

LSU Northeast Research Station

Evaluation of preplant applications of Permit in drill-seeded rice.

Trial ID: SJ05R024
Location:Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION****Investigator:** Bill Williams**Conducted Under GLP (Y/N):** N**Conducted Under GEP (Y/N):** N

Conclusions: As in 2004, preplant and preemergence applications of Permit suppressed hemp sesbania and rice flatsedge. However, these treatments did not result in increased rice yields as in 2004. This was likely due to a reduction in early season barnyardgrass associated early Permit applications in 2005, this was not observed in 2004. Overall, the best rice yield (126 bu/A) was observed in plots treated with Command preemergence and followed by Regiment plus Permit just before flood.

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	ECHCG Barnyardgrass, common	Echinochloa crus-galli
2.	SEBEX Hemp sesbania	Sesbania exaltata
3.	COMDI Dayflower, spreading	Commelina diffusa
4.	CYPIR Flatsedge, rice	Cyperus iria

Crop 1: ORYSA	RICE	Variety: Cocodrie
Planting Date: 5/16/05		Planting Method: DRILLED
Rate: 90	LB/A	Depth: 0.25
		IN
Row Spacing: 8	IN	Spacing Within Row: 5
		FT
		Seed Bed: MEDIUM
		Soil Moisture: DRY
		Emergence Date: 5/25/05

SITE AND DESIGN

Plot Width, Unit: 6.67	FT	Plot Length, Unit: 15	FT	Reps: 3
Site Type:	RICE PADDY			
Tillage Type: CONVENTIONAL-TILL		Study Design: RANDOMIZED COMPLETE BLOCK		

SOIL DESCRIPTION

% Sand: 24	% OM: 2.11	Texture: Clay
% Silt: 34	pH: 7.94	Soil Name: Sharkey
% Clay: 42	CEC: 21.9	Fert. Level: EXCELLENT

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MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	5/17/05	10:00			Flushed	0	na
2.	5/21/05	10:00			Flushed	0	na
3.	5/25/05	8:00 PM	0.78	in	Rainfall	0	na
4.	5/29/05	1:00 AM	0.63	in	Rainfall	0	na
5.	5/30/05	11:00 A	1.51	in	Rainfall	0	na
6.	5/31/05	8:00 PM	0.26	in	Rainfall	0	na
7.	6/2/05	4:00 PM	0.04	in	Rainfall	0	na
8.	6/6/05	7:00 PM	0.39	in	Rainfall	0	na
9.	6/17/05				300 lb Urea - Permanent flood	0	na
10.	6/18/05	11:00 A	0.42	in	Rainfall	0	na
11.	7/3/05	6:00 PM	0.06	in	Rainfall	0	na
12.	7/6/05	1:30 PM	1.6	in	Rainfall	0	na
13.	7/8/05	1:45 PM	0.93	in	Rainfall	0	na
14.	7/10/05	1:00 PM	0.04	in	Rainfall	0	na
15.	7/14/05	2:00 PM	0.44	in	Rainfall	0	na
16.	7/16/05	10:00 P	0.04	in	Rainfall	0	na
17.	7/17/05	1:00 PM	0.25	in	Rainfall	0	na
18.	7/18/05	7:00 PM	0.05	in	Rainfall	0	na
19.	7/22/05	2:30 PM	0.15	in	Rainfall	0	na
20.	8/4/05	3:30 PM	0.27	in	Rainfall	0	na
21.	8/5/05	8:00 PM	0.45	in	Rainfall	0	na
22.	8/6/05	6:00 PM	0.25	in	Rainfall	0	na
23.	8/16/05	6:00 PM	1.31	in	Rainfall	0	na
24.	8/22/05	9:00 PM	0.05	in	Rainfall	0	na

