

LSU Northeast Research Station

Sequential applications of Command and Permit for weed control in rice drill-seeded to stale seed beds.

Trial ID: SJ06R007
Location:

Protocol ID: SJ06R007
Study Director:
Investigator: Bill Williams

General Trial Information

Investigator: Bill Williams

Conclusions:

The goal of this trial was to evaluate sequential applications of Command and Permit in drill-seeded rice. A factorial treatment arrangement was used. Factor A consisted of two treatments: 1) 22 oz/A Roundup Weathermax plus 0.8 pt/A Command applied 2 weeks before planting and 2) 22 oz/A Roundup Weathermax plus 0.8 pt/A Command plus 0.5 oz/A Permit applied 2 weeks before planting. Factor B consisted of 4 treatments: 1) 0.4 oz/A Regiment at the 3-4 leaf stage, 2) 0.4 oz/A Regiment plus 0.5 oz/A Permit at the 3-4 leaf stage, 3) 0.4 oz/A Regiment plus 0.8 pt/A Command at the 3-4 leaf stage and 4) 0.4 oz/A Regiment plus 0.8 pt/A Command plus 0.5 oz/A Permit at the 3-4 leaf stage. Two controls were included: 1) Roundup 2 weeks before planting followed by Roundup plus 1.33 pt/A Command at planting followed by Regiment plus Permit just before flood and 2) non-treated. Overall, weed control was best from the sequential programs. Unlike previous years rice yields were, however, highest with in the standard Command preemergence followed by Regiment plus Permit. In general, including Permit with the preplant program improved yield over that observed with Command alone. Rice yields in this trial may have been confounded by the overall poor control of Amazon sprangletop.

Crop Description

Crop 1: ORYSA	Oryza sativa	Common rice
Variety:	Trainasse	
BBCH Scale:	BRIC	Planting Date: 5/24/06
Planting Method:	DRILLED	Rate, Unit: 100 LB/A
Depth, Unit:	1 IN	
Row Spacing, Unit:	8 IN	
Seed Bed:	MEDIUM	
Soil Moisture:	DRY	Emergence Date: 5/31/06
		Harvest Equipment: Small plot combine
Harvested Width, Unit:	5 FT	Harvested Length, Unit: 12 FT
% Standard Moisture:	12.0	

Pest Description

Pest 1 Type: W	Code: ECHCG	Echinochloa crus-galli
	Common Name:	Common barnyardgrass
Pest 2 Type: W	Code: LEFPA	Leptochloa panicoides
	Common Name:	Amazon sprangletop
Pest 3 Type: W	Code: SEBEX	Sesbania exaltata
	Common Name:	Hemp sesbania
Pest 4 Type: W	Code: CNPPA	Caperonia palustris
	Common Name:	Texasweed
Pest 5 Type: W	Code: CYPPIR	Cyperus iria
	Common Name:	Rice flatsedge
Pest 6 Type: W	Code: COMDI	Commelina diffusa
	Common Name:	Spreading dayflower
Pest 7 Type: W	Code: ECLAL	Eclipta alba
	Common Name:	Eclipta
Pest 8 Type: W	Code: CYPES	Cyperus esculentus
	Common Name:	Yellow Nutsedge

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Site and Design

Plot Width, Unit: 6.67 FT Site Type: RICE PADDY
 Plot Length, Unit: 15 FT Tillage Type: CONVENTIONAL-TILL
 Replications: 3 Study Design: Factorial

Maintenance

No.	Date	Maintenance Treatment Name	Rate	Unit
1.	6/27/06	Prilled urea	300	LB/A

Soil Description

Description Name: Bay 4 - North end
 % Sand: 25.2 % OM: 2.07 Texture: Clay
 % Silt: 32.8 pH: 7.87 Soil Name: Sharkey
 % Clay: 42 CEC: 21.9 Fert. Level: Excellent

Moisture Conditions

Overall Moisture Conditions: Dry
 Closest Weather Station: Northeast Research Station Distance: 0.25 Unit: MI

