PRE	A	89 a	97 ab	97 b	99 a	89 ab	95 a	95 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Aim	2	EC	1	FL OZ/A	M or LPOST	C							
	Induce		L	4.8	FL OZ/A	M or LPOST	C							
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D							
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D							

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	19	20	21	22	23	24	25
Pest Code								IPOLA	IPOLA	IPOLA	IPOLA	IPOHE	IPOHE	IPOHE
Rating Date								12-Jun-07	19-Jun-07	3-Jul-07	1-Aug-07	12-Jun-07	19-Jun-07	3-Jul-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								34 7	41 6	55 20	84 49	34 7	41 6	55 20
Trt-Eval Interval								7 DA-C	14 DA-C	28 DA-C	57 DA-C	7 DA-C	14 DA-C	28 DA-C
13	Command	3	ME	0.8	PT/A	PRE	A	95 a	98 a	98 a	99 a	95 a	95 a	95 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C							
	SuperWham	4	SC	4	QT/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
14	Newpath	2	AS	6	FL OZ/A	VEPOST	B	85 ab	95 b	95 c	99 a	88 ab	95 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B							
	Permit	75	WG	1	OZ/A	M or LPOST	C							
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
15	Command	3	ME	0.8	PT/A	PRE	A	93 a	97 ab	98 a	99 a	94 a	95 a	95 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C							
	Duet	4.03	EC	4	QT/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
16	Newpath	2	AS	6	FL OZ/A	VEPOST	B	94 a	95 b	95 c	99 a	94 a	95 a	95 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B							
	Strada	50	WG	2.1	OZ/A	M or LPOST	C							
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C							
	SuperWham	4	SC	3	QT/A	M or LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C							
Standard Deviation								12.4	1.3	0.6	0.0	6.8	0.0	0.0
CV								15.71	1.47	0.63	0.0	8.43	0.0	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
Pest Code								IPOHE	
Rating Date								1-Aug-07	18-Sep-07
Rating Data Type								Control	Yield
Rating Unit								%	bu/A
Days After First/Last Applic.								84 49	
Trt-Eval Interval								57 DA-C	
1	Treated Check							90 b	132 a
	Command	3	ME	0.8	PT/A	PRE	A		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
2	Command	3	ME	0.8	PT/A	PRE	A	99 a	130 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Induce		L	4.8	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
3	Command	3	ME	0.8	PT/A	PRE	A	99 a	142 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	SuperWham	4	SC	3	QT/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
4	Command	3	ME	0.8	PT/A	PRE	A	99 a	144 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	SuperWham	4	SC	4	QT/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
5	Strada	50	WG	2.1	OZ/A	M or LPOST	C	99 a	125 a
	Facet	75	DF	10.7	OZ/A	M or LPOST	C		
	Agri-Dex		L	1	QT/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
6	Newpath	2	AS	6	FL OZ/A	VEPOST	B	99 a	131 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B		
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
7	Grasp	2	SC	2	FL OZ/A	M or LPOST	C	99 a	136 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
8	Command	3	ME	0.8	PT/A	PRE	A	99 a	135 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Facet	75	DF	10.7	OZ/A	M or LPOST	C		
	Agri-Dex		L	1	QT/A	M or LPOST	C		
9	Command	3	ME	0.8	PT/A	PRE	A	99 a	129 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Permit	75	WG	0.25	OZ/A	M or LPOST	C		
	Induce		L	4.8	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
10	Command	3	ME	0.8	PT/A	PRE	A	99 a	135 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Permit	75	WG	0.33	OZ/A	M or LPOST	C		
	Induce		L	4.8	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
11	Command	3	ME	0.8	PT/A	PRE	A	99 a	142 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Grandstand R	3	SL	10.7	FL OZ/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		
12	Command	3	ME	0.8	PT/A	PRE	A	99 a	136 a
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Aim	2	EC	1	FL OZ/A	M or LPOST	C		
	Induce		L	4.8	FL OZ/A	M or LPOST	C		
	Clincher SF	2.38	EC	15	FL OZ/A	PR or PTFLD	D		
	Agri-Dex		L	19.2	FL OZ/A	PR or PTFLD	D		

Mississippi State University - DREC
Late Postemergence Programs with Strada

Trial ID: 07-WS-33
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code		
Pest Code								IPOHE	
Rating Date								1-Aug-07	18-Sep-07
Rating Data Type								Control	Yield
Rating Unit								%	bu/A
Days After First/Last Applic.								84 49	
Trt-Eval Interval								57 DA-C	
13	Command	3	ME	0.8	PT/A	PRE	A	99 a	150 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C		
	SuperWham	4	SC	4	QT/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
14	Newpath	2	AS	6	FL OZ/A	VEPOST	B	99 a	141 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B		
	Permit	75	WG	1	OZ/A	M or LPOST	C		
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
15	Command	3	ME	0.8	PT/A	PRE	A	99 a	124 a
	Permit	75	WG	0.66	OZ/A	M or LPOST	C		
	Duet	4.03	EC	4	QT/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
16	Newpath	2	AS	6	FL OZ/A	VEPOST	B	99 a	128 a
	Agri-Dex		L	19.2	FL OZ/A	VEPOST	B		
	Strada	50	WG	2.1	OZ/A	M or LPOST	C		
	Newpath	2	AS	4	FL OZ/A	M or LPOST	C		
	SuperWham	4	SC	3	QT/A	M or LPOST	C		
	Agri-Dex		L	19.2	FL OZ/A	M or LPOST	C		
Standard Deviation								0.0	13.7
CV								0.0	10.16

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Texasweed Control

Trial ID: 07-WS-34
Location: Carter Murrell - Arcola

Objectives:
To determine the efficacy of Strada tank-mixed with other herbicides for control of texasweed.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Sabine **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 28-Mar-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth
Soil Moisture: Adequate **Emergence Date:** 7-Apr-07
Harvest Equipment: NA

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

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	28-Mar-07	Command	3	ME	1	PT/A	N
2.	10-Apr-07	Ammonium sulfate (21-0-0)	21	GR	100	LB/A	N
3.	24-May-07	Ricestar HT	0.58	EC	24	FL OZ/A	Y
4.	24-May-07	Agri-Dex		L	1	QT/A	Y
5.	29-May-07	Grandstand	3	SL	12	FL OZ/A	Y
6.	29-May-07	Permit	75	DF	0.67	OZ/A	Y
7.	29-May-07	Agri-Dex		L	1	QT/A	Y
8.	31-May-07	Urea (46-0-0)	46	GR	400	LB/A	N

Comment: Urea was applied in four applications of 100 LB/A at weekly intervals.

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal

	Date	Type
1.	22-May-07	Flush
2.	1-Jun-07	Flood

Mississippi State University - DREC
Strada Combinations for Texasweed Control

Trial ID: 07-WS-34
Location: Carter Murrell - Arcola

Application Description

	A	B
Application Date:	12-May-07	21-May-07
Time of Day:	2:30 pm	8:30 pm
Application Method:	Broadcast	Broadcast
Application Timing:	2-4" weed	6-8" weed
Application Placement:	Foliar	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	87 F	80 F
% Relative Humidity:	53	52
Wind Velocity, Unit:	3 MPH	3 MPH
Wind Direction:	N	NE
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	77 F	76 F
Soil Moisture:	Adequate	Dry
% Cloud Cover:	50	70

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:	2 tiller	3 tiller
Stage Minimum, Percent:	1 tiller	2 tiller
Stage Maximum, Percent:	2 tiller	3 tiller
Height, Unit:	7 IN	9 IN
Height Minimum, Maximum:	6 8	7 10

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	CNPPA W	CNPPA W
Stage Majority, Percent:	4 leaf	5 leaf
Stage Minimum, Percent:	1 leaf	1 leaf
Stage Maximum, Percent:	7 leaf	9 leaf
Height, Unit:	4 IN	6 IN
Height Minimum, Maximum:	1 6	1 10
Density, Unit:	13 FT2	13 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	22 PSI	22 PSI
Nozzle Type:	TT	DG
Nozzle Size:	11002	80015VS
Nozzle Spacing, Unit:	20 IN	20 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
12-May-07	JAB	CNPPA was thin in spots and very thick in others. Cotyledon to seven-leaf weeds.
12-May-07	JAB	Rice injury in Grasp and Regiment plots. Regrowth in Aim plots. Grandstand control was poor.

Mississippi State University - DREC
Strada Combinations for Texasweed Control

Trial ID: 07-WS-34
Location: Carter Murrell - Arcola

Pest Code														CNPPA	CNPPA
Rating Date								21-May-07	29-May-07	4-Jun-07	19-Jun-07	CNPPA 21-May-07	CNPPA 29-May-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								9 0	17 8	23 14	38 29	9 0	17 8
Trt-Eval Interval								9 DA-A	8 DA-B	14 DA-B	29 DA-B	9 DA-A	8 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
1	Nontreated							0 c	0 c	0 c	0 b	0 e	0 d
2	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	0 c	0 c	0 c	0 b	50 d	71 ab
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A						
3	Regiment	80	WP	0.5	OZ/A	2-4" weeds	A	0 c	0 c	5 b	0 b	59 c	81 a
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A						
	Dyne-A-Pak		L	28.8	FL OZ/A	2-4" weeds	A						
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A						
4	Grasp	2	SC	2.3	FL OZ/A	2-4" weeds	A	0 c	0 c	10 a	5 a	59 c	73 ab
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A						
	Agri-Dex		L	1.2	QT/A	2-4" weeds	A						
5	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	0 c	0 c	0 c	0 b	58 cd	71 ab
	Grandstand R	3	SL	8	FL OZ/A	2-4" weeds	A						
	Induce		L	9.6	FL OZ/A	2-4" weeds	A						
6	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	5 b	0 c	0 c	0 b	83 a	81 a
	SuperWham	4	SC	3	QT/A	2-4" weeds	A						
	Agri-Dex		L	1	QT/A	2-4" weeds	A						
7	Grandstand R	3	SL	11	FL OZ/A	2-4" weeds	A	0 c	0 c	0 c	0 b	51 cd	51 c
	Induce		L	9.6	FL OZ/A	2-4" weeds	A						
8	Aim	2	EC	1	FL OZ/A	2-4" weeds	A	8 a	4 b	0 c	0 b	73 b	73 ab
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A						
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A						
9	Regiment	80	WP	0.5	OZ/A	6-8" weeds	B		8 a	5 b	1 b		49 c
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B						
	Dyne-A-Pak		L	28.8	FL OZ/A	6-8" weeds	B						
	Kinetic HV		L	2.4	FL OZ/A	6-8" weeds	B						
10	Grasp	2	SC	2.3	FL OZ/A	6-8" weeds	B		3 bc	6 b	2 b		44 c
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B						
	Agri-Dex		L	1.2	QT/A	6-8" weeds	B						
11	Strada	50	WG	2.1	OZ/A	6-8" weeds	B		3 bc	1 c	0 b		45 c
	Grandstand R	3	SL	8	FL OZ/A	6-8" weeds	B						
	Induce		L	9.6	FL OZ/A	6-8" weeds	B						
12	Strada	50	WG	2.1	OZ/A	6-8" weeds	B		4 b	1 c	0 b		71 ab
	SuperWham	4	SC	4	QT/A	6-8" weeds	B						
	Agri-Dex		L	1	QT/A	6-8" weeds	B						
13	Grandstand R	3	SL	11	FL OZ/A	6-8" weeds	B		0 c	1 c	0 b		45 c
	Induce		L	9.6	FL OZ/A	6-8" weeds	B						
14	Aim	2	EC	1	FL OZ/A	6-8" weeds	B		6 a	0 c	0 b		69 b
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B						
	Kinetic HV		L	2.4	FL OZ/A	6-8" weeds	B						
Standard Deviation								0.7	1.6	1.6	1.5	4.9	7.5
CV								45.73	83.59	78.4	265.1	9.14	12.79

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Strada Combinations for Texasweed Control

Trial ID: 07-WS-34
Location: Carter Murrell - Arcola

Pest Code								CNPPA		CNPPA	
Rating Date								4-Jun-07		19-Jun-07	
Rating Data Type								Control		Control	
Rating Unit								%		%	
Days After First/Last Applic.								23	14	38	29
Trt-Eval Interval								14 DA-B		29 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7		8	
1	Nontreated							0	e	0	c
2	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	75	ab	76	a
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A				
3	Regiment	80	WP	0.5	OZ/A	2-4" weeds	A	84	a	86	a
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A				
	Dyne-A-Pak		L	28.8	FL OZ/A	2-4" weeds	A				
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A				
4	Grasp	2	SC	2.3	FL OZ/A	2-4" weeds	A	73	ab	78	a
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A				
	Agri-Dex		L	1.2	QT/A	2-4" weeds	A				
5	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	73	ab	84	a
	Grandstand R	3	SL	8	FL OZ/A	2-4" weeds	A				
	Induce		L	9.6	FL OZ/A	2-4" weeds	A				
6	Strada	50	WG	2.1	OZ/A	2-4" weeds	A	70	b	70	a
	SuperWham	4	SC	3	QT/A	2-4" weeds	A				
	Agri-Dex		L	1	QT/A	2-4" weeds	A				
7	Grandstand R	3	SL	11	FL OZ/A	2-4" weeds	A	49	d	50	b
	Induce		L	9.6	FL OZ/A	2-4" weeds	A				
8	Aim	2	EC	1	FL OZ/A	2-4" weeds	A	68	bc	54	b
	Strada	50	WG	2.1	OZ/A	2-4" weeds	A				
	Kinetic HV		L	2.4	FL OZ/A	2-4" weeds	A				
9	Regiment	80	WP	0.5	OZ/A	6-8" weeds	B	56	cd	81	a
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B				
	Dyne-A-Pak		L	28.8	FL OZ/A	6-8" weeds	B				
	Kinetic HV		L	2.4	FL OZ/A	6-8" weeds	B				
10	Grasp	2	SC	2.3	FL OZ/A	6-8" weeds	B	51	d	76	a
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B				
	Agri-Dex		L	1.2	QT/A	6-8" weeds	B				
11	Strada	50	WG	2.1	OZ/A	6-8" weeds	B	50	d	85	a
	Grandstand R	3	SL	8	FL OZ/A	6-8" weeds	B				
	Induce		L	9.6	FL OZ/A	6-8" weeds	B				
12	Strada	50	WG	2.1	OZ/A	6-8" weeds	B	74	ab	85	a
	SuperWham	4	SC	4	QT/A	6-8" weeds	B				
	Agri-Dex		L	1	QT/A	6-8" weeds	B				
13	Grandstand R	3	SL	11	FL OZ/A	6-8" weeds	B	47	d	73	a
	Induce		L	9.6	FL OZ/A	6-8" weeds	B				
14	Aim	2	EC	1	FL OZ/A	6-8" weeds	B	74	ab	80	a
	Strada	50	WG	2.1	OZ/A	6-8" weeds	B				
	Kinetic HV		L	2.4	FL OZ/A	6-8" weeds	B				
Standard Deviation								8.2		10.7	
CV								13.71		15.39	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Objectives:
To determine the impact of early-season sedge and broadleaf competition and to quantify the benefits of Permit on rice yields when applied as a preplant and preemergence treatment.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

Pest 1 Type: W **Code:** CYPES *Cyperus esculentus*
Common Name: Yellow nutsedge

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

Pest 3 Type: W **Code:** GLYMA *Glycine max*
Common Name: Volunteer Roundup Ready soybean

Pest 4 Type: W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Barnyardgrass

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.	29-May-07	Ricestar HT	0.58	EC	17	FL OZ/A	N
2.	6-Jun-07	Grandstand R	3	SL	12	FL OZ/A	Y
3.	6-Jun-07	Permit	75	DF	0.67	OZ/A	Y
4.	6-Jun-07	Induce			0.25	% v/v	Y
5.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
6.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 1-Apr-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

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B
Application Date:	27-Apr-07	8-May-07
Time of Day:	8:00 am	10:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	10-14 DPP	PRE
Application Placement:	Foliar	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	58 F	82 F
% Relative Humidity:	74	68
Wind Velocity, Unit:	5 MPH	2 MPH
Wind Direction:	NW	E
Dew Presence (Y/N):	Y	N
Soil Temperature, Unit:	61 F	76 F
Soil Moisture:	Mud	Adequate
% Cloud Cover:	0	60

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	CYPES W	CYPES W
Stage Majority, Percent:	6 leaf	8 leaf
Stage Minimum, Percent:	5 leaf	8 leaf
Stage Maximum, Percent:	6 leaf	8 leaf
Height, Unit:	6 IN	8 IN
Height Minimum, Maximum:	6 6	8 8
Density, Unit:	1 FT2	1 FT2
Pest 2 Code, Disc., Scale:	SEBEX W	SEBEX W
Stage Majority, Percent:	2 leaf	3 leaf
Stage Minimum, Percent:	1 leaf	2 leaf
Stage Maximum, Percent:	2 leaf	2 leaf
Height, Unit:	2 IN	5 IN
Height Minimum, Maximum:	2 2	4 5
Density, Unit:	3 FT2	3 FT2
Pest 3 Code, Disc., Scale:	GLYMA W	GLYMA W
Stage Majority, Percent:	V1	V2
Stage Minimum, Percent:	V1	V2
Stage Maximum, Percent:	V1	V2
Height, Unit:	2 IN	5 IN
Height Minimum, Maximum:	2 2	4 5
Density, Unit:	1 FT2	1 FT2
Pest 4 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:	2 leaf	4 leaf
Stage Minimum, Percent:	1 leaf	3 leaf
Stage Maximum, Percent:	2 leaf	4 leaf
Height, Unit:	0.5 IN	4 IN
Height Minimum, Maximum:	0.5 0.5	3 4
Density, Unit:	15 FT2	8 FT2

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	26 PSI
Nozzle Type:	DG	DG
Nozzle Size:	11002VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
1-Apr-07	JAB	Spread CYPES and SEBEX seed.
7-Jun-07	JAB	CYPES was present in every plot. Possible residual control. Possible visual injury as height reduction.
2-Jul-07	JAB	Injury was slight height reduction. Rice was stunted and roots were pruned at 2 WAF, but rice quickly recovered and this response could not be attributed to treatments.