Overall Moisture Conditions: NORMAL

Closest Weather Station: Northeast Research Station

Distance: 0.25

Unit: MI

APPLICATION DESCRIPTION

	A	B	C
Application Date:	5/6/05	5/18/05	6/14/05
Time of Day:	3:00	3:00	2:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	2WPP	PRE	3DPF
Applic. Placement:	BROFOL	BROSOI	BROFOL
Air Temp., Unit:	91 F	91 F	95 F
% Relative Humidity:	63	63	68
Wind Velocity, Unit:	5 S	5 S	6 S
Dew Presence (Y/N):	N	N	N
Soil Temp., Unit:	97 F	97 F	100 F
Soil Moisture:	DRY	DRY	MOIST
% Cloud Cover:	20	30	30

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ORYSA n/a	ORYSA n/a	ORYSA 1 T
Stage Scale:	n/a	n/a	6-8 in

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	ECHCG n/a	ECHCG n/a	ECHCG 4-5 lf
Stage Scale:	n/a	n/a	4-6 in
Weed 2 Code, Stage:	SEBEX n/a	SEBEX n/a	SEBEX 5 lf
Stage Scale:	n/a	n/a	3-4 in
Weed 3 Code, Stage:	COMDI n/a	COMDI n/a	COMDI 4-6 lf
Stage Scale:	n/a	n/a	4-5 in

Weed 4 Code, Stage: CYPIR n/a
Stage Scale: n/a

CYPIR n/a
n/a

CYPIR 4 lf
4 in

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APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	Backpack	Backpack	Backpack
Operating Pressure:	31	31	31
Nozzle Type:	Greenleaf	Greenleaf	Greenleaf
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN
Nozzles/Row:	4	4	4
Carrier:	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2

LSU Northeast Research Station

Evaluation of preplant applications of Permit in drill-seeded rice.

Trial ID: SJ05R024
 Location:

Study Dir.:
 Investigator: Bill Williams

Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/4/05	6/21/05	6/30/05	7/14/05
Trt-Eval Interval	17 DA-B	7 DA-C	16 DA-C	30 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4		
1	Roundup Weathermax Command	22	OZ/A	2 WPP	92	a 90	a 90	b 85	c	
		1.6	PT/A	PRE						
2	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	93	a 88	ab 90	b 85	c	
		0.25	OZ/A	2WPP						
		1.6	PT/A	PRE						
3	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	92	a 90	a 90	b 85	c	
		0.5	OZ/A	2WPP						
		1.6	PT/A	PRE						
4	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	93	a 87	abc 83	c 77	d	
		0.75	OZ/A	2WPP						
		1.6	PT/A	PRE						
5	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	92	a 90	a 80	d 70	e	
		1.0	OZ/A	2WPP						
		1.6	PT/A	PRE						
6	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	90	a 80	d 80	d 70	e	
		0.25	OZ/A	PRE						
		1.6	PT/A	PRE						
7	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	93	a 80	d 80	d 70	e	
		0.5	OZ/A	PRE						
		1.6	PT/A	PRE						
8	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	92	a 80	d 70	e 60	f	
		0.75	OZ/A	PRE						
		1.6	PT/A	PRE						
9	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	92	a 80	d 70	e 63	f	
		1.0	OZ/A	PRE						
		1.6	PT/A	PRE						
10	Roundup Weathermax Permit Command	22	OZ/A	2 WPP	92	a 85	a-d 90	b 95	a	
		0.25	OZ/A	2WPP						
		1.6	PT/A	PRE						
	Regiment Permit	0.5	OZ/A	3 DPF						
		0.75	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						

LSU Northeast Research Station

Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/4/05	6/21/05	6/30/05	7/14/05
Trt-Eval Interval	17 DA-B	7 DA-C	16 DA-C	30 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	
11	Roundup Weathermax	22	OZ/A	2 WPP	92	a 88	ab 90	b 93	ab
	Permit	0.5	OZ/A	2WPP					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
12	Roundup Weathermax	22	OZ/A	2 WPP	90	a 87	abc 90	b 90	abc
	Permit	0.75	OZ/A	2WPP					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Permit	0.25	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
13	Roundup Weathermax	22	OZ/A	2 WPP	90	a 87	abc 90	b 95	a
	Permit	1.0	OZ/A	2WPP					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
14	Roundup Weathermax	22	OZ/A	2 WPP	90	a 87	abc 90	b 88	bc
	Permit	0.25	OZ/A	PRE					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Permit	0.75	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
15	Roundup Weathermax	22	OZ/A	2 WPP	90	a 83	bcd 90	b 90	abc
	Permit	0.5	OZ/A	PRE					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
16	Roundup Weathermax	22	OZ/A	2 WPP	90	a 80	d 90	b 90	abc
	Permit	0.75	OZ/A	PRE					
	Command	1.6	PT/A	PRE					
	Regiment	0.5	OZ/A	3 DPF					
	Permit	0.25	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					