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	5/26/06				Flush		
2.	5/28/06	5:00 pm	0.18	In	Rain	1	Hou
3.	5/29/06	2:30 pm	0.46	In	Rain	2.5	Hou
4.	5/30/06	1:30 pm	0.79	In	Rain	3	Hou
5.	6/2/06	6:30 pm	0.03	In	Rain	1	Hou
6.	6/5/06				Flush		
7.	6/12/06				Flush		
8.	6/17/06	7:00 pm	0.03	In	Rain	1	Hou
9.	6/18/06	10:00 p	0.01	In	Rain	1	Hou
10.	6/19/06	10:00 p	0.05	In	Rain	1	Hou
11.	6/20/06	2:30 pm	0.19	In	Rain	1	Hou
12.	6/24/06	9:00 pm	0.07	In	Rain	1	Hou
13.	6/27/06				Fertilizer		
14.	6/28/06				Permanent Flood		
15.	7/3/06	1:00 pm	0.07	In	Rain	0.5	Hou
16.	7/4/06	3:00 pm	0.69	In	Rain	1.5	Hou
17.	7/4/06	7:00 am				1	Hou
18.	7/5/06	12:00 a	1.25	In	Rain	0.75	Hou
19.	7/5/06	6:00pm				1.5	Hou
20.	7/6/06	6:00 pm	0.35	In	Rain	3.5	Hou
21.	7/11/06	2:00 pm	0.45	In	Rain	2	Hou

Application Description

	A	B	C	D
Application Date:	4/28/06	5/25/06	6/16/06	6/23/06
Time of Day:	8:00	8:30	10:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	7-14 DPP	PRE	3-4 LF	3 DPF
Application Placement:	BANSOI	BANSOI	BANFOL	BANFOL
Air Temperature, Unit:	67 F	72 F	85 F	94 F
% Relative Humidity:	52	68	74	44
Wind Velocity, Unit:	5 MPH	3 MPH	4 MPH	0 MPH
Wind Direction:	N	N	S	
Soil Temperature, Unit:	68 F	81 F	88 F	96 F
Soil Moisture:	DRY	DRY	DAMP	DRY
% Cloud Cover:	40	30	70	30

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Crop Stage At Each Application

	A	B	C	D
Crop 1 Code, BBCH Scale:	ORYSA BRIC	ORYSA BRIC	ORYSA BRIC	ORYSA BRIC
Stage Scale Used:	BBCH	BBCH	BBCH	BBCH
Stage Majority, Percent:	N/A	N/A	3 LF 100	3 TILL 100
Height, Unit:			5.5 IN	8 IN
Height Minimum, Maximum:			5 6	8 8

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:	N/A	N/A	5LF 1T 100	3 TILL 100
Height, Unit:			5 IN	6 IN
Height Minimum, Maximum:			4 6	6 6
Pest 2 Code, Disc., Scale:	LEFPA W	LEFPA W	LEFPA W	LEFPA W
Stage Majority, Percent:	N/A	N/A	3-4 lf 100	3 TILL 100
Height, Unit:			1 IN	4 IN
Height Minimum, Maximum:			0.5 1	4 4
Pest 3 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:	N/A	N/A	6-8 LF 100	
Height, Unit:			6 IN	6 IN
Height Minimum, Maximum:			6 6	6 6
Pest 4 Code, Disc., Scale:	CNPPA W	CNPPA W	CNPPA W	CNPPA W
Stage Majority, Percent:	N/A	N/A	4 LF 100	6-8 LF 100
Height, Unit:			2.5 IN	6 IN
Height Minimum, Maximum:			2.5 2.5	6 6
Pest 5 Code, Disc., Scale:	CYPIR W	CYPIR W	CYPIR W	CYPIR W
Stage Majority, Percent:	N/A	N/A	4 LF 100	4 LF 100
Height, Unit:			2.5 IN	2.5 IN
Height Minimum, Maximum:			2.5 2.5	2.5 2.5
Pest 6 Code, Disc., Scale:	COMDI W	COMDI W	COMDI W	COMDI W
Stage Majority, Percent:	N/A	N/A	4 LF 100	runner 100
Height, Unit:			2 IN	3 IN
Height Minimum, Maximum:			2 2	3 3
Pest 7 Code, Disc., Scale:	ECLAL W	ECLAL W	ECLAL W	ECLAL W
Stage Majority, Percent:	N/A	N/A	N/A	4 lf 100
Height, Unit:				2 IN
Height Minimum, Maximum:				2 2
Pest 8 Code, Disc., Scale:	CYPES W	CYPES W	CYPES W	CYPES W
Stage Majority, Percent:	N/A	N/A	N/A	
Height, Unit:				9 IN
Height Minimum, Maximum:				9 9