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-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
Pest Code												ECHCG
Rating Date								15-May-07	22-May-07	7-Jun-07	2-Jul-07	8-May-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
Rating Unit								%	%	%	%	%
Days After First/Last Applic.								18 7	25 14	41 30	66 55	11 0
Trt-Eval Interval								7 DA-B	14 DA-B	30 DA-B	55 DA-B	11 DA-A
1	10-14 days preplant							0 b	0 b	0 b	0 a	99 a
	Treated Check											
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
2	10-14 days preplant							2 ab	0 b	0 b	0 a	99 a
	Permit	75	WG	0.5	OZ/A	10-14 DPP	A					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
3	10-14 days preplant							4 a	1 b	1 b	0 a	99 a
	Permit	75	WG	0.67	OZ/A	10-14 DPP	A					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
4	Preemergence							0 b	1 b	0 b	0 a	
	Treated Check											
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
5	Preemergence							3 ab	5 a	5 a	3 a	
	Permit	75	WG	0.5	OZ/A	PRE	B					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
6	Preemergence							5 a	6 a	5 a	1 a	
	Permit	75	WG	0.67	OZ/A	PRE	B					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
Standard Deviation								2.2	1.8	1.1	1.5	0.0
CV								102.3	78.05	66.3	243.0	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
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 Code							ECHCG	ECHCG	ECHCG	SEBEX	SEBEX	SEBEX
	Rating Date							15-May-07	22-May-07	2-Jul-07	8-May-07	15-May-07	22-May-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							18 7	25 14	66 55	11 0	18 7	25 14
	Trt-Eval Interval							7 DA-B	14 DA-B	55 DA-B	11 DA-A	7 DA-B	14 DA-B
1	10-14 days preplant							99 a	86 a	90 a	93 a	81 a	81 a
	Treated Check												
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
2	10-14 days preplant							99 a	79 b	87 a	92 a	71 a	78 a
	Permit	75	WG	0.5	OZ/A	10-14 DPP	A						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
3	10-14 days preplant							99 a	85 a	85 a	91 a	81 a	81 a
	Permit	75	WG	0.67	OZ/A	10-14 DPP	A						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
4	Preemergence							91 b	91 a	86 a		89 a	84 a
	Treated Check												
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
5	Preemergence							91 b	91 a	91 a		85 a	88 a
	Permit	75	WG	0.5	OZ/A	PRE	B						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
6	Preemergence							91 b	90 a	85 a		90 a	90 a
	Permit	75	WG	0.67	OZ/A	PRE	B						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
	Standard Deviation							2.7	3.8	4.4	2.9	8.6	7.3
	CV							2.85	4.37	5.02	3.18	10.37	8.71

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	12	13	14	15	16	17
Pest Code								SEBEX	SEBEX	IPOLA	IPOLA	GLYMA	GLYMA
Rating Date								7-Jun-07	2-Jul-07	7-Jun-07	2-Jul-07	8-May-07	15-May-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								41 30	66 55	41 30	66 55	11 0	18 7
Trt-Eval Interval								30 DA-B	55 DA-B	30 DA-B	55 DA-B	11 DA-A	7 DA-B
1	10-14 days preplant							53 b	99 a	0 c	99 a	0 b	0 c
	Treated Check												
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
2	10-14 days preplant							63 ab	99 a	48 b	99 a	79 a	74 a
	Permit	75	WG	0.5	OZ/A	10-14 DPP	A						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
3	10-14 days preplant							79 a	97 a	60 ab	99 a	79 a	76 a
	Permit	75	WG	0.67	OZ/A	10-14 DPP	A						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
4	Preemergence							65 ab	99 a	0 c	99 a		0 c
	Treated Check												
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
5	Preemergence							85 a	99 a	64 a	99 a		48 b
	Permit	75	WG	0.5	OZ/A	PRE	B						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
6	Preemergence							83 a	98 a	70 a	99 a		55 b
	Permit	75	WG	0.67	OZ/A	PRE	B						
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
Standard Deviation								14.3	1.9	8.8	0.0	4.3	6.4
CV								20.1	1.94	21.84	0.0	8.17	15.13

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	18	19	20	21	22	23
	Pest Code							GLYMA	GLYMA	GLYMA	CYPES	CYPES	CYPES
	Rating Date							22-May-07	7-Jun-07	2-Jul-07	8-May-07	15-May-07	22-May-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							25 14	41 30	66 55	11 0	18 7	25 14
	Trt-Eval Interval							14 DA-B	30 DA-B	55 DA-B	11 DA-A	7 DA-B	14 DA-B
1	10-14 days preplant												
	Treated Check							0 d	0 c	99 a	60 b	63 c	54 c
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
2	10-14 days preplant												
	Permit	75	WG	0.5	OZ/A	10-14 DPP	A	76 a	77 a	99 a	79 a	80 ab	87 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
3	10-14 days preplant												
	Permit	75	WG	0.67	OZ/A	10-14 DPP	A	70 ab	68 b	99 a	85 a	85 a	88 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A						
	Command	3	ME	1.3	PT/A	10-14 DPP	A						
4	Preemergence												
	Treated Check							0 d	0 c	99 a		50 d	73 b
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
5	Preemergence												
	Permit	75	WG	0.5	OZ/A	PRE	B	58 c	75 ab	99 a		64 c	91 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
6	Preemergence												
	Permit	75	WG	0.67	OZ/A	PRE	B	63 bc	76 ab	99 a		69 bc	90 a
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B						
	Command	3	ME	1.3	PT/A	PRE	B						
	Standard Deviation							5.4	5.9	0.0	9.6	7.7	6.0
	CV							12.28	11.88	0.0	12.85	11.19	7.43

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Preplant and Preemergence Permit Applications

Trial ID: 07-WS-35
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	CYPES 7-Jun-07 Control % 41 30 30 DA-B 24	CYPES 2-Jul-07 Control % 66 55 55 DA-B 25	50% Head DAE 27	17-Sep-07 Height cm 28	18-Sep-07 Yield bu/A 31
1	10-14 days preplant							0 d	90 bc	81 bc	97 a	182 a
	Treated Check											
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
2	10-14 days preplant							85 b	94 ab	81 c	97 a	189 a
	Permit	75	WG	0.5	OZ/A	10-14 DPP	A					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
3	10-14 days preplant							85 b	93 ab	82 ab	95 a	185 a
	Permit	75	WG	0.67	OZ/A	10-14 DPP	A					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	10-14 DPP	A					
	Command	3	ME	1.3	PT/A	10-14 DPP	A					
4	Preemergence							25 c	88 c	82 a	95 a	190 a
	Treated Check											
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
5	Preemergence							88 ab	96 a	82 ab	97 a	179 a
	Permit	75	WG	0.5	OZ/A	PRE	B					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
6	Preemergence							93 a	95 a	82 ab	97 a	183 a
	Permit	75	WG	0.67	OZ/A	PRE	B					
	Roundup Weathermax	5.5	AS	23.3	FL OZ/A	PRE	B					
	Command	3	ME	1.3	PT/A	PRE	B					
Standard Deviation								4.1	2.9	0.5	1.8	12.1
CV								6.63	3.12	0.6	1.92	6.55

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 07-WS-36
Location: DREC

Objectives:
To evaluate application rates of Ricestar HT and tank-mix combinations.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 20-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

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.	29-May-07	Aim	2	EC	1.67	FL OZ/A	Y
2.	29-May-07	Induce		L	0.25	% v/v	Y
3.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
4.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 07-WS-36
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	5-Jun-07
Time of Day:	9:30 am
Application Method:	Broadcast
Application Timing:	LPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	86 F
% Relative Humidity:	45
Wind Velocity, Unit:	6 MPH
Wind Direction:	W
Dew Presence (Y/N):	N
Soil Temperature, Unit:	76 F
Soil Moisture:	Adequate
% Cloud Cover:	5

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	1 tiller
Stage Minimum, Percent:	1 tiller
Stage Maximum, Percent:	1 tiller
Height, Unit:	9 IN
Height Minimum, Maximum:	8 9

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	2 till
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	2 till
Height, Unit:	4 IN
Height Minimum, Maximum:	2 6
Density, Unit:	7 FT2

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 07-WS-36
Location: DREC

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	32 PSI
Nozzle Type:	AI
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
6-May-07	JAB	Grass population was low in reps 3 and 4.
19-Jun-07	JAB	Ricestar HT plus Grasp provided lowest control of ECHCG.

Date	By	Deviations
5-Jun-07	JAB	Change EPOST to LPOST

Reasons: Grass pressure was low. Very little grass emerged at EPOST timing.

Date	By	Deviations
5-Jun-07	JAB	Delete treatments 2 and 3.

Reasons: These treatments were designed to be sprayed under dry conditions. Because grass emergence was unreliable, these treatments could not be timed with dry conditions and adequate grass population.

Mississippi State University - DREC
Ricestar HT Weed Control Programs

Trial ID: 07-WS-36
Location: DREC

Pest Code												
Rating Date								19-Jun-07	3-Jul-07	19-Jun-07	3-Jul-07	20-Sep-07
Rating Data Type								Rice Injury	Rice Injury	Control	Control	Yield
Rating Unit								%	%	%	%	bu/A
Days After First/Last Applic.								14 14	28 28	14 14	28 28	
Trt-Eval Interval								14 DA-A	28 DA-A	14 DA-A	28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	8	Growth Stage	Appl Code	1	2	3	4	8
1	Nontreated							0 a	0 a	0 d	0 c	173 d
4	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B	0 a	0 a	94 ab	96 a	182 bcd
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
5	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B	1 a	0 a	95 a	90 ab	185 a-d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
6	Clincher SF	2.38	EC	13.5	FL OZ/A	EPOST	B	0 a	0 a	91 abc	91 ab	185 a-d
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
7	Clincher SF	2.38	EC	15	FL OZ/A	EPOST	B	0 a	0 a	93 ab	89 ab	180 cd
	Agri-Dex		L	1	QT/A	EPOST	B					
8	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B	0 a	0 a	94 ab	94 ab	196 abc
	Regiment	80	WP	0.5	OZ PR/A	EPOST	B					
	Dyne-A-Pak		L	28.8	FL OZ/A	EPOST	B					
9	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B	0 a	0 a	93 ab	86 ab	201 a
	Regiment	80	WP	0.5	OZ PR/A	EPOST	B					
	Dyne-A-Pak		L	28.8	FL OZ/A	EPOST	B					
10	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B	3 a	0 a	84 c	84 b	199 ab
	Grasp	2	SC	2.3	FL OZ/A	EPOST	B					
	Agri-Dex		L	1	QT/A	EPOST	B					
11	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B	1 a	0 a	86 bc	95 ab	187 a-d
	Grasp	2	SC	2.3	FL OZ/A	EPOST	B					
	Agri-Dex		L	1	QT/A	EPOST	B					
12	Command	3	ME	1.33	PT/A	EPOST	B	0 a	0 a	94 ab	91 ab	189 a-d
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
13	Command	3	ME	1.33	PT/A	EPOST	B	0 a	0 a	94 ab	95 ab	184 a-d
	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
14	Command	3	ME	1.33	PT/A	EPOST	B	0 a	0 a	95 a	95 ab	187 a-d
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B					
	Aim	2	EC	1	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
15	Command	3	ME	1.33	PT/A	EPOST	B	0 a	0 a	95 a	93 ab	195 abc
	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B					
	Aim	2	EC	1	FL OZ/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
16	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B	0 a	0 a	91 abc	94 ab	185 a-d
	Facet	75	DF	0.5	LB/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
17	Ricestar HT	0.58	EC	24	FL OZ/A	EPOST	B	0 a	0 a	90 abc	94 ab	185 a-d
	Facet	75	DF	0.5	LB/A	EPOST	B					
	Agri-Dex		L	19.2	FL OZ/A	EPOST	B					
Standard Deviation								1.1	0.0	4.8	7.0	10.5
CV								335.41	0.0	5.6	8.21	5.63

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Objectives:
To 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:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 19-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

Pest 4 Type: W **Code:** SEBEX *Sesbania exaltata*
Common Name: Hemp sesbania

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.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
2.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C
Application Date:	10-May-07	24-May-07	5-Jun-07
Time of Day:	3:00 pm	8:30 am	2:30 pm
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	DPRE	EPOST	LPOST
Application Placement:	Soil	Foliar	Foliar
Applied By:	JAB	JAB	JAB
Air Temperature, Unit:	82 F	78 F	94 F
% Relative Humidity:	68	63	64
Wind Velocity, Unit:	2 MPH	5 MPH	4 MPH
Wind Direction:	E	SE	W
Dew Presence (Y/N):	N	N	N
Soil Temperature, Unit:	74 F	72 F	77 F
Soil Moisture:	Adequate	Mud	Adequate
% Cloud Cover:	90	0	15

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		2 leaf	1 tiller
Stage Minimum, Percent:		2 leaf	1 tiller
Stage Maximum, Percent:		2 leaf	1 tiller
Height, Unit:		6 IN	9 IN
Height Minimum, Maximum:		4 5	8 9

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:	2 leaf	2 leaf	3 leaf
Stage Minimum, Percent:	2 leaf	2 leaf	3 leaf
Stage Maximum, Percent:	2 leaf	2 leaf	3 leaf
Height, Unit:	1.5 IN	1.5 IN	3 IN
Height Minimum, Maximum:	1.5 1.5	1.5 1.5	2 3
Density, Unit:	15 FT2	15 FT2	3 FT2
Pest 2 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:	1 leaf	3 leaf	5 leaf
Stage Minimum, Percent:	1 leaf	2 leaf	4 leaf
Stage Maximum, Percent:	1 leaf	3 leaf	5 leaf
Height, Unit:	3 IN	3 IN	5 IN
Height Minimum, Maximum:	1 5	2 3	4 5
Density, Unit:	Scatter	1 FT2	2 FT2
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:	1 leaf	3 leaf	5 leaf
Stage Minimum, Percent:	1 leaf	2 leaf	4 leaf
Stage Maximum, Percent:	1 leaf	3 leaf	5 leaf
Height, Unit:	3 IN	3 IN	5 IN
Height Minimum, Maximum:	1 5	2 3	4 5
Density, Unit:	Scatter	1 FT2	2 FT2
Pest 4 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:	2 leaf	3 leaf	6 leaf
Stage Minimum, Percent:	2 leaf	2 leaf	5 leaf
Stage Maximum, Percent:	2 leaf	3 leaf	6 leaf
Height, Unit:	1.5 IN	3 IN	5 IN
Height Minimum, Maximum:	1.5 1.5	2 3	4 6
Density, Unit:	8 FT2	4 FT2	8 FT2

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	31 PSI	28 PSI
Nozzle Type:	AI	TT	AI
Nozzle Size:	110015VS	110015	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3.5 MPH	3 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Date	By	Notes
12-Jun-07	JAB	IPOLA and IPOHE submerged in most plots, except where runners were present.
19-Jun-07	JAB	SuperWham, Grasp, and Grandstand plots showed height reduction. Most IPOLA and IPOHE were killed by flood. NTC plots in reps 2 to 4 were relatively clean due to drift from adjacent plots.