LSU Northeast Research Station

Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	6/4/05	6/21/05	6/30/05	7/14/05
Trt-Eval Interval	17 DA-B	7 DA-C	16 DA-C	30 DA-C
ARM Action Codes				
# Subsamples, Dec.				
Trt Treatment	Rate	Unit	Grow	
No. Name	Rate	Unit	Stg	1 2 3 4
17 Roundup Weathermax	22	OZ/A	2 WPP	90 a 80 d 90 b 93 ab
Permit	1.0	OZ/A	PRE	
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
18 Roundup Weathermax	22	OZ/A	2 WPP	90 a 88 ab 95 a 92 ab
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Permit	0.25	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
19 Roundup Weathermax	22	OZ/A	2 WPP	93 a 87 abc 90 b 95 a
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Permit	0.5	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
20 Roundup Weathermax	22	OZ/A	2 WPP	92 a 90 a 90 b 95 a
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Permit	0.75	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
21 Roundup Weathermax	22	OZ/A	2 WPP	90 a 82 cd 90 b 95 a
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Permit	1.0	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
22 Roundup Weathermax	22	OZ/A	2 WPP	93 a 83 bcd 90 b 95 a
Command	1.6	PT/A	PRE	
Regiment	0.5	OZ/A	3 DPF	
Kinetic	0.125	% V/V	3 DPF	
LSD (P=.05)				3.7 6.5 3.1 6.5
Bartlett's X2				0.0 6.608 0.056 6.368
P(Bartlett's X2)				1.00 0.882 0.973 0.848

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code	ECHCG	SEBEX	SEBEX	SEBEX
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/10/05	6/4/05	6/21/05	6/30/05
Trt-Eval Interval	57 DA-C	17 DA-B	7 DA-C	16 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8
1	Roundup Weathermax Command	22 1.6	OZ/A PT/A	2 WPP PRE	70	e 0	h 0	d 0 c
2	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	70	e 30	g 0	d 0 c
3	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	70	e 63	de 0	d 0 c
4	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	70	e 82	ab 0	d 0 c
5	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	63	f 83	a 0	d 0 c
6	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	70	e 40	f 0	d 0 c
7	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	70	e 63	de 0	d 0 c
8	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	63	f 73	c 0	d 0 c
9	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	63	f 77	bc 0	d 0 c
10	Roundup Weathermax Permit Command Regiment Permit Kinetic	22 0.25 1.6 0.5 0.75 0.125	OZ/A OZ/A PT/A OZ/A OZ/A % V/V	2 WPP 2WPP PRE 3 DPF 3 DPF 3 DPF	90	abc 30	g 57	c 95 a

LSU Northeast Research Station

Weed Code	ECHCG	SEBEX	SEBEX	SEBEX
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/10/05	6/4/05	6/21/05	6/30/05
Trt-Eval Interval	57 DA-C	17 DA-B	7 DA-C	16 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8	
11	Roundup Weathermax Permit	22	OZ/A	2 WPP	88	bcd 60	e 63	ab 93	b
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
12	Roundup Weathermax Permit	22	OZ/A	2 WPP	90	abc 82	ab 62	b 95	a
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
13	Roundup Weathermax Permit	22	OZ/A	2 WPP	93	ab 83	a 67	a 93	b
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
14	Roundup Weathermax Permit	22	OZ/A	2 WPP	90	abc 37	f 60	bc 93	b
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
15	Roundup Weathermax Permit	22	OZ/A	2 WPP	90	abc 60	e 60	bc 92	b
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					
16	Roundup Weathermax Permit	22	OZ/A	2 WPP	87	cd 67	d 60	bc 95	a
	Command	1.6	PT/A	PRE					
	Regiment Permit	0.5	OZ/A	3 DPF					
	Kinetic	0.125	% V/V	3 DPF					