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Application Equipment

	A	B	C	D
Appl. Equipment:	Backpack	Backpack	Backpack	Backpack
Operating Pressure, Unit:	31 PSI	31 PSI	31 PSI	31 PSI
Nozzle Type:	Greenleaf	Greenleaf	Greenleaf	Greenleaf
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Nozzles/Row:	2	2	2	2
Ground Speed, Unit:	2.8 MPH	2.8 MPH	2.8 MPH	2.8 MPH
Carrier:	Water	Water	Water	Water
Spray Volume, Unit:	15 GAL/AC	15 GAL/AC	15 GAL/AC	15 GAL/AC
Propellant:	CO2	CO2	CO2	CO2

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Pest Type	W Weed	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	
Pest Code	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	
Pest Name	Common barn>	Common barn>	Common barn>	Common barn>	Common barn>	Common barn>	Common barn>	
Crop Code								
BBCH Scale								
Crop Name								
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	
Rating Date	5/23/06	5/31/06	6/10/06	6/15/06	6/22/06	6/30/06		
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	%	%	%	%	%	%	%	
Days After First/Last Applic.	25 25	33 6	43 16	48 21	55 6	63 7		
Trt-Eval Interval	25 DA-A	6 DA-B	16 DA-B	21 DA-B	6 DA-C	7 DA-D		
Plant-Eval Interval	-1 DP-1	7 DP-1	17 DP-1	22 DP-1	29 DP-1	37 DP-1		
ARM Action Codes								
Number of Decimals								
Trt Treatment	Rate	Unit	1	2	3	4	5	6
1 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	90.0 a	70.0 c	76.7 b	90.0 a
Command	0.8 pt/a							
Regiment	0.4 oz/a							
Dyne-A-Pak	1.5 % v/v							
2 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	90.0 a	66.7 c	76.7 b	93.3 a
Command	0.8 pt/a							
Regiment	0.4 oz/a							
Command	0.8 pt/a							
Dyne-A-Pak	1.5 % v/v							
3 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	70.0 c	76.7 b	90.0 a
Command	0.8 pt/a							
Regiment	0.4 oz/a							
Permit	0.5 oz/a							
Dyne-A-Pak	1.5 % v/v							
4 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	70.0 c	76.7 b	90.0 a
Command	0.8 pt/a							
Regiment	0.4 oz/a							
Command	0.8 pt/a							
Permit	0.5 oz/a							
Dyne-A-Pak	1.5 % v/v							
5 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	86.7 b	83.3 ab	91.7 a
Command	0.8 pt/a							
Permit	0.5 oz/a							
Regiment	0.4 oz/a							
Dyne-A-Pak	1.5 % v/v							
6 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	85.0 b	83.3 ab	90.0 a
Command	0.8 pt/a							
Permit	0.5 oz/a							
Regiment	0.4 oz/a							
Command	0.8 pt/a							
Dyne-A-Pak	1.5 % v/v							
7 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	80.0 b	83.3 ab	90.0 a
Command	0.8 pt/a							
Permit	0.5 oz/a							
Regiment	0.4 oz/a							
Permit	0.5 oz/a							
Dyne-A-Pak	1.5 % v/v							
8 Roundup Weathermax	22 oz/a		99.7 a	95.0 a	91.7 a	83.3 b	83.3 ab	90.0 a
Command	0.8 pt/a							
Permit	0.5 oz/a							
Regiment	0.4 oz/a							
Command	0.8 pt/a							
Permit	0.5 oz/a							
Dyne-A-Pak	1.5 % v/v							