Date	By	Deviations
10-May-07	JAB	Added Agri-Dex at 1 QT/A to all DPRE treatments.

Reasons: Rainfall was received between planting and application.

Date	By	Deviations
5-Jun-07	JAB	Changed MPOST to LPOST

Reasons: Weed pressure low at MPOST timing.

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-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
	Pest Code												ECHCG
	Rating Date							24-May-07	31-May-07	5-Jun-07	12-Jun-07	19-Jun-07	24-May-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							14 0	21 7	26 0	33 7	40 14	14 0
	Trt-Eval Interval							14 DA-A	7 DA-B	12 DA-B	7 DA-C	14 DA-C	14 DA-A
1	Nontreated							0 a	0 f	0 d	0 d	0 c	0 c
2	Command	3	ME	1.6	PT/A	DPRE	A	3 a	1 ef	1 cd	0 d	0 c	94 ab
	Facet	75	DF	0.67	LB/A	DPRE	A						
3	Command	3	ME	1.33	PT/A	DPRE	A	1 a	0 f	1 cd	1 d	0 c	90 b
	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 a	4 de	0 d	8 a	1 c	94 ab
	SuperWham	4	SC	4	QT/A	MPOST	C						
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C						
	Agri-Dex		L	1	QT/A	MPOST	C						
5	Command	3	ME	1.33	PT/A	DPRE	A	1 a	9 abc	5 ab	3 cd	1 c	95 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	EPOST	B						
	Agri-Dex		L	1	QT/A	EPOST	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	4 a	0 f	1 cd	0 d	0 c	94 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 a	0 f	0 d	0 d	0 c	91 ab
	Regiment	80	WP	0.5	OZ/A	MPOST	C						
	Dyne-A-Pak		L	28.8	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 a	1 ef	1 cd	3 cd	5 ab	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		10 a	7 a	6 ab	6 a	
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Agri-Dex		L	1	QT/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	0.6	QT/A	LPOST ASN	D						
10	Command	3	ME	1	PT/A	EPOST	B		6 bcd	1 cd	3 bcd	1 c	
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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		10 a	5 ab	3 bcd	1 c	
	SuperWham	4	SC	4	QT/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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						
12	SuperWham	4	SC	4	QT/A	EPOST	B		10 ab	4 bc	5 abc	3 bc	
	Agri-Dex		L	1	QT/A	EPOST	B						
	SuperWham	4	SC	4	QT/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-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
Pest Code													ECHCG
Rating Date								24-May-07	31-May-07	5-Jun-07	12-Jun-07	19-Jun-07	24-May-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								14 0	21 7	26 0	33 7	40 14	14 0
Trt-Eval Interval								14 DA-A	7 DA-B	12 DA-B	7 DA-C	14 DA-C	14 DA-A
13	Duet	4.03	EC	4	QT/A	EPOST	B		6 cd	5 ab	3 bcd	2 c	
	Agri-Dex		L	1	QT/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D						
	Induce		L	4.8	FL OZ/A	LPOST ASN	D						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
14	SuperWham	4	SC	4	QT/A	EPOST	B		10 a	7 ab	1 d	3 bc	
	Agri-Dex		L	1	QT/A	EPOST	B						
	Facet	75	DF	0.5	LB/A	LPOST	D						
	Permit	75	WG	0.67	OZ/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						
Standard Deviation								2.5	2.2	1.8	2.2	1.7	2.5
CV								226.52	46.13	67.8	82.91	110.5	3.08

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ECHCG 31-May-07 Control % 21 7 7 DA-B	ECHCG 5-Jun-07 Control % 26 0 12 DA-B	ECHCG 12-Jun-07 Control % 33 7 7 DA-C	ECHCG 19-Jun-07 Control % 40 14 14 DA-C	SEBEX 24-May-07 Control % 14 0 14 DA-A	SEBEX 31-May-07 Control % 21 7 7 DA-B
1	Nontreated							0 c	0 d	0 e	0 c	0 c	0 d
2	Command	3	ME	1.6	PT/A	DPRE	A	96 ab	95 c	90 bcd	94 ab	83 a	83 ab
	Facet	75	DF	0.67	LB/A	DPRE	A						
3	Command	3	ME	1.33	PT/A	DPRE	A	96 ab	96 bc	95 ab	97 a	76 b	84 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	97 ab	97 abc	97 a	97 a	0 c	44 c
	SuperWham	4	SC	4	QT/A	MPOST	C						
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C						
	Agri-Dex		L	1	QT/A	MPOST	C						
5	Command	3	ME	1.33	PT/A	DPRE	A	98 a	97 abc	92 abc	95 a	0 c	97 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	EPOST	B						
	Agri-Dex		L	1	QT/A	EPOST	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	96 ab	97 abc	95 ab	97 a	86 a	63 bc
	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	96 bc	93 abc	96 a	0 c	0 d
	Regiment	80	WP	0.5	OZ/A	MPOST	C						
	Dyne-A-Pak		L	28.8	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 ab	96 bc	91 a-d	95 a	0 c	0 d
	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	98 a	97 ab	91 a-d	90 b		98 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Agri-Dex		L	1	QT/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	0.6	QT/A	LPOST ASN	D						
10	Command	3	ME	1	PT/A	EPOST	B	98 a	98 a	93 abc	97 a		0 d
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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	98 a	98 a	93 ab	96 a		98 a
	SuperWham	4	SC	4	QT/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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						
12	SuperWham	4	SC	4	QT/A	EPOST	B	98 a	96 bc	95 ab	94 ab		98 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	SuperWham	4	SC	4	QT/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
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 Code							ECHCG	ECHCG	ECHCG	ECHCG	SEBEX	SEBEX
	Rating Date							31-May-07	5-Jun-07	12-Jun-07	19-Jun-07	24-May-07	31-May-07
	Rating Data Type							Control	Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							21 7	26 0	33 7	40 14	14 0	21 7
	Trt-Eval Interval							7 DA-B	12 DA-B	7 DA-C	14 DA-C	14 DA-A	7 DA-B
13	Duet	4.03	EC	4	QT/A	EPOST	B	98 a	97 ab	88 cd	96 a		98 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D						
	Induce		L	4.8	FL OZ/A	LPOST ASN	D						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
14	SuperWham	4	SC	4	QT/A	EPOST	B	98 a	97 ab	86 d	95 a		97 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Facet	75	DF	0.5	LB/A	LPOST	D						
	Permit	75	WG	0.67	OZ/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						
	Standard Deviation							1.9	1.2	3.4	2.7	3.9	18.8
	CV							2.07	1.36	3.96	3.05	12.72	30.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	SEBEX 5-Jun-07 Control % 26 0 12 DA-B	SEBEX 12-Jun-07 Control % 33 7 7 DA-C	SEBEX 19-Jun-07 Control % 40 14 14 DA-C	IPOLA 24-May-07 Control % 14 0 14 DA-A	IPOLA 31-May-07 Control % 21 7 7 DA-B	IPOLA 5-Jun-07 Control % 26 0 12 DA-B
1	Nontreated							0 c	0 d	0 d	0 c	0 d	0 c
2	Command	3	ME	1.6	PT/A	DPRE	A	83 a	85 b	76 c	89 a	89 ab	88 a
	Facet	75	DF	0.67	LB/A	DPRE	A						
3	Command	3	ME	1.33	PT/A	DPRE	A	84 a	97 a	95 ab	80 b	84 ab	86 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	0 c	97 a	98 a	0 c	46 c	0 c
	SuperWham	4	SC	4	QT/A	MPOST	C						
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C						
	Agri-Dex		L	1	QT/A	MPOST	C						
5	Command	3	ME	1.33	PT/A	DPRE	A	98 a	97 a	97 a	0 c	97 a	96 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	EPOST	B						
	Agri-Dex		L	1	QT/A	EPOST	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	83 a	92 a	98 a	89 a	63 bc	79 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	71 c	93 b	0 c	0 d	0 c
	Regiment	80	WP	0.5	OZ/A	MPOST	C						
	Dyne-A-Pak		L	28.8	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	47 b	92 ab	97 a	0 c	0 d	41 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	98 a	95 a	98 a		94 a	94 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Agri-Dex		L	1	QT/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	0.6	QT/A	LPOST ASN	D						
10	Command	3	ME	1	PT/A	EPOST	B	25 bc	94 a	98 a		0 d	23 bc
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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	94 a	97 a	98 a		98 a	95 a
	SuperWham	4	SC	4	QT/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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						
12	SuperWham	4	SC	4	QT/A	EPOST	B	93 a	97 a	98 a		90 ab	84 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	SuperWham	4	SC	4	QT/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Pest Code								SEBEX	SEBEX	SEBEX	IPOLA	IPOLA	IPOLA
Rating Date								5-Jun-07	12-Jun-07	19-Jun-07	24-May-07	31-May-07	5-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								26 0	33 7	40 14	14 0	21 7	26 0
Trt-Eval Interval								12 DA-B	7 DA-C	14 DA-C	14 DA-A	7 DA-B	12 DA-B
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16	17	18
13	Duet	4.03	EC	4	QT/A	EPOST	B	97 a	96 a	98 a		97 a	95 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D						
	Induce		L	4.8	FL OZ/A	LPOST ASN	D						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
14	SuperWham	4	SC	4	QT/A	EPOST	B	95 a	96 a	98 a		96 a	92 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Facet	75	DF	0.5	LB/A	LPOST	D						
	Permit	75	WG	0.67	OZ/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						
Standard Deviation								19.1	4.6	2.4	3.7	19.3	17.6
CV								29.9	5.38	2.71	11.43	31.61	28.21

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Pest Code								IPOLA	IPOLA	IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								12-Jun-07	19-Jun-07	31-May-07	5-Jun-07	12-Jun-07	19-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								33 7	40 14	21 7	26 0	33 7	40 14
Trt-Eval Interval								7 DA-C	14 DA-C	7 DA-B	12 DA-B	7 DA-C	14 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	19	20	21	22	23	24
1	Nontreated							0 c	0 c	0 d	0 c	0 c	0 c
2	Command	3	ME	1.6	PT/A	DPRE	A	89 a	97 a	90 ab	88 a	90 a	97 a
	Facet	75	DF	0.67	LB/A	DPRE	A						
3	Command	3	ME	1.33	PT/A	DPRE	A	94 a	97 a	84 ab	89 a	95 a	97 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	97 a	98 a	46 c	0 c	97 a	98 a
	SuperWham	4	SC	4	QT/A	MPOST	C						
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C						
	Agri-Dex		L	1	QT/A	MPOST	C						
5	Command	3	ME	1.33	PT/A	DPRE	A	95 a	98 a	97 a	97 a	96 a	98 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	EPOST	B						
	Agri-Dex		L	1	QT/A	EPOST	B						
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	92 a	98 a	63 bc	81 a	92 a	98 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	61 b	85 b	0 d	0 c	63 b	88 b
	Regiment	80	WP	0.5	OZ/A	MPOST	C						
	Dyne-A-Pak		L	28.8	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	69 b	94 a	0 d	45 b	91 a	95 a
	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	93 a	96 a	97 a	96 a	95 a	96 a
	Facet	75	DF	0.5	LB/A	EPOST	B						
	Agri-Dex		L	1	QT/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	0.6	QT/A	LPOST ASN	D						
10	Command	3	ME	1	PT/A	EPOST	B	90 a	98 a	0 d	24 bc	95 a	98 a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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 a	98 a	98 a	97 a	97 a	98 a
	SuperWham	4	SC	4	QT/A	EPOST	B						
	Agri-Dex		L	0.6	QT/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						
12	SuperWham	4	SC	4	QT/A	EPOST	B	94 a	98 a	94 a	89 a	97 a	98 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	SuperWham	4	SC	4	QT/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Pest Code								IPOLA	IPOLA	IPOHE	IPOHE	IPOHE	IPOHE
Rating Date								12-Jun-07	19-Jun-07	31-May-07	5-Jun-07	12-Jun-07	19-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								33 7	40 14	21 7	26 0	33 7	40 14
Trt-Eval Interval								7 DA-C	14 DA-C	7 DA-B	12 DA-B	7 DA-C	14 DA-C
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	19	20	21	22	23	24
13	Duet	4.03	EC	4	QT/A	EPOST	B	91 a	98 a	96 a	96 a	95 a	98 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D						
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D						
	Induce		L	4.8	FL OZ/A	LPOST ASN	D						
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E						
	Agri-Dex		L	1	QT/A	PTFLD ASN	E						
14	SuperWham	4	SC	4	QT/A	EPOST	B	90 a	95 a	97 a	95 a	94 a	97 a
	Agri-Dex		L	1	QT/A	EPOST	B						
	Facet	75	DF	0.5	LB/A	LPOST	D						
	Permit	75	WG	0.67	OZ/A	LPOST	D						
	Agri-Dex		L	1	QT/A	LPOST	D						
Standard Deviation								11.9	2.9	19.1	18.8	4.3	1.9
CV								14.53	3.2	31.09	29.36	5.09	2.07

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Trt No.	31	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	31	
	Pest Code								
	Rating Date							19-Sep-07	
	Rating Data Type							Yield	
	Rating Unit							bu/A	
	Days After First/Last Applic.								
	Trt-Eval Interval								
1	Nontreated							118	b
2	Command	3	ME	1.6	PT/A	DPRE	A	158	a
	Facet	75	DF	0.67	LB/A	DPRE	A		
3	Command	3	ME	1.33	PT/A	DPRE	A	175	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	165	a
	SuperWham	4	SC	4	QT/A	MPOST	C		
	Grandstand R	3	SL	12	FL OZ/A	MPOST	C		
	Agri-Dex		L	1	QT/A	MPOST	C		
5	Command	3	ME	1.33	PT/A	DPRE	A	158	a
	Facet	75	DF	0.5	LB/A	EPOST	B		
	Aim	2	EC	1	FL OZ/A	EPOST	B		
	Agri-Dex		L	1	QT/A	EPOST	B		
6	Prowl H2O	3.8	CS	2.1	PT/A	DPRE	B	173	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	186	a
	Regiment	80	WP	0.5	OZ/A	MPOST	C		
	Dyne-A-Pak		L	28.8	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	166	a
	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	168	a
	Facet	75	DF	0.5	LB/A	EPOST	B		
	Agri-Dex		L	1	QT/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	0.6	QT/A	LPOST ASN	D		
10	Command	3	ME	1	PT/A	EPOST	B	178	a
	Ricestar HT	0.58	EC	17	FL OZ/A	EPOST	B		
	Agri-Dex		L	0.6	QT/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	157	a
	SuperWham	4	SC	4	QT/A	EPOST	B		
	Agri-Dex		L	0.6	QT/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		
12	SuperWham	4	SC	4	QT/A	EPOST	B	161	a
	Agri-Dex		L	1	QT/A	EPOST	B		
	SuperWham	4	SC	4	QT/A	LPOST	D		
	Agri-Dex		L	1	QT/A	LPOST	D		

Mississippi State University - DREC
Standard Herbicide Weed Control Programs

Trial ID: 07-WS-38
Location: DREC

Trt No.	31	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	31
	Pest Code							
	Rating Date							19-Sep-07
	Rating Data Type							Yield
	Rating Unit							bu/A
	Days After First/Last Applic.							
	Trt-Eval Interval							
13	Duet	4.03	EC	4	QT/A	EPOST	B	167 a
	Agri-Dex		L	1	QT/A	EPOST	B	
	Aim	2	EC	1	FL OZ/A	LPOST ASN	D	
	Permit	75	WG	0.67	OZ/A	LPOST ASN	D	
	Induce		L	4.8	FL OZ/A	LPOST ASN	D	
	Clincher SF	2.38	EC	15	FL OZ/A	PTFLD ASN	E	
	Agri-Dex		L	1	QT/A	PTFLD ASN	E	
14	SuperWham	4	SC	4	QT/A	EPOST	B	172 a
	Agri-Dex		L	1	QT/A	EPOST	B	
	Facet	75	DF	0.5	LB/A	LPOST	D	
	Permit	75	WG	0.67	OZ/A	LPOST	D	
	Agri-Dex		L	1	QT/A	LPOST	D	
	Standard Deviation							21.3
	CV							12.98

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

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

Trial ID: 07-WS-39
Location: MDOT

Objectives:
To evaluate rice herbicides targeting glyphosate-resistant horseweed.