LSU Northeast Research Station

Weed Code	ECHCG	SEBEX	SEBEX	SEBEX
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	8/10/05	6/4/05	6/21/05	6/30/05
Trt-Eval Interval	57 DA-C	17 DA-B	7 DA-C	16 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8		
17	Roundup Weathermax Permit	22	OZ/A	2 WPP	83	d	63	de 63	ab 95	a
	Command	1.0	OZ/A	PRE						
	Regiment	1.6	PT/A	PRE						
	Permit	0.5	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						
18	Roundup Weathermax Permit	22	OZ/A	2 WPP	93	ab	0	h 60	bc 95	a
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3 DPF						
	Permit	0.25	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						
19	Roundup Weathermax Permit	22	OZ/A	2 WPP	92	abc	0	h 60	bc 95	a
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3 DPF						
	Permit	0.5	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						
20	Roundup Weathermax Permit	22	OZ/A	2 WPP	95	a	0	h 67	a 95	a
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3 DPF						
	Permit	0.75	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						
21	Roundup Weathermax Permit	22	OZ/A	2 WPP	93	ab	0	h 60	bc 95	a
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3 DPF						
	Permit	1.0	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						
22	Roundup Weathermax Permit	22	OZ/A	2 WPP	93	ab	0	h 60	bc 95	a
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3 DPF						
	Kinetic	0.125	% V/V	3 DPF						

LSD (P=.05)	5.6	5.7	4.7	1.9
Bartlett's X2	5.834	3.773	1.121	0.059
P(Bartlett's X2)	0.884	0.957	0.952	0.996

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

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Weed Code	SEBEX	SEBEX	CYPIR	CYPIR
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/14/05	8/10/05	6/4/05	6/21/05
Trt-Eval Interval	30 DA-C	57 DA-C	17 DA-B	7 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	9	10	11	12	
1	Roundup Weathermax Command	22 1.6	OZ/A PT/A	2 WPP PRE	0	c 0	b 0	c 0	e
2	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	0	c 0	b 83	a 72	c
3	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	0	c 0	b 92	a 82	b
4	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	0	c 0	b 93	a 82	b
5	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	0	c 0	b 93	a 83	b
6	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	0	c 0	b 87	a 70	c
7	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	0	c 0	b 93	a 93	a
8	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	0	c 0	b 93	a 93	a
9	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	0	c 0	b 93	a 60	d
10	Roundup Weathermax Permit Command Regiment Permit Kinetic	22 0.25 1.6 0.5 0.75 0.125	OZ/A OZ/A PT/A OZ/A OZ/A % V/V	2 WPP 2WPP PRE 3 DPF 3 DPF 3 DPF	95	a 95	a 83	a 93	a

LSU Northeast Research Station

Weed Code	SEBEX	SEBEX	CYPIR	CYPIR
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	7/14/05	8/10/05	6/4/05	6/21/05
Trt-Eval Interval	30 DA-C	57 DA-C	17 DA-B	7 DA-C
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Stg	Grow	9	10	11	12	
11	Roundup Weathermax	22	OZ/A	2	WPP	95	a 95	a 93	a 93	a
	Permit	0.5	OZ/A	2	WPP					
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Permit	0.5	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					
12	Roundup Weathermax	22	OZ/A	2	WPP	95	a 95	a 93	a 93	a
	Permit	0.75	OZ/A	2	WPP					
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Permit	0.25	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					
13	Roundup Weathermax	22	OZ/A	2	WPP	95	a 93	a 93	a 93	a
	Permit	1.0	OZ/A	2	WPP					
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					
14	Roundup Weathermax	22	OZ/A	2	WPP	95	a 95	a 93	a 93	a
	Permit	0.25	OZ/A	PRE						
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Permit	0.75	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					
15	Roundup Weathermax	22	OZ/A	2	WPP	85	b 93	a 92	a 93	a
	Permit	0.5	OZ/A	PRE						
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Permit	0.5	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					
16	Roundup Weathermax	22	OZ/A	2	WPP	95	a 95	a 92	a 93	a
	Permit	0.75	OZ/A	PRE						
	Command	1.6	PT/A	PRE						
	Regiment	0.5	OZ/A	3	DPF					
	Permit	0.25	OZ/A	3	DPF					
	Kinetic	0.125	% V/V	3	DPF					