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Pest Type	W Weed	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Pest Code	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Pest Name	Common barn>	Common barn>	Common barn>	Common barn>	Common barn>	Common barn>
Crop Code						
BBCH Scale						
Crop Name						
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date	5/23/06	5/31/06	6/10/06	6/15/06	6/22/06	6/30/06
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Days After First/Last Applic.	25 25	33 6	43 16	48 21	55 6	63 7
Trt-Eval Interval	25 DA-A	6 DA-B	16 DA-B	21 DA-B	6 DA-C	7 DA-D
Plant-Eval Interval	-1 DP-1	7 DP-1	17 DP-1	22 DP-1	29 DP-1	37 DP-1
ARM Action Codes						
Number of Decimals						
Trt Treatment	Rate					
No. Name	Rate Unit	1	2	3	4	5
9 Roundup Weathermax	22 oz/a	0.0 b	95.0 a	95.0 a	93.3 a	90.0 a
Roundup Weathermax	22 oz/a					
Command	1.33 pt/a					
Regiment	0.5 oz/a					
Permit	0.5 oz/a					
Dyne-A-Pak	1.5 % v/v					
10 Nontreated		0.0 b	0.0 b	0.0 b	0.0 d	0.0 c
LSD (P=.05)		0.42	0.00	3.13	5.14	5.91
Standard Deviation		0.24	0.00	1.83	3.00	3.44
CV		0.31	0.0	2.21	4.25	4.72
Bartlett's X2		0.0	0.0	1.85	1.816	0.0
P(Bartlett's X2)		1.00	.	0.968	0.769	1.00
Replicate F		36.000	0.000	21.000	0.278	13.500
Replicate Prob(F)		0.0001	1.0000	0.0001	0.7602	0.0003
Treatment F		89401.009	0.000	757.917	231.351	171.531
Treatment Prob(F)		0.0001	1.0000	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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

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Pest Type									
Pest Code		ECHCG	ECHCG	LEFPA	LEFPA	LEFPA	SEBEX		
Pest Name		Common barn>	Common barn>	Amazon spra>	Amazon spra>	Amazon spra>	Hemp sesban>		
Crop Code									
BBCH Scale									
Crop Name									
Part Rated		PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P		
Rating Date		7/7/06	7/21/06	6/30/06	7/7/06	7/21/06	5/23/06		
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit		%	%	%	%	%	%		
Days After First/Last Applic.		70 14	84 28	63 7	70 14	84 28	25 25		
Trt-Eval Interval		14 DA-D	28 DA-D	7 DA-D	14 DA-D	28 DA-D	25 DA-A		
Plant-Eval Interval		44 DP-1	58 DP-1	37 DP-1	44 DP-1	58 DP-1	-1 DP-1		
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Rate	Unit	7	8	9	10	11	12
1	Roundup Weathermax	22	oz/a	90.0	95.0	30.0	0.0	0.0	0.0
	Command	0.8	pt/a						
	Regiment	0.4	oz/a						
	Dyne-A-Pak	1.5	% v/v						
2	Roundup Weathermax	22	oz/a	90.0	95.0	30.0	30.0	30.0	0.0
	Command	0.8	pt/a						
	Regiment	0.4	oz/a						
	Command	0.8	pt/a						
	Dyne-A-Pak	1.5	% v/v						
3	Roundup Weathermax	22	oz/a	90.0	95.0	53.3	30.0	30.0	0.0
	Command	0.8	pt/a						
	Regiment	0.4	oz/a						
	Permit	0.5	oz/a						
	Dyne-A-Pak	1.5	% v/v						
4	Roundup Weathermax	22	oz/a	90.0	95.0	75.0	30.0	30.0	0.0
	Command	0.8	pt/a						
	Regiment	0.4	oz/a						
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Dyne-A-Pak	1.5	% v/v						
5	Roundup Weathermax	22	oz/a	90.0	95.0	30.0	30.0	30.0	98.3
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Regiment	0.4	oz/a						
	Dyne-A-Pak	1.5	% v/v						
6	Roundup Weathermax	22	oz/a	90.0	95.0	33.3	30.0	30.0	98.3
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Regiment	0.4	oz/a						
	Command	0.8	pt/a						
	Dyne-A-Pak	1.5	% v/v						
7	Roundup Weathermax	22	oz/a	90.0	95.0	50.0	30.0	30.0	98.3
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Regiment	0.4	oz/a						
	Permit	0.5	oz/a						
	Dyne-A-Pak	1.5	% v/v						
8	Roundup Weathermax	22	oz/a	90.0	95.0	68.3	50.0	50.0	98.3
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Regiment	0.4	oz/a						
	Command	0.8	pt/a						
	Permit	0.5	oz/a						
	Dyne-A-Pak	1.5	% v/v						
9	Roundup Weathermax	22	oz/a	80.0	95.0	75.0	30.0	30.0	0.0
	Roundup Weathermax	22	oz/a						
	Command	1.33	pt/a						
	Regiment	0.5	oz/a						
	Permit	0.5	oz/a						
	Dyne-A-Pak	1.5	% v/v						

