

LSU Northeast Research Station

Pre- and post-flood annual grass control in drill-seeded rice with Clincher.

Trial ID: SJ06R013	Protocol ID: SJ06R013
Location:	Study Director:
	Investigator: Bill Williams

General Trial Information

Investigator: Bill Williams

Crop Description

Crop 1: ORYSA Oryza sativa	Common rice
Variety: Cheniere	
BBCH Scale: BRIC	Planting Date: 4/25/06
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: 5/6/06
	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

Site and Design

Plot Width, Unit: 6.67 FT	Site Type: FIELD
Plot Length, Unit: 15 FT	Tillage Type: CONVENTIONAL-TILL
Replications: 3	Study Design: Randomized Complete Block

Maintenance

No.	Date	Maintenance		Rate	Unit
		Treatment Name	Rate		
1.	6/7/06	Prilled Urea	300		lb/a

Soil Description

Description Name: Bay 3 - North End					
% Sand: 26	% OM: 2.23	Texture:	Clay		
% Silt: 32	pH: 7.98	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:** M

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	Date	Time	Amount	Unit	Type	Interval	Unit
1.	4/30/06	8:30 am	1.19	In	Rain	1	Hou
2.	5/5/06	8:00 pm	1.49	In	Rain	1	Hou
3.	5/5/06	4:00 am				4	Hou
4.	5/6/06	8:00 am	0.31	In	Rain	3.5	Hou
5.	5/7/06	11:00 a	1.06	In	Rain	4	Hou
6.	5/7/06	12:00 p				2	Hou
7.	5/9/06	7:00 pm	0.39	In	Rain	0.75	Hou
8.	5/11/06	7:15 pm	0.2	In	Rain	0.5	Hou
9.	5/15/06	10:00 a	0.21	In	Rain	1	Hou
10.	5/26/06				Flush		
11.	5/28/06	5:00 pm	0.18	In	Rain	1	Hou
12.	5/29/06	2:30 pm	0.46	In	Rain	2.5	Hou
13.	5/30/06	1:30 pm	0.79	In	Rain	3	Hou
14.	6/2/06	6:30 pm	0.03	In	Rain	1	Hou
15.	6/5/06				Flush		
16.	6/12/06				Flush		
17.	6/17/06	7:00 pm	0.03	In	Rain	1	Hou
18.	6/18/06	10:00 p	0.01	In	Rain	1	Hou
19.	6/19/06	10:00 p	0.05	In	Rain	1	Hou
20.	6/20/06	2:30 pm	0.19	In	Rain	1	Hou
21.	6/24/06	9:00 pm	0.07	In	Rain	1	Hou
22.	6/27/06				Fertilizer		
23.	6/28/06				Permanent Flood		
24.	7/3/06	1:00 pm	0.07	In	Rain	0.5	Hou
25.	7/4/06	3:00 pm	0.69	In	Rain	1.5	Hou
26.	7/4/06	7:00 am				1	Hou
27.	7/5/06	12:00 a	1.25	In	Rain	0.75	Hou
28.	7/5/06	6:00pm				1.5	Hou
29.	7/6/06	6:00 pm	0.35	In	Rain	3.5	Hou
30.	7/11/06	2:00 pm	0.45	In	Rain	2	Hou

Application Description

	A	B	C	D	E
Application Date:	4/28/06	5/15/06	6/2/06	6/15/06	6/26/06
Time of Day:	8:00	9:00	10:00	11:00	11:00
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	PRE	1-3 LF	3DPF	1WAF	10DAD
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Air Temperature, Unit:	67 F	66 F	90 F	92 F	87 F
% Relative Humidity:	52	50	54	48	48
Wind Velocity, Unit:	5 MPH	4 MPH	0 MPH	3 MPH	3 MPH
Wind Direction:	N	S		S	NW
Soil Temperature, Unit:	68 F	70 F	89 F	94 F	98 F
Soil Moisture:	Dry	DAMP	DAMP	DAMP	WET
% Cloud Cover:	40	30	100	0	70

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Crop Stage At Each Application

	A	B	C	D	E
Crop 1 Code, BBCH Scale:	ORYSA BRIC	ORYSA BRIC	ORYSA BRIC	ORYSA BRIC	ORYSA BRIC
Stage Scale Used:	BBCH	BBCH	BBCH	BBCH	BBCH
Stage Majority, Percent:	N/A	2-3 LF 100	4-6 LF 100	5LF 1-2T 100	3-4 TILL 100
Height, Unit:		2.5 IN	7 IN	15 IN	19 IN
Height Minimum, Maximum:		2 3	6 8	15 15	18 20