LSU Northeast Research Station

Weed Code			SEBEX	SEBEX	CYPIR	CYPIR
Crop Code						
Part Rated			PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type			CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%
Rating Date			7/14/05	8/10/05	6/4/05	6/21/05
Trt-Eval Interval			30 DA-C	57 DA-C	17 DA-B	7 DA-C
ARM Action Codes						
# Subsamples, Dec.						
Trt	Treatment	Rate	Grow			
No.	Name	Rate	Unit	Stg	9	10
					11	12
17	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95
	Permit	1.0	OZ/A	PRE		a 92
	Command	1.6	PT/A	PRE		a 93
	Regiment	0.5	OZ/A	3 DPF		a
	Kinetic	0.125	% V/V	3 DPF		
18	Roundup Weathermax	22	OZ/A	2 WPP	83	b 95
	Command	1.6	PT/A	PRE		a 32
	Regiment	0.5	OZ/A	3 DPF		b 70
	Permit	0.25	OZ/A	3 DPF		c
	Kinetic	0.125	% V/V	3 DPF		
19	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95
	Command	1.6	PT/A	PRE		a 0
	Regiment	0.5	OZ/A	3 DPF		c 80
	Permit	0.5	OZ/A	3 DPF		b
	Kinetic	0.125	% V/V	3 DPF		
20	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95
	Command	1.6	PT/A	PRE		a 0
	Regiment	0.5	OZ/A	3 DPF		c 93
	Permit	0.75	OZ/A	3 DPF		a
	Kinetic	0.125	% V/V	3 DPF		
21	Roundup Weathermax	22	OZ/A	2 WPP	95	a 93
	Command	1.6	PT/A	PRE		a 0
	Regiment	0.5	OZ/A	3 DPF		c 93
	Permit	1.0	OZ/A	3 DPF		a
	Kinetic	0.125	% V/V	3 DPF		
22	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95
	Command	1.6	PT/A	PRE		a 0
	Regiment	0.5	OZ/A	3 DPF		c 93
	Kinetic	0.125	% V/V	3 DPF		a
LSD (P=.05)					8.3	1.8
Bartlett's X2					0.345	0.0
P(Bartlett's X2)					0.557	1.00
						19.7
						6.9
						76.283
						27.219
						0.001*
						0.055

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code				CYPIR	CYPIR	ORYSA		ORYSA	
Crop Code				PLATOT P	PLATOT P	GRAIN C	GRAIN C		
Part Rated				CONTROL	CONTROL	lb/A	YIELD		
Rating Data Type				%	%	12% Mst	BU		
Rating Unit				6/30/05	8/10/05	9/22/05	9/22/05		
Trt-Eval Interval				16 DA-C	57 DA-C				
ARM Action Codes								TY1	
# Subsamples, Dec.								0	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	13	14	15	16	
1	Roundup Weathermax Command	22 1.6	OZ/A PT/A	2 WPP PRE	0	f 0	c 0	h 0	h
2	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	50	e 0	c 0	h 0	h
3	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	73	d 0	c 0	h 0	h
4	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	73	d 0	c 0	h 0	h
5	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP 2WPP PRE	70	d 0	c 0	h 0	h
6	Roundup Weathermax Permit Command	22 0.25 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	50	e 0	c 0	h 0	h
7	Roundup Weathermax Permit Command	22 0.5 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	78	c 0	c 0	h 0	h
8	Roundup Weathermax Permit Command	22 0.75 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	88	b 0	c 0	h 0	h
9	Roundup Weathermax Permit Command	22 1.0 1.6	OZ/A OZ/A PT/A	2 WPP PRE PRE	88	b 0	c 0	h 0	h
10	Roundup Weathermax Permit Command Regiment Permit Kinetic	22 0.25 1.6 0.5 0.75 0.125	OZ/A OZ/A PT/A OZ/A OZ/A % V/V	2 WPP 2WPP PRE 3 DPF 3 DPF 3 DPF	95	a 95	a 6	d 97	d