Pest Description
Pest 1 Type: W **Code:** ERICA *Conyza canadensis*
Common Name: Horseweed

Site and Design
Plot Width, Unit: 10 FT **Site Type:** Field
Plot Length, Unit: 20 FT **Tillage Type:** No-Till
Replications: 4 **Study Design:** Randomized Complete Block
Soil Drainage: G Good

Soil Description
% OM: 1.2 **Texture:** Very fine sandy loam
pH: 6.1 **Soil Name:** Dundee
Fert. Level: Excellent

Application Description

	A
Application Date:	3-Apr-07
Time of Day:	10:00 am
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	Hunter Doty
Air Temperature, Unit:	78 F
% Relative Humidity:	76
Wind Velocity, Unit:	7 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	77 F
Soil Moisture:	Dry
% Cloud Cover:	10

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ERICA W
Height, Unit:	5 IN
Height Minimum, Maximum:	4 6
Density, Unit:	8 FT2

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

Trial ID: 07-WS-39
Location: MDOT

Application Equipment

	A
Appl. Equipment:	IH 885
Operating Pressure, Unit:	38 PSI
Nozzle Type:	DG
Nozzle Size:	11002VS
Nozzle Spacing, Unit:	20 IN
Boom Length, Unit:	10 FT
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.67 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
17-Apr-07	JAB	SuperWham plots showed some necrosis. Grasp was best treatment at 14 DAT.
1-May-07	JAB	Observed severe height reduction with all ALS herbicides. No dead plants in any plots, but all had height and biomass reduction except SuperWham.
23-May-07	JAB	Very few buds were regrowing in Facet and SuperWham plus Facet treatments. In Grasp plots, plants were either dead or beginning to regrow.

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

Trial ID: 07-WS-39
Location: MDOT

Pest Code								ERICA	ERICA	ERICA	ERICA	ERICA	ERICA	ERICA
Rating Date								17-Apr-07	24-Apr-07	1-May-07	7-May-07	23-May-07	7-May-07	15-May-07
Rating Data Type								Control	Control	Control	Control	Control	Fresh Wt	Dry Wt
Rating Unit								%	%	%	%	%	g/plant	g/plant
Days After First/Last Applic.								14 14	21 21	28 28	34 34	50 50	34 34	42 42
Trt-Eval Interval								14 DA-A	21 DA-A	28 DA-A	34 DA-A	50 DA-A	34 DA-A	42 DA-A
	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	App Cod	1	2	3	4	5	10	13
1	Nontreated							0 f	0 e	0 e	0 d	0 e	68 a	15 a
2	SuperWham	4	SC	4	QT/A	4-6” weeds	A	20 e	9 d	3 e	0 d	5 e	35 bc	7 bc
	Agri-Dex		L	1	QT/A	4-6” weeds	A							
3	Facet	75	DF	0.5	LB/A	4-6” weeds	A	30 d	54 c	65 c	56 b	59 bc	21 bcd	6 bcd
	Agri-Dex		L	1	QT/A	4-6” weeds	A							
4	SuperWham	4	SC	4	QT/A	4-6” weeds	A	43 c	55 c	74 b	70 a	66 a	12 cd	3 cd
	Facet	75	DF	0.5	LB/A	4-6” weeds	A							
	Agri-Dex		L	1	QT/A	4-6” weeds	A							
5	Grandstand R	3	SL	12	FL OZ/A	4-6” weeds	A	54 b	58 bc	74 b	70 a	56 c	12 cd	3 cd
	Agri-Dex		L	19.2	FL OZ/A	4-6” weeds	A							
6	Regiment	80	WP	0.6	OZ/A	4-6” weeds	A	55 b	53 c	55 d	35 c	28 d	45 b	9 b
	Dyne-A-Pak		L	28.8	FL OZ/A	4-6” weeds	A							
7	Grasp	2	SC	2.5	FL OZ/A	4-6” weeds	A	66 a	80 a	88 a	78 a	64 ab	6 d	2 d
	Agri-Dex		L	1	QT/A	4-6” weeds	A							
8	Permit	75	WG	1	OZ/A	4-6” weeds	A	64 a	64 b	69 bc	35 c	29 d	26 bcd	5 bcd
	Induce		L	4.8	FL OZ/A	4-6” weeds	A							
9	Strada	50	WG	2.1	OZ/A	4-6” weeds	A	53 b	54 c	58 d	31 c	25 d	31 bcd	6 bcd
	Induce		L	4.8	FL OZ/A	4-6” weeds	A							
Standard Deviation								5.8	4.3	4.5	5.3	4.6	15.4	3.1
CV								13.66	9.04	8.32	12.78	12.61	53.98	49.22

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Herbicide Performance on Levees

Trial ID: 07-WS-40
Location: DREC

Objectives:
To determine the effectiveness of broadleaf herbicides when applied to levees.

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

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

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	13-Jun-07	Flood

Mississippi State University - DREC
Rice Herbicide Performance on Levees

Trial ID: 07-WS-40
Location: DREC

Application Description

	A
Application Date:	11-Jun-07
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	4-6" weed
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	79 F
% Relative Humidity:	77
Wind Velocity, Unit:	3 MPH
Wind Direction:	NE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	75 F
Soil Moisture:	Adequate
% Cloud Cover:	10

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	5 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	6 leaf
Height, Unit:	7 IN
Height Minimum, Maximum:	3 8
Density, Unit:	3 FT2
Pest 2 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	6 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	10 lf
Height, Unit:	7 IN
Height Minimum, Maximum:	2 12
Density, Unit:	2 FT2
Pest 3 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	4 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	5 leaf
Height, Unit:	4 IN
Height Minimum, Maximum:	2 6
Density, Unit:	1 FT2

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 Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Mississippi State University - DREC
Rice Herbicide Performance on Levees

Trial ID: 07-WS-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 Code								SEBEX	SEBEX	SEBEX	IPOLA	IPOLA	IPOLA	IPOHE
Rating Date								18-Jun-07	26-Jun-07	9-Jul-07	18-Jun-07	26-Jun-07	9-Jul-07	18-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								7 7	15 15	28 28	7 7	15 15	28 28	7 7
Trt-Eval Interval								7 DA-A	15 DA-A	28 DA-A	7 DA-A	15 DA-A	28 DA-A	7 DA-A
1	Nontreated							0 e	0 c	0 e	0 e	0 b	0 d	0 d
2	SuperWham	4	SC	4	QT/A	4-6" weeds	A	86 a	74 a	43 d	85 ab	66 a	28 c	86 a
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
3	Facet	75	DF	0.5	LB/A	4-6" weeds	A	49 d	56 b	44 d	59 d	78 a	86 a	63 c
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
4	Aim	2	EC	1	FL OZ/A	4-6" weeds	A	85 a	73 a	45 cd	88 ab	67 a	35 c	88 a
	Induce		L	4.8	FL OZ/A	4-6" weeds	A							
5	SuperWham	4	SC	4	QT/A	4-6" weeds	A	89 a	74 a	50 cd	88 ab	71 a	39 c	90 a
	Grandstand R	3	SL	12	FL OZ/A	4-6" weeds	A							
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
6	SuperWham	4	SC	4	QT/A	4-6" weeds	A	86 a	75 a	71 a	85 ab	74 a	71 ab	86 a
	Facet	75	DF	0.5	LB/A	4-6" weeds	A							
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
7	Facet	75	DF	0.5	LB/A	4-6" weeds	A	70 b	68 a	56 bc	79 bc	79 a	68 ab	81 a
	Aim	2	EC	1	FL OZ/A	4-6" weeds	A							
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
8	Facet	75	DF	0.5	LB/A	4-6" weeds	A	59 c	71 a	63 ab	63 d	74 a	79 ab	66 bc
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A							
	Agri-Dex		L	1	QT/A	4-6" weeds	A							
9	Aim	2	EC	1	FL OZ/A	4-6" weeds	A	84 a	71 a	45 cd	89 a	73 a	54 bc	90 a
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A							
	Induce		L	4.8	FL OZ/A	4-6" weeds	A							
10	Grandstand R	3	SL	12	FL OZ/A	4-6" weeds	A	63 c	55 b	40 d	71 c	73 a	53 bc	73 b
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A							
	Agri-Dex		L	0.6	QT/A	4-6" weeds	A							
Standard Deviation								4.7	6.6	7.5	5.6	8.9	17.9	5.5
CV								6.99	10.74	16.39	7.98	13.61	35.05	7.62

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Herbicide Performance on Levees

Trial ID: 07-WS-40
Location: DREC

Pest Code								IPOHE	IPOHE
Rating Date								26-Jun-07	9-Jul-07
Rating Data Type								Control	Control
Rating Unit								%	%
Days After First/Last Applic.								15 15	28 28
Trt-Eval Interval								15 DA-A	28 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8	9
1	Nontreated							0 b	0 d
2	SuperWham	4	SC	4	QT/A	4-6" weeds	A	71 a	28 c
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
3	Facet	75	DF	0.5	LB/A	4-6" weeds	A	80 a	90 a
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
4	Aim	2	EC	1	FL OZ/A	4-6" weeds	A	66 a	35 c
	Induce		L	4.8	FL OZ/A	4-6" weeds	A		
5	SuperWham	4	SC	4	QT/A	4-6" weeds	A	73 a	41 c
	Grandstand R	3	SL	12	FL OZ/A	4-6" weeds	A		
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
6	SuperWham	4	SC	4	QT/A	4-6" weeds	A	76 a	73 ab
	Facet	75	DF	0.5	LB/A	4-6" weeds	A		
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
7	Facet	75	DF	0.5	LB/A	4-6" weeds	A	80 a	73 ab
	Aim	2	EC	1	FL OZ/A	4-6" weeds	A		
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
8	Facet	75	DF	0.5	LB/A	4-6" weeds	A	76 a	81 ab
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A		
	Agri-Dex		L	1	QT/A	4-6" weeds	A		
9	Aim	2	EC	1	FL OZ/A	4-6" weeds	A	73 a	54 bc
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A		
	Induce		L	4.8	FL OZ/A	4-6" weeds	A		
10	Grandstand R	3	SL	12	FL OZ/A	4-6" weeds	A	73 a	54 bc
	Permit	75	WG	0.67	OZ/A	4-6" weeds	A		
	Agri-Dex		L	0.6	QT/A	4-6" weeds	A		
Standard Deviation								10.4	18.8
CV								15.6	35.73

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Salvage Herbicide Applications for Levees

Trial ID: 07-WS-41
Location: DREC

Objectives:
To determine the efficacy of salvage herbicide applications on levees.

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

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

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	13-Jun-07	Flood

Mississippi State University - DREC
Salvage Herbicide Applications for Levees

Trial ID: 07-WS-41
Location: DREC

Application Description

	A
Application Date:	2-Jul-07
Time of Day:	8:30 am
Application Method:	Broadcast
Application Timing:	PTFLD
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	83 F
% Relative Humidity:	78
Wind Velocity, Unit:	2 MPH
Wind Direction:	NE
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	40

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	SEBEX W
Stage Majority, Percent:	11 lf
Stage Minimum, Percent:	6 leaf
Stage Maximum, Percent:	15 lf
Height, Unit:	21 IN
Height Minimum, Maximum:	6 36
Density, Unit:	4 FT2
Pest 2 Code, Disc., Scale:	IPOLA W
Stage Majority, Percent:	9 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	15 lf
Height, Unit:	13.5 IN
Height Minimum, Maximum:	3 24
Density, Unit:	3 FT2
Pest 3 Code, Disc., Scale:	IPOHE W
Stage Majority, Percent:	9 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	15 lf
Height, Unit:	13.5 IN
Height Minimum, Maximum:	3 24
Density, Unit:	3 FT2

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	24 PSI
Nozzle Size:	11001VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Mississippi State University - DREC
Salvage Herbicide Applications for Levees

Trial ID: 07-WS-41
Location: DREC

Pest Code								SEBEX	SEBEX	SEBEX	IPOLA	IPOLA	IPOLA	IPOHE
Rating Date								9-Jul-07	16-Jul-07	30-Jul-07	9-Jul-07	16-Jul-07	30-Jul-07	9-Jul-07
Rating Data Type								Control	Control	Control	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
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6	7
1	Nontreated							0 f	0 d	0 d	0 e	0 g	0 f	0 e
2	SuperWham	4	SC	3	QT/A	PTFLD	A	81 d	89 b	86 c	74 c	69 e	64 d	74 c
	Urea-ammonium nitrate		L	14.25	GAL/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
3	SuperWham	4	SC	5	QT/A	PTFLD	A	91 abc	99 a	94 abc	88 ab	84 bc	76 bc	88 ab
	Urea-ammonium nitrate		L	14.25	GAL/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
4	Aim	2	EC	2	FL OZ/A	PTFLD	A	94 abc	97 a	92 abc	94 a	89 abc	86 ab	94 ab
	Induce		L	4.8	FL OZ/A	PTFLD	A							
5	Aim	2	EC	3	FL OZ/A	PTFLD	A	96 a	99 a	99 a	96 a	93 ab	91 a	96 a
	Induce		L	4.8	FL OZ/A	PTFLD	A							
6	SuperWham	4	SC	4	QT/A	PTFLD	A	94 abc	98 a	98 a	90 ab	89 abc	86 ab	90 ab
	Aim	2	EC	1	FL OZ/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
7	SuperWham	4	SC	4	QT/A	PTFLD	A	86 cd	93 ab	96 ab	81 bc	74 de	68 cd	83 bc
	Bolero	8	EC	3	PT/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
8	SuperWham	4	SC	4	QT/A	PTFLD	A	88 bcd	99 a	99 a	89 ab	96 a	97 a	91 ab
	Grandstand R	3	SL	12	FL OZ/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
9	SuperWham	4	SC	4	QT/A	PTFLD	A	95 ab	99 a	96 ab	85 ab	82 cd	73 cd	85 ab
	Ultra Blazer	2	L	16	FL OZ/A	PTFLD	A							
	Agri-Dex		L	1	QT/A	PTFLD	A							
10	Regiment	80	WP	0.6	OZ/A	PTFLD	A	64 e	79 c	88 bc	40 d	43 f	43 e	40 d
	Dyne-A-Pak		L	28.8	FL OZ/A	PTFLD	A							
Standard Deviation								4.8	5.0	5.3	6.7	6.5	7.6	7.1
CV								6.12	5.85	6.28	9.12	9.05	11.14	9.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Mississippi State University - DREC
Salvage Herbicide Applications for Levees