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Pest Type		ECHCG	ECHCG	LEFPA	LEFPA	LEFPA	SEBEX
Pest Code		Common barn>	Common barn>	Amazon spra>	Amazon spra>	Amazon spra>	Hemp sesban>
Pest Name							
Crop Code							
BBCH Scale							
Crop Name							
Part Rated		PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date		7/7/06	7/21/06	6/30/06	7/7/06	7/21/06	5/23/06
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit		%	%	%	%	%	%
Days After First/Last Applic.		70 14	84 28	63 7	70 14	84 28	25 25
Trt-Eval Interval		14 DA-D	28 DA-D	7 DA-D	14 DA-D	28 DA-D	25 DA-A
Plant-Eval Interval		44 DP-1	58 DP-1	37 DP-1	44 DP-1	58 DP-1	-1 DP-1
ARM Action Codes							
Number of Decimals							
Trt Treatment	Rate						
No. Name	Rate Unit	7	8	9	10	11	12
10 Nontreated		0.0 c	0.0 b	0.0 d	0.0 c	0.0 c	0.0 b
LSD (P=.05)		0.00	0.00	7.51	0.00	0.00	2.56
Standard Deviation		0.00	0.00	4.38	0.00	0.00	1.49
CV		0.0	0.0	9.84	0.0	0.0	3.79
Bartlett's X2		0.0	0.0	0.481	0.0	0.0	0.0
P(Bartlett's X2)		.	.	0.975	.	.	1.00
Replicate F		0.000	0.000	0.130	0.000	0.000	6.000
Replicate Prob(F)		1.0000	1.0000	0.8785	1.0000	1.0000	0.0101
Treatment F		0.000	0.000	91.696	0.000	0.000	3481.000
Treatment Prob(F)		1.0000	1.0000	0.0001	1.0000	1.0000	0.0001