LSU Northeast Research Station

Weed Code				CYPIR	CYPIR		ORYSA	ORYSA
Crop Code							GRAIN	GRAIN
Part Rated				PLATOT P	PLATOT P	GRAIN C	C	C
Rating Data Type				CONTROL	CONTROL	lb/A	YIELD	YIELD
Rating Unit				%	%	12% Mst	BU	BU
Rating Date				6/30/05	8/10/05	9/22/05	9/22/05	9/22/05
Trt-Eval Interval				16 DA-C	57 DA-C			
ARM Action Codes							TY1	
# Subsamples, Dec.							0	
Trt	Treatment	Rate	Grow					
No.	Name	Rate	Unit	Stg	13	14	15	16
11	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 7	b 115
	Permit	0.5	OZ/A	2WPP				b
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
12	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 6	bc 110
	Permit	0.75	OZ/A	2WPP				bc
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.25	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
13	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 5	e 82
	Permit	1.0	OZ/A	2WPP				e
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
14	Roundup Weathermax	22	OZ/A	2 WPP	93	a 93	b 6	bc 109
	Permit	0.25	OZ/A	PRE				bc
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.75	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
15	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 3	g 51
	Permit	0.5	OZ/A	PRE				g
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
16	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 3	g 53
	Permit	0.75	OZ/A	PRE				g
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.25	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				

LSU Northeast Research Station

Weed Code				CYPIR	CYPIR		ORYSA	ORYSA
Crop Code							GRAIN C	GRAIN C
Part Rated				PLATOT P	PLATOT P	GRAIN C		
Rating Data Type				CONTROL	CONTROL	lb/A		YIELD
Rating Unit				%	%	12% Mst		BU
Rating Date				6/30/05	8/10/05	9/22/05		9/22/05
Trt-Eval Interval				16 DA-C	57 DA-C			
ARM Action Codes								TY1
# Subsamples, Dec.								0
Trt	Treatment	Rate	Grow					
No.	Name	Rate	Unit	Stg	13	14	15	16
17	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 4	f 70
	Permit	1.0	OZ/A	PRE				f
	Command	1.6	PT/A	PRE				
	Regiment	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
18	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 6	b 114
	Command	1.6	PT/A	PRE				b
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.25	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
19	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 7	a 126
	Command	1.6	PT/A	PRE				a
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
20	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 7	a 126
	Command	1.6	PT/A	PRE				a
	Regiment	0.5	OZ/A	3 DPF				
	Permit	0.75	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
21	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 6	c 106
	Command	1.6	PT/A	PRE				c
	Regiment	0.5	OZ/A	3 DPF				
	Permit	1.0	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
22	Roundup Weathermax	22	OZ/A	2 WPP	95	a 95	a 5	d 95
	Command	1.6	PT/A	PRE				d
	Regiment	0.5	OZ/A	3 DPF				
	Kinetic	0.125	% V/V	3 DPF				
LSD (P=.05)					3.4	1.0	0.4	6.9
Bartlett's X2					2.949	0.0	10.2	10.2
P(Bartlett's X2)					0.708	.	0.598	0.598

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

LSU Northeast Research Station

Weed Code				CYPIR	CYPIR		
Crop Code						ORYSA	ORYSA
Part Rated				PLATOT P	PLATOT P	GRAIN C	GRAIN C
Rating Data Type				CONTROL	CONTROL	lb/A	YIELD
Rating Unit				%	%	12% Mst	BU
Rating Date				6/30/05	8/10/05	9/22/05	9/22/05
Trt-Eval Interval				16 DA-C	57 DA-C		
ARM Action Codes							TY1
# Subsamples, Dec.							0
Trt Treatment		Rate	Grow				
No. Name		Rate Unit	Stg	13	14	15	16
Column 16: TY1 = 17.6*[15]							