Trial ID: 07-WS-41
Location: DREC

Pest Code								IPOHE		IPOHE	
Rating Date								16-Jul-07		30-Jul-07	
Rating Data Type								Control		Control	
Rating Unit								%		%	
Days After First/Last Applic.								14	14	28	28
Trt-Eval Interval								14 DA-A		28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	8		9	
1	Nontreated							0	d	0	e
2	SuperWham	4	SC	3	QT/A	PTFLD	A	73	b	74	c
	Urea-ammonium nitrate		L	14.25	GAL/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
3	SuperWham	4	SC	5	QT/A	PTFLD	A	86	a	83	bc
	Urea-ammonium nitrate		L	14.25	GAL/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
4	Aim	2	EC	2	FL OZ/A	PTFLD	A	89	a	86	abc
	Induce		L	4.8	FL OZ/A	PTFLD	A				
5	Aim	2	EC	3	FL OZ/A	PTFLD	A	96	a	95	ab
	Induce		L	4.8	FL OZ/A	PTFLD	A				
6	SuperWham	4	SC	4	QT/A	PTFLD	A	89	a	92	ab
	Aim	2	EC	1	FL OZ/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
7	SuperWham	4	SC	4	QT/A	PTFLD	A	75	b	74	c
	Bolero	8	EC	3	PT/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
8	SuperWham	4	SC	4	QT/A	PTFLD	A	97	a	97	a
	Grandstand R	3	SL	12	FL OZ/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
9	SuperWham	4	SC	4	QT/A	PTFLD	A	86	a	75	c
	Ultra Blazer	2	L	16	FL OZ/A	PTFLD	A				
	Agri-Dex		L	1	QT/A	PTFLD	A				
10	Regiment	80	WP	0.6	OZ/A	PTFLD	A	43	c	46	d
	Dyne-A-Pak		L	28.8	FL OZ/A	PTFLD	A				
Standard Deviation								7.3		9.1	
CV								9.89		12.64	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Harbinger Performance in Mississippi 1

Trial ID: 07-WS-42
Location: DREC

Objectives:
To determine the weed control efficacy and rice tolerance to preemergence applications of Harbinger.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 20-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

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.	29-May-07	Aim	2	EC	1.67	FL OZ/A	Y
2.	29-May-07	Induce		L	0.25	% v/v	Y
3.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
4.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Harbinger Performance in Mississippi 1

Trial ID: 07-WS-42
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B
Application Date:	10-May-07	6-Jun-07
Time of Day:	10:00 am	7:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	DPRE	LPOST
Application Placement:	Soil	Foliar
Applied By:	JAB	JAB
Air Temperature, Unit:	83 F	76 F
% Relative Humidity:	74	64
Wind Velocity, Unit:	0 MPH	0 MPH
Dew Presence (Y/N):	N	Y
Soil Temperature, Unit:	72 F	74 F
Soil Moisture:	Adequate	Adequate
% Cloud Cover:	100	0

Crop Stage At Each Application

	A	B
Crop 1 Code:	ORYSA	ORYSA
Stage Majority, Percent:		1 tiller
Stage Minimum, Percent:		1 tiller
Stage Maximum, Percent:		1 tiller
Height, Unit:		9 IN
Height Minimum, Maximum:		8 9

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W
Stage Majority, Percent:		4 leaf
Stage Minimum, Percent:		3 leaf
Stage Maximum, Percent:		4 leaf
Height, Unit:		4 IN
Height Minimum, Maximum:		3 4

Mississippi State University - DREC
Harbinger Performance in Mississippi 1

Trial ID: 07-WS-42
Location: DREC

Application Equipment

	A	B
Appl. Equipment:	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	26 PSI	28 PSI
Nozzle Type:	DG	AI
Nozzle Size:	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN
Nozzles/Row:	4	4
Boom Length, Unit:	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA

Date	By	Notes
24-May-07	JAB	Harbinger injury was stunted plants, some gaps in stand, and some plants failed to emerge. Plants were wind-blown. Injury was erratic. Some plots injured worse than others.
29-Jun-07	JAB	Light grass pressure. Possible slight height reduction with highest Harbinger rate.

Date	By	Deviations
10-May-07	JAB	PRE applications were applied as delayed-PRE.

Reasons: Rainfall was received day after planting and treatments could not be applied until 10-May-07. At application, rice had already imbibed water and some seed had sprouted. Agri-Dex at 1 QT/A was added to all applications to control emerged ECHCG.

Date	By	Deviations
17-May-07	JAB	DPRE applications were not applied as EPOST.

Reasons: ECHCG already emerged. These treatments were deleted from subsequent analyses.

Date	By	Deviations
29-May-07	JAB	Trial was oversprayed with Aim at 1.67 FL OZ/A.

Reasons: No broadleaf weed control detected for Harbinger treatments.

Mississippi State University - DREC
Harbinger Performance in Mississippi 1

Trial ID: 07-WS-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
	Pest Code												
	Rating Date							24-May-07	24-May-07	24-May-07	31-May-07	6-Jun-07	29-Jun-07
	Rating Data Type							Density	Height	Rice Injury	Rice Injury	Rice Injury	Rice Injury
	Rating Unit							P./sq. ft	cm	%	%	%	%
	Days After First/Last Applic.							14	14	14	21	0	23
	Trt-Eval Interval							14 DA-A	14 DA-A	14 DA-A	21 DA-A	27 DA-A	50 DA-A
1	Nontreated							27 ab	14 a	0 d	0 b	0 a	0 a
2	Prowl EC	3.3	EC	2.42	PT/A	PRE	A	29 a	14 a	3 cd	0 b	0 a	0 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C						
	Induce		L	4.8	FL OZ/A	LPOST ASN	C						
4	Prowl H2O	3.8	CS	2.1	PT/A	PRE	A	29 a	14 a	4 bc	1 b	0 a	0 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C						
	Induce		L	4.8	FL OZ/A	LPOST ASN	C						
6	Command	3	ME	1.33	PT/A	PRE	A	29 a	14 a	3 cd	0 b	0 a	0 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C						
	Induce		L	4.8	FL OZ/A	LPOST ASN	C						
7	Harbinger	1.6	L	2	QT/A	PRE	A	30 a	14 a	1 cd	0 b	0 a	0 a
8	Harbinger	1.6	L	4	QT/A	PRE	A	23 b	13 a	9 a	9 a	3 a	0 a
9	Harbinger	1.6	L	2	QT/A	PRE	A	30 a	14 a	6 ab	3 b	2 a	0 a
	Harbinger	1.6	L	2	QT/A	LPOST	C						
	Stam M4	4	SL	4	QT/A	LPOST	C						
	SafeGuard		L	1	QT/A	LPOST	C						
10	Harbinger	1.6	L	2	QT/A	PRE	A	28 a	14 a	0 d	0 b	0 a	0 a
	Harbinger	1.6	L	2	QT/A	LPOST	C						
	Stam M4	4	SL	4	QT/A	LPOST	C						
	SafeGuard		L	1	QT/A	LPOST	C						
11	Harbinger	1.6	L	2	QT/A	PRE	A	27 ab	13 a	3 cd	1 b	0 a	0 a
	Regiment	80	WP	0.6	OZ/A	LPOST	C						
	Permit	75	WG	1	OZ/A	LPOST	C						
	Dyne-A-Pak		L	28.8	FL OZ/A	LPOST	C						
12	Harbinger	1.6	L	2	QT/A	PRE	A	29 a	14 a	8 a	7 a	1 a	0 a
	Command	3	ME	1.33	PT/A	PRE	A						
	Stam M4	4	SL	4	QT/A	LPOST	C						
	SafeGuard		L	1	QT/A	LPOST	C						
	Standard Deviation							2.6	1.1	2.1	2.2	1.7	0.0
	CV							9.4	7.93	60.35	102.58	271.89	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Harbinger Performance in Mississippi 1

Trial ID: 07-WS-42
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	ECHCG 24-May-07 Control % 14 14 DA-A 7	ECHCG 31-May-07 Control % 21 21 DA-A 8	ECHCG 6-Jun-07 Control % 0 27 DA-A 9	ECHCG 29-Jun-07 Control % 23 50 DA-A 10	20-Sep-07 Yield bu/A 18
1	Nontreated							0 b	0 b	0 b	0 b	120 b
2	Prowl EC	3.3	EC	2.42	PT/A	PRE	A	93 a	94 a	94 a	93 a	184 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C					
	Induce		L	4.8	FL OZ/A	LPOST ASN	C					
4	Prowl H2O	3.8	CS	2.1	PT/A	PRE	A	94 a	94 a	94 a	95 a	188 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C					
	Induce		L	4.8	FL OZ/A	LPOST ASN	C					
6	Command	3	ME	1.33	PT/A	PRE	A	95 a	95 a	94 a	95 a	184 a
	Permit	75	WG	0.75	OZ/A	LPOST ASN	C					
	Induce		L	4.8	FL OZ/A	LPOST ASN	C					
7	Harbinger	1.6	L	2	QT/A	PRE	A	93 a	94 a	94 a	95 a	172 a
8	Harbinger	1.6	L	4	QT/A	PRE	A	94 a	94 a	94 a	95 a	171 a
9	Harbinger	1.6	L	2	QT/A	PRE	A	95 a	95 a	94 a	95 a	176 a
	Harbinger	1.6	L	2	QT/A	LPOST	C					
	Stam M4	4	SL	4	QT/A	LPOST	C					
	SafeGuard		L	1	QT/A	LPOST	C					
10	Harbinger	1.6	L	2	QT/A	PRE	A	94 a	94 a	93 a	93 a	172 a
	Harbinger	1.6	L	2	QT/A	LPOST	C					
	Stam M4	4	SL	4	QT/A	LPOST	C					
	SafeGuard		L	1	QT/A	LPOST	C					
11	Harbinger	1.6	L	2	QT/A	PRE	A	94 a	95 a	94 a	94 a	183 a
	Regiment	80	WP	0.6	OZ/A	LPOST	C					
	Permit	75	WG	1	OZ/A	LPOST	C					
	Dyne-A-Pak		L	28.8	FL OZ/A	LPOST	C					
12	Harbinger	1.6	L	2	QT/A	PRE	A	94 a	94 a	95 a	95 a	172 a
	Command	3	ME	1.33	PT/A	PRE	A					
	Stam M4	4	SL	4	QT/A	LPOST	C					
	SafeGuard		L	1	QT/A	LPOST	C					
Standard Deviation								2.3	2.0	1.7	2.0	16.1
CV								2.77	2.31	1.97	2.32	9.35

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Objectives:
To determine weed control efficacy and rice tolerance to postemergence applications of Yukon (Permit plus dicamba).

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-May-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

Pest 2 Type: W **Code:** IPOLA *Ipomoea lacunosa*
Common Name: Pitted morningglory

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

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.	9-May-07	Command	3	ME	1.33	PT/A	N
2.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
3.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
4.	14-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
5.	14-Jun-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A	B	C
Application Date:	30-May-07	6-Jun-07	26-Jun-07
Time of Day:	7:15 am	6:45 am	8:00 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	EPOST	LPOST	PI
Application Placement:	Foliar	Foliar	Foliar
Applied By:	LCV, JAB	JAB	JAB
Air Temperature, Unit:	73 F	76 F	83 F
% Relative Humidity:	77	64	78
Wind Velocity, Unit:	5 MPH	0 MPH	0 MPH
Wind Direction:	E		
Dew Presence (Y/N):	N	Y	Y
Soil Temperature, Unit:	74 F	74 F	
Soil Moisture:	Adequate	Adequate	Flood
% Cloud Cover:	100	0	10

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:	3 leaf	1 tiller	1/2" IE
Stage Minimum, Percent:	3 leaf	1 tiller	1/2" IE
Stage Maximum, Percent:	3 leaf	1 tiller	1/2" IE
Height, Unit:	6 IN	9 IN	22 IN
Height Minimum, Maximum:	6 6	8 9	20 23

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:	3 leaf	7 leaf	13 lf
Stage Minimum, Percent:	3 leaf	6 leaf	12 lf
Stage Maximum, Percent:	3 leaf	8 leaf	14 lf
Height, Unit:	3 IN	7 IN	34 IN
Height Minimum, Maximum:	3 3	5 8	32 36
Density, Unit:	14 FT2	14 FT2	12 FT2
Pest 2 Code, Disc., Scale:	IPOLA W	IPOLA W	IPOLA W
Stage Majority, Percent:	3 leaf	5 leaf	dead
Stage Minimum, Percent:	3 leaf	4 leaf	
Stage Maximum, Percent:	3 leaf	6 leaf	
Height, Unit:	2 IN	5 IN	
Height Minimum, Maximum:	2 2	3 6	
Density, Unit:	1 FT2	1 FT2	
Pest 3 Code, Disc., Scale:	IPOHE W	IPOHE W	IPOHE W
Stage Majority, Percent:		5 leaf	dead
Stage Minimum, Percent:		4 leaf	
Stage Maximum, Percent:		6 leaf	
Height, Unit:		5 IN	
Height Minimum, Maximum:		3 6	
Density, Unit:		1 FT2	

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	28 PSI	28 PSI	25 PSI
Nozzle Type:	AI	AI	TT
Nozzle Size:	110015VS	110015VS	11001
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	2 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
3-Jul-07	JAB	Lower control from LPOST applications was possibly related to coverage.
22-Jul-07	JAB	Some new emergence and/or regrowth from lowest rate applied LPOST. PI applications looked good, but some SEBEX stems were still green.