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

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Pest Type	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	
Pest Code	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	
Pest Name							
Crop Code							
BBCH Scale							
Crop Name							
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	
Rating Date	5/31/06	6/10/06	6/15/06	6/22/06	6/30/06	7/7/06	
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit	%	%	%	%	%	%	
Days After First/Last Applic.	33 6	43 16	48 21	55 6	63 7	70 14	
Trt-Eval Interval	6 DA-B	16 DA-B	21 DA-B	6 DA-C	7 DA-D	14 DA-D	
Plant-Eval Interval	7 DP-1	17 DP-1	22 DP-1	29 DP-1	37 DP-1	44 DP-1	
ARM Action Codes							
Number of Decimals							
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	
No. Name	Rate Unit	13	14	15	16	17	18
1 Roundup Weathermax	22 oz/a	0.0 c	0.0 b	0.0 c	86.7 a	95.0 a	95.0 a
Command	0.8 pt/a						
Regiment	0.4 oz/a						
Dyne-A-Pak	1.5 % v/v						
2 Roundup Weathermax	22 oz/a	0.0 c	0.0 b	0.0 c	90.0 a	95.0 a	95.0 a
Command	0.8 pt/a						
Regiment	0.4 oz/a						
Command	0.8 pt/a						
Dyne-A-Pak	1.5 % v/v						
3 Roundup Weathermax	22 oz/a	0.0 c	0.0 b	0.0 c	90.0 a	93.3 a	95.0 a
Command	0.8 pt/a						
Regiment	0.4 oz/a						
Permit	0.5 oz/a						
Dyne-A-Pak	1.5 % v/v						
4 Roundup Weathermax	22 oz/a	0.0 c	0.0 b	0.0 c	91.7 a	95.0 a	95.0 a
Command	0.8 pt/a						
Regiment	0.4 oz/a						
Command	0.8 pt/a						
Permit	0.5 oz/a						
Dyne-A-Pak	1.5 % v/v						
5 Roundup Weathermax	22 oz/a	91.7 b	91.7 a	83.3 b	93.3 a	95.0 a	95.0 a
Command	0.8 pt/a						
Permit	0.5 oz/a						
Regiment	0.4 oz/a						
Dyne-A-Pak	1.5 % v/v						
6 Roundup Weathermax	22 oz/a	95.0 a	91.7 a	93.3 a	95.0 a	95.0 a	95.0 a
Command	0.8 pt/a						
Permit	0.5 oz/a						
Regiment	0.4 oz/a						
Command	0.8 pt/a						
Dyne-A-Pak	1.5 % v/v						
7 Roundup Weathermax	22 oz/a	95.0 a	91.7 a	93.3 a	93.3 a	95.0 a	95.0 a
Command	0.8 pt/a						
Permit	0.5 oz/a						
Regiment	0.4 oz/a						
Permit	0.5 oz/a						
Dyne-A-Pak	1.5 % v/v						
8 Roundup Weathermax	22 oz/a	95.0 a	93.3 a	91.7 a	90.0 a	93.3 a	95.0 a
Command	0.8 pt/a						
Permit	0.5 oz/a						
Regiment	0.4 oz/a						
Command	0.8 pt/a						
Permit	0.5 oz/a						
Dyne-A-Pak	1.5 % v/v						
9 Roundup Weathermax	22 oz/a	91.7 b	0.0 b	0.0 c	0.0 b	83.3 b	95.0 a
Roundup Weathermax	22 oz/a						
Command	1.33 pt/a						
Regiment	0.5 oz/a						
Permit	0.5 oz/a						
Dyne-A-Pak	1.5 % v/v						

LSU Northeast Research Station

Pest Type	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX
Pest Code	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>
Pest Name						
Crop Code						
BBCH Scale						
Crop Name						
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date	5/31/06	6/10/06	6/15/06	6/22/06	6/30/06	7/7/06
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%	%
Days After First/Last Applic.	33 6	43 16	48 21	55 6	63 7	70 14
Trt-Eval Interval	6 DA-B	16 DA-B	21 DA-B	6 DA-C	7 DA-D	14 DA-D
Plant-Eval Interval	7 DP-1	17 DP-1	22 DP-1	29 DP-1	37 DP-1	44 DP-1
ARM Action Codes						
Number of Decimals						
Trt Treatment						
No. Name	13	14	15	16	17	18
Rate Unit						
10 Nontreated	0.0 c	0.0 b	0.0 c	0.0 b	0.0 c	0.0 b
LSD (P=.05)	2.28	2.71	3.73	7.25	3.62	0.00
Standard Deviation	1.33	1.58	2.17	4.23	2.11	0.00
CV	2.83	4.29	6.01	5.79	2.51	0.0
Bartlett's X2	0.0	0.0	1.604	5.344	1.327	0.0
P(Bartlett's X2)	1.00	1.00	0.658	0.50	0.515	.
Replicate F	0.474	4.333	3.353	5.456	2.250	0.000
Replicate Prob(F)	0.6302	0.0291	0.0578	0.0141	0.1342	1.0000
Treatment F	4158.369	2713.667	1389.824	249.409	596.750	0.000
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001	1.0000

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

LSU Northeast Research Station

Pest Type				
Pest Code		SEBEX		
Pest Name		Hemp sesban>		
Crop Code			ORYSA	ORYSA
BBCH Scale			BRIC	BRIC
Crop Name			Common rice	Common rice
Part Rated		PLATOT P	GRAIN C	GRAIN C
Rating Date		7/21/06	9/20/06	9/20/06
Rating Data Type		CONTROL	YIELD	YIELD
Rating Unit		%	lb/plot	BU
Days After First/Last Applic.		84 28	145 89	145 89
Trt-Eval Interval		28 DA-D		
Plant-Eval Interval		58 DP-1	119 DP-1	119 DP-1
ARM Action Codes				TY1
Number of Decimals				0
Trt Treatment	Rate			
No. Name	Rate Unit	19	20	21
1 Roundup Weathermax	22 oz/a	91.7 a	4.13 c	60 c
Command	0.8 pt/a			
Regiment	0.4 oz/a			
Dyne-A-Pak	1.5 % v/v			
2 Roundup Weathermax	22 oz/a	91.7 a	4.23 c	61 c
Command	0.8 pt/a			
Regiment	0.4 oz/a			
Command	0.8 pt/a			
Dyne-A-Pak	1.5 % v/v			
3 Roundup Weathermax	22 oz/a	91.7 a	4.10 c	59 c
Command	0.8 pt/a			
Regiment	0.4 oz/a			
Permit	0.5 oz/a			
Dyne-A-Pak	1.5 % v/v			
4 Roundup Weathermax	22 oz/a	91.7 a	4.37 c	63 c
Command	0.8 pt/a			
Regiment	0.4 oz/a			
Command	0.8 pt/a			
Permit	0.5 oz/a			
Dyne-A-Pak	1.5 % v/v			
5 Roundup Weathermax	22 oz/a	91.7 a	5.07 b	73 b
Command	0.8 pt/a			
Permit	0.5 oz/a			
Regiment	0.4 oz/a			
Dyne-A-Pak	1.5 % v/v			
6 Roundup Weathermax	22 oz/a	91.7 a	5.17 b	75 b
Command	0.8 pt/a			
Permit	0.5 oz/a			
Regiment	0.4 oz/a			
Command	0.8 pt/a			
Dyne-A-Pak	1.5 % v/v			
7 Roundup Weathermax	22 oz/a	91.7 a	5.00 b	72 b
Command	0.8 pt/a			
Permit	0.5 oz/a			
Regiment	0.4 oz/a			
Permit	0.5 oz/a			
Dyne-A-Pak	1.5 % v/v			
8 Roundup Weathermax	22 oz/a	91.7 a	5.47 b	79 b
Command	0.8 pt/a			
Permit	0.5 oz/a			
Regiment	0.4 oz/a			
Command	0.8 pt/a			
Permit	0.5 oz/a			
Dyne-A-Pak	1.5 % v/v			
9 Roundup Weathermax	22 oz/a	91.7 a	7.27 a	105 a
Roundup Weathermax	22 oz/a			
Command	1.33 pt/a			
Regiment	0.5 oz/a			
Permit	0.5 oz/a			
Dyne-A-Pak	1.5 % v/v			

LSU Northeast Research Station

Pest Type			
Pest Code	SEBEX		
Pest Name	Hemp sesban>		
Crop Code		ORYSA	ORYSA
BBCH Scale		BRIC	BRIC
Crop Name		Common rice	Common rice
Part Rated	PLATOT P	GRAIN C	GRAIN C
Rating Date	7/21/06	9/20/06	9/20/06
Rating Data Type	CONTROL	YIELD	YIELD
Rating Unit	%	lb/plot	BU
Days After First/Last Applic.	84 28	145 89	145 89
Trt-Eval Interval	28 DA-D		
Plant-Eval Interval	58 DP-1	119 DP-1	119 DP-1
ARM Action Codes			TY1
Number of Decimals			0
Trt Treatment	Rate		
No. Name	Rate Unit		
		19	20
10 Nontreated		0.0 b	1.13 d
			16 d
LSD (P=.05)	1.57	0.546	7.9
Standard Deviation	0.91	0.318	4.6
CV	1.11	6.93	6.93
Bartlett's X2	0.0	11.387	11.387
P(Bartlett's X2)	1.00	0.25	0.25
Replicate F	81.000	3.200	3.201
Replicate Prob(F)	0.0001	0.0647	0.0647
Treatment F	3025.000	69.833	69.835
Treatment Prob(F)	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)

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ARM Action Codes

TY1 = 14.48333*[20]