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5-Jun-07 Rice Injury % 6 6 6 DA-A 1	13-Jun-07 Rice Injury % 14 7 7 DA-B 2	20-Jun-07 Rice Injury % 21 14 14 DA-B 3	3-Jul-07 Rice Injury % 34 7 7 DA-C 4	10-Jul-07 Rice Injury % 41 14 14 DA-C 5	22-Jul-07 Rice Injury % 53 26 26 DA-C 6
1	Nontreated							0 a	0 a	0 a	0 a	0 a	0 a
2	Yukon	67.5	DF	4	OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
3	Yukon	67.5	DF	4	OZ/A	LPOST	B		0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
4	Yukon	67.5	DF	4	OZ/A	PI	C				0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
5	Yukon	67.5	DF	6	OZ/A	EPOST	A	0 a	0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
6	Yukon	67.5	DF	6	OZ/A	LPOST	B		0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
7	Yukon	67.5	DF	6	OZ/A	PI	C				0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
8	Yukon	67.5	DF	8	OZ/A	EPOST	A	1 a	0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
9	Yukon	67.5	DF	8	OZ/A	LPOST	B		0 a	0 a	0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
10	Yukon	67.5	DF	8	OZ/A	PI	C				0 a	0 a	0 a
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
Standard Deviation								0.8	0.0	0.0	0.0	0.0	0.0
CV								424.26	0.0	0.0	0.0	0.0	0.0

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Pest Code								SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	IPOLA
Rating Date								5-Jun-07	13-Jun-07	20-Jun-07	3-Jul-07	10-Jul-07	22-Jul-07	5-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%	%
Days After First/Last Applic.								6 6	14 7	21 14	34 7	41 14	53 26	6 6
Trt-Eval Interval								6 DA-A	7 DA-B	14 DA-B	7 DA-C	14 DA-C	26 DA-C	6 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9	10	11	12	13
1	Nontreated							0 c	0 e	0 d	0 c	0 e	0 e	0 c
2	Yukon	67.5	DF	4	OZ/A	EPOST	A	59 b	77 b	99 a	99 a	99 a	99 a	78 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Two- to three-leaf rice													
3	Yukon	67.5	DF	4	OZ/A	LPOST	B		45 d	78 c	86 a	92 b	87 b	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
	One-tiller rice													
4	Yukon	67.5	DF	4	OZ/A	PI	C				54 b	58 d	60 d	
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
	Panicle initiation													
5	Yukon	67.5	DF	6	OZ/A	EPOST	A	71 a	94 a	98 a	99 a	99 a	99 a	80 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Two- to three-leaf rice													
6	Yukon	67.5	DF	6	OZ/A	LPOST	B		60 c	84 b	92 a	97 ab	97 a	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
	One-tiller rice													
7	Yukon	67.5	DF	6	OZ/A	PI	C				49 b	69 c	78 c	
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
	Panicle initiation													
8	Yukon	67.5	DF	8	OZ/A	EPOST	A	71 a	93 a	99 a	99 a	99 a	99 a	85 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A							
	Two- to three-leaf rice													
9	Yukon	67.5	DF	8	OZ/A	LPOST	B		59 c	88 b	98 a	99 a	99 a	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B							
	One-tiller rice													
10	Yukon	67.5	DF	8	OZ/A	PI	C				53 b	73 c	84 bc	
	Agri-Dex		L	19.2	FL OZ/A	PI	C							
	Panicle initiation													
Standard Deviation								2.5	5.8	2.9	8.1	3.8	5.6	2.8
CV								4.96	9.46	3.75	11.07	4.85	6.93	4.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Pest Code								IPOLA	IPOLA	IPOLA	IPOLA	IPOLA	IPOHE
Rating Date								13-Jun-07	20-Jun-07	3-Jul-07	10-Jul-07	22-Jul-07	5-Jun-07
Rating Data Type								Control	Control	Control	Control	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								14 7	21 14	34 7	41 14	53 26	6 6
Trt-Eval Interval								7 DA-B	14 DA-B	7 DA-C	14 DA-C	26 DA-C	6 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	14	15	16	17	18	19
1	Nontreated							0 d	0 d	0 d	0 e	0 d	0 c
2	Yukon	67.5	DF	4	OZ/A	EPOST	A	88 a	98 a	99 a	99 a	99 a	78 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
3	Yukon	67.5	DF	4	OZ/A	LPOST	B	56 c	90 c	99 a	99 a	99 a	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
4	Yukon	67.5	DF	4	OZ/A	PI	C			96 b	90 d	90 c	
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
5	Yukon	67.5	DF	6	OZ/A	EPOST	A	94 a	99 a	99 a	99 a	99 a	80 b
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
6	Yukon	67.5	DF	6	OZ/A	LPOST	B	75 b	94 b	99 a	99 a	98 a	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
7	Yukon	67.5	DF	6	OZ/A	PI	C			93 c	94 c	91 c	
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
8	Yukon	67.5	DF	8	OZ/A	EPOST	A	95 a	99 a	99 a	99 a	99 a	85 a
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
9	Yukon	67.5	DF	8	OZ/A	LPOST	B	71 b	96 ab	99 a	99 a	99 a	
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
10	Yukon	67.5	DF	8	OZ/A	PI	C			95 b	95 b	94 b	
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
Standard Deviation								6.9	2.2	1.1	0.8	1.3	2.8
CV								10.02	2.72	1.23	0.91	1.52	4.59

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Pest Code								IPOHE	IPOHE	IPOHE	IPOHE	IPOHE	
Rating Date								13-Jun-07	20-Jun-07	3-Jul-07	10-Jul-07	22-Jul-07	
Rating Data Type								Control	Control	Control	Control	Control	50% Head
Rating Unit								%	%	%	%	%	DAE
Days After First/Last Applic.								14 7	21 14	34 7	41 14	53 26	
Trt-Eval Interval								7 DA-B	14 DA-B	7 DA-C	14 DA-C	26 DA-C	
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	20	21	22	23	24	26
1	Nontreated							0 d	0 d	0 d	0 e	0 d	85 a
2	Yukon	67.5	DF	4	OZ/A	EPOST	A	88 a	99 a	99 a	99 a	99 a	80 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
3	Yukon	67.5	DF	4	OZ/A	LPOST	B	60 c	91 c	99 a	99 a	99 a	81 bc
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
4	Yukon	67.5	DF	4	OZ/A	PI	C			96 b	90 d	90 c	81 bc
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
5	Yukon	67.5	DF	6	OZ/A	EPOST	A	94 a	99 a	99 a	99 a	99 a	80 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
6	Yukon	67.5	DF	6	OZ/A	LPOST	B	76 b	94 b	99 a	99 a	98 a	81 bc
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
7	Yukon	67.5	DF	6	OZ/A	PI	C			95 c	94 c	91 c	81 bc
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
8	Yukon	67.5	DF	8	OZ/A	EPOST	A	95 a	99 a	99 a	99 a	99 a	81 c
	Agri-Dex		L	19.2	FL OZ/A	EPOST	A						
	Two- to three-leaf rice												
9	Yukon	67.5	DF	8	OZ/A	LPOST	B	74 b	96 b	99 a	99 a	99 a	80 c
	Agri-Dex		L	19.2	FL OZ/A	LPOST	B						
	One-tiller rice												
10	Yukon	67.5	DF	8	OZ/A	PI	C			95 c	95 b	94 b	82 b
	Agri-Dex		L	19.2	FL OZ/A	PI	C						
	Panicle initiation												
Standard Deviation								5.5	1.7	0.6	0.8	1.3	0.6
CV								7.89	2.0	0.72	0.91	1.52	0.72

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Yukon Rate and Timing

Trial ID: 07-WS-47
Location: DREC

Pest Code Rating Date Rating Data Type Rating Unit Days After First/Last Applic. Trt-Eval Interval								17-Sep-07 Height cm	18-Sep-07 Yield bu/A
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	27	30
1	Nontreated							82 b	109 d
2	Yukon Agri-Dex Two- to three-leaf rice	67.5	DF L	4 19.2	OZ/A FL OZ/A	EPOST EPOST	A A	95 a	157 c
3	Yukon Agri-Dex One-tiller rice	67.5	DF L	4 19.2	OZ/A FL OZ/A	LPOST LPOST	B B	97 a	160 bc
4	Yukon Agri-Dex Panicle initiation	67.5	DF L	4 19.2	OZ/A FL OZ/A	PI PI	C C	95 a	167 abc
5	Yukon Agri-Dex Two- to three-leaf rice	67.5	DF L	6 19.2	OZ/A FL OZ/A	EPOST EPOST	A A	96 a	160 bc
6	Yukon Agri-Dex One-tiller rice	67.5	DF L	6 19.2	OZ/A FL OZ/A	LPOST LPOST	B B	96 a	179 a
7	Yukon Agri-Dex Panicle initiation	67.5	DF L	6 19.2	OZ/A FL OZ/A	PI PI	C C	97 a	156 c
8	Yukon Agri-Dex Two- to three-leaf rice	67.5	DF L	8 19.2	OZ/A FL OZ/A	EPOST EPOST	A A	94 a	164 bc
9	Yukon Agri-Dex One-tiller rice	67.5	DF L	8 19.2	OZ/A FL OZ/A	LPOST LPOST	B B	94 a	173 ab
10	Yukon Agri-Dex Panicle initiation	67.5	DF L	8 19.2	OZ/A FL OZ/A	PI PI	C C	96 a	160 bc
Standard Deviation								2.7	9.3
CV								2.83	5.89

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 1

Trial ID: 07-WS-48
Location: DREC

Objectives:
To 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:** 8-May-07
Planting Method: Drill **Rate, Unit:** 30 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 18-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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:** 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.	10-May-07	Command	3	ME	1.33	PT/A	N
2.	10-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
3.	29-May-07	Ricestar HT	0.58	EC	17	FL OZ/A	N
4.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
5.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
6.	22-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
7.	22-Jun-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 1-Apr-2007
Triple-K, 24-Apr-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

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 1

Trial ID: 07-WS-48
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	30-May-07
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	MPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	72 F
% Relative Humidity:	79
Wind Velocity, Unit:	5 MPH
Wind Direction:	3
Dew Presence (Y/N):	N
Soil Temperature, Unit:	74 F
Soil Moisture:	Adequate
% Cloud Cover:	100

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	3 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	6 IN
Height Minimum, Maximum:	6 6

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	GLYMA W
Stage Majority, Percent:	V4
Stage Minimum, Percent:	V4
Stage Maximum, Percent:	V4
Height, Unit:	8 IN
Height Minimum, Maximum:	7 8
Density, Unit:	2 FT2

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 1

Trial ID: 07-WS-48
Location: DREC

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 Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
24-Apr-07	JAB	Spread Roundup Ready soybean seed (Pioneer 94B73).
9-May-07	JAB	First drill pass in the trial received a double rate of Command.
30-May-07	JAB	Treatments applied at MPOST timing.
7-Jun-07	JAB	SuperWham did not work as well as in 07-WS-49. Saw some regrowth at this evaluation.
13-Jun-07	JAB	ALS treatments and Grandstand appeared more effective at 14 DAT than in 07-WS-49. Observed regrowth in SuperWham plots.

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 1

Trial ID: 07-WS-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
Pest Code												GLYMA	GLYMA
Rating Date								7-Jun-07	13-Jun-07	27-Jun-07	28-Jul-07	7-Jun-07	13-Jun-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								8 8	14 14	28 28	59 59	8 8	14 14
Trt-Eval Interval								8 DA-A	14 DA-A	28 DA-A	59 DA-A	8 DA-A	14 DA-A
1	Nontreated							0 b	0 b	0 a	0 a	0 g	0 f
2	Strada	50	WG	2.1	OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	50 f	67 de
	Induce		L	4.8	FL OZ/A	E or MPOST	B						
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	3 a	3 ab	0 a	0 a	84 a	88 a
	Agri-Dex		L	1	QT/A	E or MPOST	B						
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	0 b	0 b	0 a	0 a	74 b	75 bc
	Agri-Dex		L	1	QT/A	E or MPOST	B						
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	71 b	81 ab
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B						
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	59 de	75 bc
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B						
7	Grasp	2	SC	2.8	FL OZ/A	E or MPOST	B	0 b	4 a	3 a	0 a	73 b	84 a
	Agri-Dex		L	1	QT/A	E or MPOST	B						
8	Grasp	2	SC	1.4	FL OZ/A	E or MPOST	B	0 b	1 ab	1 a	0 a	64 cd	75 bc
	Agri-Dex		L	1	QT/A	E or MPOST	B						
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	59 de	73 cd
	Induce		L	4.8	FL OZ/A	E or MPOST	B						
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	55 ef	65 e
	Induce		L	4.8	FL OZ/A	E or MPOST	B						
11	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	68 bc	88 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
12	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	0 b	0 b	0 a	0 a	50 f	76 bc
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
Standard Deviation								0.8	1.7	1.1	0.0	4.1	4.1
CV								393.71	273.86	345.25	0.0	6.91	5.76

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 1

Trial ID: 07-WS-48
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	11
Pest Code								GLYMA	GLYMA	
Rating Date								27-Jun-07	28-Jul-07	18-Sep-07
Rating Data Type								Control	Control	Yield
Rating Unit								%	%	bu/A
Days After First/Last Applic.								28 28	59 59	
Trt-Eval Interval								28 DA-A	59 DA-A	
1	Nontreated							0 d	0 d	161 a
2	Strada	50	WG	2.1	OZ/A	E or MPOST	B	89 b	99 a	174 a
	Induce		L	4.8	FL OZ/A	E or MPOST	B			
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	88 b	90 b	161 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	73 c	79 c	159 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	98 a	99 a	174 a
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B			
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	98 a	99 a	162 a
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B			
7	Grasp	2	SC	2.8	FL OZ/A	E or MPOST	B	98 a	99 a	164 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
8	Grasp	2	SC	1.4	FL OZ/A	E or MPOST	B	98 a	99 a	168 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	97 a	99 a	174 a
	Induce		L	4.8	FL OZ/A	E or MPOST	B			
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	96 a	99 a	172 a
	Induce		L	4.8	FL OZ/A	E or MPOST	B			
11	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	97 a	99 a	167 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B			
12	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	97 a	99 a	170 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B			
Standard Deviation								3.6	2.7	8.9
CV								4.2	3.02	5.34

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 2

Trial ID: 07-WS-49
Location: Carter Murrell - Arcola

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

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
BBCH Scale: BRIC **Planting Date:** 28-Mar-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth
Soil Moisture: Adequate **Emergence Date:** 7-Apr-07
Harvest Equipment: NA

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:** Conventional
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.	28-Mar-07	Command	3	ME	1	PT/A	N
2.	10-Apr-07	Ammonium sulfate (21-0-0)	21	GR	100	LB/A	N
3.	24-May-07	Ricestar HT	0.58	EC	24	FL OZ/A	Y
4.	24-May-07	Agri-Dex		L	1	QT/A	Y
5.	29-May-07	Grandstand	3	SL	12	FL OZ/A	Y
6.	29-May-07	Permit	75	DF	0.67	OZ/A	Y
7.	29-May-07	Agri-Dex		L	1	QT/A	Y
8.	31-May-07	Urea (46-0-0)	46	GR	400	LB/A	N

Comment: Urea was applied in four applications of 100 LB/A at weekly intervals.

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal

	Date	Type
1.	22-May-07	Flush
2.	1-Jun-07	Flood

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 2

Trial ID: 07-WS-49
Location: Carter Murrell - Arcola

Application Description

	A
Application Date:	30-Apr-07
Time of Day:	3:00 pm
Application Method:	Broadcast
Application Timing:	EPOST
Applied By:	JAB
Air Temperature, Unit:	91.3 F
% Relative Humidity:	26
Wind Velocity, Unit:	6 MPH
Wind Direction:	E
Dew Presence (Y/N):	N
Soil Temperature, Unit:	73 F
Soil Moisture:	none
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	4 IN
Height Minimum, Maximum:	3 4

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	GLYMA W
Stage Majority, Percent:	V4
Stage Minimum, Percent:	V4
Stage Maximum, Percent:	V4
Height, Unit:	5 IN
Height Minimum, Maximum:	5 5

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	26 PSI
Nozzle Type:	DG
Nozzle Size:	110015VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
29-May-07	JAB	Pretty severe root injury was observed in all Grasp plots. Flood killed remaining soybeans left after treatments. Grandstand plus Permit on surrounding field killed most soybeans there.

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 2

Trial ID: 07-WS-49
Location: Carter Murrell - Arcola

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5	6
Pest Code												GLYMA	GLYMA
Rating Date								7-May-07	12-May-07	21-May-07	29-May-07	7-May-07	12-May-07
Rating Data Type								Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control
Rating Unit								%	%	%	%	%	%
Days After First/Last Applic.								7 7	12 12	21 21	29 29	7 7	12 12
Trt-Eval Interval								7 DA-A	12 DA-A	21 DA-A	29 DA-A	7 DA-A	12 DA-A
1	Nontreated							0 c	0 c	0 a	0 b	0 f	0 g
2	Weed-free Check							11 a	8 a	0 a	0 b	89 a	97 a
	SuperWham	4	SC	4	QT/A	E or MPOST	B						
	Agri-Dex		L	1	QT/A	E or MPOST	B						
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	9 b	5 ab	0 a	0 b	93 a	96 a
	Agri-Dex		L	1	QT/A	E or MPOST	B						
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	1 c	3 bc	0 a	0 b	80 a	81 b
	Agri-Dex		L	1	QT/A	E or MPOST	B						
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	1 c	1 c	0 a	0 b	61 b	75 bc
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B						
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	0 c	0 c	0 a	0 b	40 cd	60 de
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B						
7	Grasp	2	SC	2.8	FL OZ/A	E or MPOST	B	1 c	3 bc	0 a	6 a	58 b	68 cd
	Agri-Dex		L	1	QT/A	E or MPOST	B						
8	Grasp	2	SC	1.4	FL OZ/A	E or MPOST	B	0 c	0 c	0 a	6 a	51 bc	68 cd
	Agri-Dex		L	1	QT/A	E or MPOST	B						
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	0 c	0 c	0 a	0 b	33 d	55 de
	Induce		L	4.8	FL OZ/A	E or MPOST	B						
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	0 c	0 c	0 a	0 b	38 cd	53 e
	Induce		L	4.8	FL OZ/A	E or MPOST	B						
11	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	0 c	1 c	0 a	0 b	35 d	59 de
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
12	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	0 c	0 c	0 a	0 b	18 e	38 f
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B						
Standard Deviation								1.6	1.8	0.0	1.0	9.9	8.6
CV								78.52	110.78	0.0	99.45	19.96	13.74

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
In Season Volunteer Roundup Ready Soybean Control 2

Trial ID: 07-WS-49
Location: Carter Murrell - Arcola

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7	8	9
	Pest Code							GLYMA	GLYMA	GLYMA
	Rating Date							21-May-07	29-May-07	30-Apr-07
	Rating Data Type							Control	Control	Density
	Rating Unit							%	%	number
	Days After First/Last Applic.							21 21	29 29	0 0
	Trt-Eval Interval							21 DA-A	29 DA-A	0 DA-A
1	Nontreated							0 e	0 c	9 a
2	Weed-free Check							99 a	100 a	10 a
	SuperWham	4	SC	4	QT/A	E or MPOST	B			
	Agri-Dex		L	1	QT/A	E or MPOST	B			
3	SuperWham	4	SC	4	QT/A	E or MPOST	B	98 a	100 a	16 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
4	SuperWham	4	SC	2	QT/A	E or MPOST	B	85 c	94 b	12 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
5	Regiment	80	WP	0.67	OZ/A	E or MPOST	B	93 ab	97 ab	7 a
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B			
6	Regiment	80	WP	0.33	OZ/A	E or MPOST	B	90 bc	97 ab	11 a
	Dyne-A-Pak		L	28.8	FL OZ/A	E or MPOST	B			
7	Grasp	2	SC	2.8	FL OZ/A	E or MPOST	B	93 ab	97 ab	12 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
8	Grasp	2	SC	1.4	FL OZ/A	E or MPOST	B	93 ab	95 b	12 a
	Agri-Dex		L	1	QT/A	E or MPOST	B			
9	Permit	75	WG	1.33	OZ/A	E or MPOST	B	76 d	93 b	9 a
	Induce		L	4.8	FL OZ/A	E or MPOST	B			
10	Permit	75	WG	0.67	OZ/A	E or MPOST	B	74 d	94 b	8 a
	Induce		L	4.8	FL OZ/A	E or MPOST	B			
11	Grandstand R	3	SL	16	FL OZ/A	E or MPOST	B	78 d	95 b	12 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B			
12	Grandstand R	3	SL	8	FL OZ/A	E or MPOST	B	71 d	95 b	9 a
	Agri-Dex		L	19.2	FL OZ/A	E or MPOST	B			
	Standard Deviation							4.3	3.3	5.2
	CV							5.42	3.72	49.78

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Tank Mixtures of Ricestar HT with Zinc Fertilizer and Methylated Seed Oil Adjuvant

Trial ID: 07-WS-50
Location: DREC

Objectives:
To determine weed control efficacy and crop tolerance to combinations of Ricestar HT, zinc fertilizer, and methylated seed oil adjuvant.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 20-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

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

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.	6-Jun-07	Grandstand R	3	SL	12	OZ	Y
2.	6-Jun-07	Permit	75	DF	0.75	OZ	Y
3.	6-Jun-07	Induce			0.25	% v/v	Y
4.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
5.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 7-May-2007
Do-All, 8-May-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

Mississippi State University - DREC
Tank Mixtures of Ricestar HT with Zinc Fertilizer and Methylated Seed Oil Adjuvant

Trial ID: 07-WS-50
Location: DREC

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Application Description

	A
Application Date:	24-May-07
Time of Day:	7:30 am
Application Method:	Broadcast
Application Timing:	EPOST
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	73 F
% Relative Humidity:	76
Wind Velocity, Unit:	3 MPH
Wind Direction:	SE
Dew Presence (Y/N):	N
Soil Temperature, Unit:	72 F
Soil Moisture:	Mud
% Cloud Cover:	0

Crop Stage At Each Application

	A
Crop 1 Code:	ORYSA
Stage Majority, Percent:	2 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	2 leaf
Height, Unit:	5 IN
Height Minimum, Maximum:	4 5

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	ECHCG W
Stage Majority, Percent:	3 leaf
Stage Minimum, Percent:	2 leaf
Stage Maximum, Percent:	3 leaf
Height, Unit:	2 IN
Height Minimum, Maximum:	1 2
Density, Unit:	10 FT2

Mississippi State University - DREC
Tank Mixtures of Ricestar HT with Zinc Fertilizer and Methylated Seed Oil Adjuvant

Trial ID: 07-WS-50
Location: DREC

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	31 PSI
Nozzle Type:	TT
Nozzle Size:	110015
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	3.5 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Date	By	Notes
31-May-07	JAB	Injury appeared to be slightly worse in plots without MSO. Injury was chlorosis.

Date	By	Deviations
24-May-07	JAB	Change MPOST to EPOST

Reasons: Needed to apply treatments under good moisture conditions.

Mississippi State University - DREC
Tank Mixtures of Ricestar HT with Zinc Fertilizer and Methylated Seed Oil Adjuvant

Trial ID: 07-WS-50
Location: DREC

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	31-May-07 Rice Injury % 7 DA-A	7-Jun-07 Rice Injury % 14 DA-A	21-Jun-07 Rice Injury % 28 DA-A	ECHCG 31-May-07 Control % 7 DA-A	ECHCG 7-Jun-07 Control % 14 DA-A	ECHCG 21-Jun-07 Control % 28 DA-A
	Pest Code												
	Rating Date							31-May-07	7-Jun-07	21-Jun-07	31-May-07	7-Jun-07	21-Jun-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
	Rating Unit							%	%	%	%	%	%
	Days After First/Last Applic.							7 7	14 14	28 28	7 7	14 14	28 28
	Trt-Eval Interval							7 DA-A	14 DA-A	28 DA-A	7 DA-A	14 DA-A	28 DA-A
								1	2	3	4	5	6
1	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	0 d	0 a	0 a	94 a	89 a	89 a
	No Zinc Fertilizer												
2	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	6 a	2 a	0 a	93 a	89 a	89 a
	Zinc Plus	1.084	L	3.7	QT/A	MPOST	A						
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	4 ab	4 a	0 a	93 a	86 a	86 a
	Zinc EDTA	0.99	L	4.04	QT/A	MPOST	A						
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	1 cd	1 a	0 a	94 a	94 a	91 a
	MSO Adjuvant		L	1	PT/A	MPOST	A						
	No Zinc Fertilizer												
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	5 a	3 a	0 a	93 a	90 a	88 a
	MSO Adjuvant		L	1	PT/A	MPOST	A						
	Zinc Plus	1.084	L	3.7	QT/A	MPOST	A						
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	3 bc	1 a	0 a	91 a	91 a	90 a
	MSO Adjuvant		L	1	PT/A	MPOST	A						
	Zinc EDTA	0.99	L	4.04	QT/A	MPOST	A						
	Standard Deviation							1.3	1.6	0.0	2.2	4.4	3.2
	CV							42.5	98.75	0.0	2.33	4.9	3.61

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	20-Sep-07 Yield bu/A
	Pest Code							
	Rating Date							20-Sep-07
	Rating Data Type							Yield
	Rating Unit							bu/A
	Days After First/Last Applic.							
	Trt-Eval Interval							
								9
1	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	182 a
	No Zinc Fertilizer							
2	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	181 a
	Zinc Plus	1.084	L	3.7	QT/A	MPOST	A	
3	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	175 a
	Zinc EDTA	0.99	L	4.04	QT/A	MPOST	A	
4	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	172 a
	MSO Adjuvant		L	1	PT/A	MPOST	A	
	No Zinc Fertilizer							
5	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	174 a
	MSO Adjuvant		L	1	PT/A	MPOST	A	
	Zinc Plus	1.084	L	3.7	QT/A	MPOST	A	
6	Ricestar HT	0.58	EC	24	FL OZ/A	MPOST	A	172 a
	MSO Adjuvant		L	1	PT/A	MPOST	A	
	Zinc EDTA	0.99	L	4.04	QT/A	MPOST	A	
	Standard Deviation							6.8
	CV							3.85

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Harbinger Performance in Mississippi 2

Trial ID: 07-WS-52
Location: DREC - Red Rice Field

Objectives:
To determine weed control efficacy and rice tolerance to preemergence applications of Harbinger.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 14-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 74 F
Soil Moisture: Adequate **Emergence Date:** 22-May-07
Harvest Equipment: NA

Pest Description

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

Pest 2 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:** F Fair

Maintenance

No.	Date	Maintenance Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Tank Mix
1.	14-May-07	Roundup Weathermax	5.5	AS	30	FL OZ/A	N
2.	18-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
3.	15-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N
4.	29-Jun-07	Clincher SF	2.38	EC	15	FL OZ/A	Y
5.	29-Jun-07	Agri-Dex		L	1	QT/A	Y
6.	10-Jul-07	Clincher SF	2.38	EC	10	FL OZ/A	Y
7.	10-Jul-07	Agri-Dex		L	1	QT/A	Y

Field Prep./Maintenance:
Disk, October 2006
Triple-K, 24-Apr-2007
Do-All, 15-May-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

Mississippi State University - DREC
Harbinger Performance in Mississippi 2

Trial ID: 07-WS-52
Location: DREC - Red Rice Field

Moisture and Weather Conditions

Overall Moisture Conditions: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	18-May-07	Flush
2.	25-May-07	Flush
3.	1-Jun-07	Flush
4.	8-Jun-07	Flush
5.	19-Jun-07	Flood

Application Description

	A	B	C
Application Date:	15-May-07	23-May-07	12-Jun-07
Time of Day:	1:30 pm	7:45 am	9:15 am
Application Method:	Broadcast	Broadcast	Broadcast
Application Timing:	PRE	VEPOST	LPOST
Application Placement:	Soil	Soil	Foliar
Applied By:	JAB, LCV	LCV, JAB	JAB
Air Temperature, Unit:	78 F	73 F	83 F
% Relative Humidity:	63	72	60
Wind Velocity, Unit:	2 MPH	0 MPH	1 MPH
Wind Direction:	SW		NW
Dew Presence (Y/N):	N	Y	N
Soil Temperature, Unit:	76 F	72 F	76 F
Soil Moisture:	Adequate	Adequate	Mud
% Cloud Cover:	100	0	5

Crop Stage At Each Application

	A	B	C
Crop 1 Code:	ORYSA	ORYSA	ORYSA
Stage Majority, Percent:		1 leaf	2 tiller
Stage Minimum, Percent:		1 leaf	1 tiller
Stage Maximum, Percent:		1 leaf	2 tiller
Height, Unit:		3 IN	11 IN
Height Minimum, Maximum:		2 3	10 11

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:			4 leaf
Stage Minimum, Percent:			3 leaf
Stage Maximum, Percent:			4 leaf
Height, Unit:			2 IN
Height Minimum, Maximum:			2 3
Density, Unit:			1 FT2
Pest 2 Code, Disc., Scale:	LEFPA W	LEFPA W	LEFPA W
Stage Majority, Percent:			3 leaf
Stage Minimum, Percent:			2 leaf
Stage Maximum, Percent:			4 leaf
Height, Unit:			2 IN
Height Minimum, Maximum:			1 3
Density, Unit:			10 FT2

Mississippi State University - DREC
Harbinger Performance in Mississippi 2

Trial ID: 07-WS-52
Location: DREC - Red Rice Field

Application Equipment

	A	B	C
Appl. Equipment:	CO2 backpack	CO2 backpack	CO2 backpack
Operating Pressure, Unit:	32 PSI	32 PSI	28 PSI
Nozzle Type:	AI	DG	AI
Nozzle Size:	110015VS	110015VS	110015VS
Nozzle Spacing, Unit:	16 IN	16 IN	16 IN
Nozzles/Row:	4	4	4
Boom Length, Unit:	60 IN	60 IN	60 IN
Boom Height, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3.5 MPH	3.5 MPH	3 MPH
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA

Date	By	Notes
6-Jun-07	JAB	Some injury with highest Harbinger rate.

Date	By	Deviations
23-May-07	JAB	Changed DPRE to VEPOST.

Reasons: Rice had emerged prior to application.

Mississippi State University - DREC
Harbinger Performance in Mississippi 2

Trial ID: 07-WS-52
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 Code											ECHCG	ECHCG	ECHCG
	Rating Date							30-May-07	6-Jun-07	12-Jun-07	26-Jun-07	30-May-07	6-Jun-07	12-Jun-07
	Rating Data Type							Rice Injury	Rice Injury	Rice Injury	Rice Injury	Control	Control	Control
	Rating Unit							%	%	%	%	%	%	%
	Days After First/Last Applic.							15 7	22 14	28 0	42 14	15 7	22 14	28 0
	Trt-Eval Interval							15 DA-A	22 DA-A	28 DA-A	42 DA-A	15 DA-A	22 DA-A	28 DA-A
1	Nontreated							0 a	0 b	0 b	0 b	0 c	0 b	0 b
2	Prowl EC	3.3	EC	2.42	PT/A	PRE	A	5 a	0 b	0 b	0 b	95 a	96 a	93 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C							
	Aim	2	EC	1.67	FL OZ/A	LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C							
3	Prowl EC	3.3	EC	2.42	PT/A	DPRE	B	1 a	0 b	0 b	0 b	88 b	96 a	94 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C							
	Aim	2	EC	1.67	FL OZ/A	LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C							
4	Harbinger	1.6	L	2	QT/A	PRE	A	3 a	3 b	0 b	0 b	95 a	95 a	94 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C							
	Aim	2	EC	1.67	FL OZ/A	LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C							
5	Harbinger	1.6	L	4	QT/A	PRE	A	8 a	7 a	4 a	3 a	95 a	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C							
	Aim	2	EC	1.67	FL OZ/A	LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C							
6	Harbinger	1.6	L	2	QT/A	PRE	A	4 a	0 b	0 b	0 b	94 a	95 a	94 a
	Harbinger	1.6	L	2	QT/A	LPOST	C							
	Newpath	2	AS	6	FL OZ/A	LPOST	C							
	Aim	2	EC	1.67	FL OZ/A	LPOST	C							
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C							
	Standard Deviation							4.0	2.1	1.0	1.2	2.8	0.8	2.2
	CV							121.45	133.98	163.3	282.84	3.56	0.98	2.76

Means followed by same letter do not significantly differ (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
	Pest Code							ECHCG	LEFPA	LEFPA	LEFPA	LEFPA
	Rating Date							26-Jun-07	30-May-07	6-Jun-07	12-Jun-07	26-Jun-07
	Rating Data Type							Control	Control	Control	Control	Control
	Rating Unit							%	%	%	%	%
	Days After First/Last Applic.							42 14	15 7	22 14	28 0	42 14
	Trt-Eval Interval							42 DA-A	15 DA-A	22 DA-A	28 DA-A	42 DA-A
1	Nontreated							0 b	0 b	0 c	0 b	0 b
2	Prowl EC	3.3	EC	2.42	PT/A	PRE	A	93 a	95 a	96 ab	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C					
	Aim	2	EC	1.67	FL OZ/A	LPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C					
3	Prowl EC	3.3	EC	2.42	PT/A	DPRE	B	94 a	95 a	97 ab	94 a	94 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C					
	Aim	2	EC	1.67	FL OZ/A	LPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C					
4	Harbinger	1.6	L	2	QT/A	PRE	A	90 a	95 a	96 ab	95 a	95 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C					
	Aim	2	EC	1.67	FL OZ/A	LPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C					
5	Harbinger	1.6	L	4	QT/A	PRE	A	93 a	95 a	97 a	95 a	94 a
	Newpath	2	AS	6	FL OZ/A	LPOST	C					
	Aim	2	EC	1.67	FL OZ/A	LPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C					
6	Harbinger	1.6	L	2	QT/A	PRE	A	94 a	95 a	95 b	95 a	95 a
	Harbinger	1.6	L	2	QT/A	LPOST	C					
	Newpath	2	AS	6	FL OZ/A	LPOST	C					
	Aim	2	EC	1.67	FL OZ/A	LPOST	C					
	Agri-Dex		L	19.2	FL OZ/A	LPOST	C					
	Standard Deviation							3.2	0.0	1.0	1.0	1.3
	CV							4.1	0.0	1.3	1.29	1.64

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Rice Tolerance to Permit

Trial ID: 07-WS-54
Location: DREC

Objectives:
To determine crop safety to postflood Permit applications.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: Cocodrie **Description:** Conventional variety
BBCH Scale: BRIC **Planting Date:** 8-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 75 F
Soil Moisture: Adequate **Emergence Date:** 15-May-07
Harvest Date: 20-May-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 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.	8-Jun-07	SuperWham	4	EC	4	QT/A	Y
2.	8-Jun-07	Facet	75	DF	0.5	LB/A	Y
3.	8-Jun-07	Agri-Dex		L	1	QT/A	Y
4.	8-Jun-07	Urea (46-0-0)	46	GR	375	LB/A	N
5.	8-Jun-07	Karate Z	2.08	CS	2.2	FL OZ/A	N

Field Prep./Maintenance:
Disk, October 2006
Field Cultivator, 1-Apr-2007
Triple-K, 3-May-2007
Do-All, 8-May-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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	12-May-07	Flush
2.	21-May-07	Flush
3.	25-May-07	Flush
4.	1-Jun-07	Flush
5.	9-Jun-07	Flood
6.	4-Sep-07	Drain

Mississippi State University - DREC
Rice Tolerance to Permit

Trial ID: 07-WS-54
Location: DREC

Application Description

	A
Application Date:	15-Jun-07
Time of Day:	8:00 am
Application Method:	Broadcast
Application Timing:	PTFLD
Application Placement:	Foliar
Applied By:	JAB
Air Temperature, Unit:	77 F
% Relative Humidity:	76
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:	4 tiller
Stage Minimum, Percent:	3 tiller
Stage Maximum, Percent:	4 tiller
Height, Unit:	13 IN
Height Minimum, Maximum:	12 14

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	22 PSI
Nozzle Type:	TT
Nozzle Size:	11001
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA

Mississippi State University - DREC
Rice Tolerance to Permit

Trial ID: 07-WS-54
Location: DREC

Crop Name								Rice	Rice	Rice	Rice	Rice	Rice
Rating Date								29-Jun-07	5-Jul-07	13-Jul-07		19-Sep-07	20-Sep-07
Rating Data Type								Injury	Injury	Injury	50% Head	Height	Yield
Rating Unit								%	%	%	DAE	cm	bu/A
Days After First/Last Applic.								14 14	20 20	28 28			
Trt-Eval Interval								14 DA-A	20 DA-A	28 DA-A			
Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	5	6	9
1	Nontreated							0 a	0 a	0 a	83 a	103 a	186 a
2	Permit	75	WG	5.32	OZ/A	PTFLD	A	0 a	0 a	0 a	83 a	102 a	185 a
	Induce		L	4.8	FL OZ/A	PTFLD	A						
3	Permit	75	WG	10.64	OZ/A	PTFLD	A	0 a	0 a	0 a	83 a	102 a	182 a
	Induce		L	4.8	FL OZ/A	PTFLD	A						
Standard Deviation								0.0	0.0	0.0	0.0	2.7	9.5
CV								0.0	0.0	0.0	0.0	2.69	5.15

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 07-WS-44
Location: DREC - Walker

Objectives:
To evaluate A15909 and A13705 formulations for control of sheath blight in rice.

Crop Description

Crop 1: ORYSA *Oryza sativa* Rice
Variety: CL161 **Description:** Clearfield variety
BBCH Scale: BRIC **Planting Date:** 1-May-07
Planting Method: Drill **Rate, Unit:** 80 LB/A
Depth, Unit: 0.75 IN
Row Spacing, Unit: 8 IN
Seed Bed: Smooth **Soil Temperature, Unit:** 73 F
Soil Moisture: Adequate **Emergence Date:** 9-May-07
Harvest Date: 6-Sep-07 **Harvest Equipment:** Mitsubishi VM-13
Harvested Width, Unit: 2.67 FT **Harvested Length, Unit:** 15 FT
% Standard Moisture: 12.0

Pest Description

Pest 1 Type: D *Rhizoctonia solani*
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.	3-May-07	Command	3	ME	1.06	PT/A	N
2.	28-May-07	SuperWham	4	SC	4	QT/A	Y
3.	28-May-07	Facet	75	DF	0.5	LB/A	Y
4.	28-May-07	Permit	75	DF	0.75	OZ/A	Y
5.	28-May-07	Agri-Dex		L	1	QT/A	Y
6.	1-Jun-07	Urea (46-0-0)	46	GR	350	LB/A	N
7.	1-Jun-07	Karate Z	2.08	CS	2	FL OZ/A	N

Field Prep./Maintenance:
Triple-K, 30-Apr-07

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: Below Normal
Closest Weather Station: MSU-DREC **Distance:** 0.5 **Unit:** MI

	Date	Type
1.	21-May-07	Flush
2.	4-Jun-07	Flood
3.	27-Aug-07	Drain

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 07-WS-44
Location: DREC - Walker

Application Description

	A
Application Date:	11-Jul-07
Time of Day:	8:30 am
Application Method:	Broadcast
Application Timing:	PD+7
Application Placement:	Foliar
Applied By:	JAB, LCV
Air Temperature, Unit:	80 F
% Relative Humidity:	76
Wind Velocity, Unit:	2 MPH
Wind Direction:	W
Dew Presence (Y/N):	Y
Soil Moisture:	Flood
% Cloud Cover:	60

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:	33 IN
Height Minimum, Maximum:	31 34

Application Equipment

	A
Appl. Equipment:	CO2 backpack
Operating Pressure, Unit:	25 PSI
Nozzle Type:	FF
Nozzle Size:	11001VS
Nozzle Spacing, Unit:	16 IN
Nozzles/Row:	4
Boom Length, Unit:	60 IN
Boom Height, Unit:	18 IN
Ground Speed, Unit:	2 MPH
Carrier:	Water
Spray Volume, Unit:	15 GPA
Mix Size, Unit:	2

Date	By	Notes
29-Jun-07	JAB	Inoculated plots with Rhizoctonia solani.
18-Jul-07	JAB	Severity rating: 0-3 = Disease in lower third of canopy; 4-6 = Disease in middle third; 7-9 = Disease in upper third of canopy.

Date	By	Deviations
11-Jul-07	JAB	Treatments were applied later than the prescribed application timing. Treatments were applied during the early boot rice stage.

Reasons: Plots were inoculated 29-Jun-07. Treatment application was delayed until sufficient disease developed to require treatment.

Mississippi State University - DREC
Sheath Blight Control with A15909 and A13705

Trial ID: 07-WS-44
Location: DREC - Walker

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4	5
Pest Name								Sheath Blight	Sheath Blight	Sheath Blight	Sheath Blight	Sheath Blight
Rating Date								18-Jul-07	28-Jul-07	7-Aug-07	18-Jul-07	28-Jul-07
Rating Data Type								Incidence	Incidence	Incidence	Severity	Severity
Rating Unit								%	%	%	1-9	1-9
Days After First/Last Applic.								7 7	17 17	27 27	7 7	17 17
Trt-Eval Interval								9 DA-A	17 DA-A	27 DA-A	9 DA-A	17 DA-A
1	Nontreated							88 a	94 a	96 a	6 a	7 a
2	A15909	2.2	SE	17.5	FL OZ/A	PD+7	A	75 a	73 c	61 d	3 c	2 d
3	Quadris	2.08	SC	10	FL OZ/A	PD+7	A	80 a	76 bc	69 c	2 c	3 cd
	Tilt	3.6	EC	5	FL OZ/A	PD+7	A					
4	A15909	2.2	SE	21	FL OZ/A	PD+7	A	82 a	79 bc	58 d	3 c	2 d
5	A13705	1.67	SE	20	FL OZ/A	PD+7	A	85 a	80 bc	71 bc	3 bc	3 c
	Quadris	2.08	SC	6.3	FL OZ/A	PD+7	A					
6	Stratego	2.08	EC	19	FL OZ/A	PD+7	A	86 a	84 b	76 b	4 b	4 b
Standard Deviation								6.6	4.9	4.6	0.7	0.4
CV								8.01	6.11	6.32	19.49	10.93

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	6	7	9	11	14	15
Pest Name								Sheath Blight	Sheath Blight	Sheath Blight			
Rating Date								7-Aug-07	18-Jul-07	7-Aug-07		6-Sep-07	25-Sep-07
Rating Data Type								Severity	Lesion Height	Lesion Height	50% Head	Yield	Total Mill
Rating Unit								1-9	cm	cm	DAE	bu/A	%
Days After First/Last Applic.								27 27	7 7	27 27			
Trt-Eval Interval								27 DA-A	7 DA-A	27 DA-A			
1	Nontreated							8 a	47 a	73 a	87 a	152 c	70 b
2	A15909	2.2	SE	17.5	FL OZ/A	PD+7	A	2 d	28 b	32 c	87 a	193 a	71 b
3	Quadris	2.08	SC	10	FL OZ/A	PD+7	A	3 cd	28 b	33 c	88 a	199 a	72 a
	Tilt	3.6	EC	5	FL OZ/A	PD+7	A						
4	A15909	2.2	SE	21	FL OZ/A	PD+7	A	3 cd	27 b	33 c	87 a	188 ab	71 ab
5	A13705	1.67	SE	20	FL OZ/A	PD+7	A	3 c	26 b	36 c	88 a	191 a	71 b
	Quadris	2.08	SC	6.3	FL OZ/A	PD+7	A						
6	Stratego	2.08	EC	19	FL OZ/A	PD+7	A	4 b	29 b	50 b	88 a	178 b	71 b
Standard Deviation								0.4	2.4	4.3	0.8	7.0	0.4
CV								11.68	7.75	10.02	0.88	3.82	0.53

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)

Trt No.	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Growth Stage	Appl Code	16
Pest Name								
Rating Date								25-Sep-07
Rating Data Type								Whole Mill
Rating Unit								%
Days After First/Last Applic.								
Trt-Eval Interval								
1	Nontreated							65 c
2	A15909	2.2	SE	17.5	FL OZ/A	PD+7	A	67 b
3	Quadris	2.08	SC	10	FL OZ/A	PD+7	A	68 a
	Tilt	3.6	EC	5	FL OZ/A	PD+7	A	
4	A15909	2.2	SE	21	FL OZ/A	PD+7	A	67 ab
5	A13705	1.67	SE	20	FL OZ/A	PD+7	A	67 b
	Quadris	2.08	SC	6.3	FL OZ/A	PD+7	A	
6	Stratego	2.08	EC	19	FL OZ/A	PD+7	A	67 b
Standard Deviation								0.4
CV								0.62

Means followed by same letter do not significantly differ (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
DG	Drift guard nozzle
DPP	Days prior to planting
EPOST	Early postemergence application made to rice in the one- to two-leaf growth stage
F	Fahrenheit
FL OZ/A	Fluid ounces product per acre
FT	Feet
FT2	Square feet
g	Grams
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
lf or leaf	Number of leaves
LPOST	Late postemergence application made to rice in the four-leaf to one-tiller growth stage
MI	Miles
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. ft	Plant densities 14 DAE by counting the main stems in a randomly selected area of 1 ft^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
til or till	Number of tillers
Total Mill	Percent of rice kernels left after milling
TT	Turbo TeeJet nozzle
TXVS	Visible stainless steel hollow cone 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*
AMMCO	purple ammannia (redstem)	*Ammannia coccinea*
BRAPP	broadleaf signalgrass	*Urochloa platyphylla*
CNPPA	texasweed	*Caperonia palustris*
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 (marestail)	*Conyza canadensis*
GLYMA	volunteer soybean (Roundup Ready)	*Glycine max*
HETLI	ducksalad	*Heteranthera limosa*
IPOHE	ivyleaf morningglory	*Ipomoea hederacea*
IPOLA	pitted morningglory	*Ipomoea lacunosa*
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*
POLPE	ladysthumb	*Polygonum aviculare*
POLPY	Pennsylvania smartweed	*Polygonum pensylvanicum*
SEBEX	hemp sesbania	*Sesbania exaltata*

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
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
Facet	75 DF	BASF	quinclorac	3,7-dichloro-8-quinolinecarboxylic acid
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)
Harbinger	1.6 L	Western Farm Service	pendimethalin	N-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine
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
Ignite	2.34 SL	Bayer	glufosinate	glufosinate ammonium
Londax	60 DF	United Phosphorus	bensulfuron	methyl-2-[[[[[4,6-dimethoxypyrimidin-2-yl)amino]-carbonyl]amino]sulfonyl]methyl] benzoate
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

List of Herbicides (continued)

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
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
Ricebeau	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
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
Strada	50 WG	Isagro USA	orthosulfamuron	NA
SuperWham	4 EC	RiceCo	propanil	3',4'-dichloropropionanilide
Ultra Blazer	2 L	United Phosphorus	acifluorfen	sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate
Yukon	67.5 DF	Gowan	halosulfuron (0.125 lb ai/lb + dicamba (0.55 lb ai/lb)	methyl 5-{[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylamino-sulfonyl}-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate + 3,6-dichloro-*o*-anisic sodium
NA	10 WP	DuPont	DPX-KF081	NA
NA	75 DG	Valent	V-10142	NA

List of Fungicides

Trade Name	Formulation	Manufacturer	Common Name	Chemical Name
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
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
NA	2.2 SE	Syngenta	azoxystrobin (1.18 lb ai/gal) + propiconazole (1.02 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

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%)
Dyne-A-Pak	100%	Helena	methylated seed oil	blend of alkanolamides, alkanoates, trisiloxane, carbamides, methylated seed oil, and urea-ammonium nitrate solution
Kinetic HV	99%	Helena	nonionic 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 2007

	Month				
Day of month	**May**	**June**	**July**	**August**	**September**
1	0	0	0.1	0	0
2	0.06	0	1.62	0	0
3	0.17	0	0	0	0
4	0.67	0.03	0.01	0	0.47
5	0.03	0	0.01	0	0.24
6	0.03	0	0.09	0	0.23
7	0	0	2.97	0	0
8	0	0.11	0.44	0	0.13
9	0	0.1	0.03	0	0
10	0.22	0	0.31	0	0.17
11	0.02	0	0.38	0	0.19
12	0	0	0	0	0.03
13	0	0	1.04	0	0
14	0	0	0.19	0	1.92
15	0	0	0.04	0	0
16	0.05	0	0	0	0
17	0.02	0	0.18	0	0
18	0	0	0.12	0	0
19	0	2.09	0	0	0
20	0	0.4	0	0	0
21	0	0	0.09	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0.02	0	0	0.51
25	0	0.09	0	0	0.09
26	0	0	0.1	0	0.09
27	0	0.12	0	0	0.58
28	0	0	0	0	0
29	0	0.95	0	0.13	0
30	0	0	0	1.05	0
31	0	-	0.02	2.25	-
Total	**1.27**	**3.91**	**7.74**	**3.43**	**4.65**

Mississippi State University

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