Pest Stage At Each Application

	A	B	C	D	E
Pest 1 Code, Disc., Scale:	ECHCG W	ECHCG W	ECHCG W	ECHCG W	ECHCG W
Stage Majority, Percent:	N/A	2-3 LF 100	5lf-1T 100	8-11 T 100	8-11 T 100
Height, Unit:		1.5 IN	7 IN	16.5 IN	15.5 IN
Height Minimum, Maximum:		1 2	6 8	16 17	15 16
Pest 2 Code, Disc., Scale:	LEFPA W	LEFPA W	LEFPA W	LEFPA W	LEFPA W
Stage Majority, Percent:	N/A	NA	3-5 LF 100	2-4 T 100	6-8 T 100
Height, Unit:			3.5 IN	14.5 IN	16 IN
Height Minimum, Maximum:			3 5	14 15	15 18
Pest 3 Code, Disc., Scale:	SEBEX W	SEBEX W	SEBEX W	SEBEX W	SEBEX W
Stage Majority, Percent:	N/A	3-4 LF 100	9-10LF 100	7-8 LF 100	--
Height, Unit:		2 IN	5.5 IN	10 IN	14 IN
Height Minimum, Maximum:		2 2	5 6	10 10	12 16

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

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Pre- and post-flood annual grass control in drill-seeded rice with Clincher.

Trial ID: SJ06R013
Location:

Protocol ID: SJ06R013
Study Director:
Investigator: Bill Williams

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							
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date	5/23/06	5/30/06	6/6/06	6/15/06	6/20/06	6/26/06	
Rating Data Type	Control	Control	Control	Control	Control	Control	
Rating Unit	%	%	%	%	%	%	%
Days After First/Last Applic.	25 8	32 15	39 4	48 0	53 5	59 0	
Trt-Eval Interval	8 DA-B	15 DA-B	22 DA-B	13 DA-C	5 DA-D	11 DA-D	
Plant-Eval Interval	28 DP-1	35 DP-1	42 DP-1	51 DP-1	56 DP-1	62 DP-1	
ARM Action Codes							
Number of Decimals							
Trt Treatment							
No. Name Rate Unit	1	2	3	4	5	6	
1 Command 1.33 pt/a	90.0 a	85.0 ab	60.0 c	56.7 b	50.0 c	30.0 c	
2 Command 1.33 pt/a	90.0 a	91.7 a	91.7 a	83.3 a	75.0 b	68.3 b	
Clincher 10 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
3 Command 1.33 pt/a	91.7 a	88.3 a	90.0 a	85.0 a	83.3 ab	66.7 b	
Clincher 13.5 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
4 Command 1.33 pt/a	93.3 a	90.0 a	90.0 a	85.0 a	90.0 a	91.7 a	
Clincher 10 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
Clincher 15 oz/a							
Agridex 1 qt/a							
5 Facet 0.5 lb/a	86.7 a	88.3 a	78.3 b	60.0 b	30.0 d	0.0 d	
Clincher 10 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
6 Facet 0.5 lb/a	91.7 a	86.7 a	78.3 b	60.0 b	53.3 c	30.0 c	
Clincher 13.5 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
7 Facet 0.5 lb/a	93.3 a	91.7 a	78.3 b	60.0 b	78.3 b	90.0 a	
Clincher 10 oz/a							
Agridex 1 qt/a							
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							
Clincher 15 oz/a							
Agridex 1 qt/a							
8 Command 1.33 pt/a	91.7 a	85.0 ab	60.0 c	56.7 b	50.0 c	30.0 c	
Grandstand 12 oz/a							
Permit 0.5 oz/a							
Agridex 1 pt/a							

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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									
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P		
Rating Date	5/23/06	5/30/06	6/6/06	6/15/06	6/20/06	6/26/06	6/26/06		
Rating Data Type	Control	Control	Control	Control	Control	Control	Control		
Rating Unit	%	%	%	%	%	%	%		
Days After First/Last Applic.	25 8	32 15	39 4	48 0	53 5	59 0	59 0		
Trt-Eval Interval	8 DA-B	15 DA-B	22 DA-B	13 DA-C	5 DA-D	11 DA-D	11 DA-D		
Plant-Eval Interval	28 DP-1	35 DP-1	42 DP-1	51 DP-1	56 DP-1	62 DP-1	62 DP-1		
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5	6
9	Command	1.33	pt/a	90.0 a	76.7 b	63.3 c	60.0 b	76.7 b	86.7 a
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
10	Command	1.33	pt/a	91.7 a	76.7 b	60.0 c	60.0 b	81.7 ab	75.0 b
	Grasp	2	oz/a						
	Agridex	1	qt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
11	Command	1.33	pt/a	90.0 a	91.7 a	91.7 a	85.0 a	90.0 a	91.7 a
	Clincher	13.5	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Agridex	1	pt/a						
	Grasp	2.5	oz/a						
	Agridex	1	qt/a						
12	Command	1.33	pt/a	88.3 a	76.7 b	60.0 c	60.0 b	76.7 b	85.0 a
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
	Clincher	10	oz/a						
	Agridex	1	qt/a						
LSD (P=.05)		7.58		6.06	3.59	6.02	6.59	9.06	
Standard Deviation		4.47		3.58	2.12	3.55	3.89	5.35	
CV		4.93		4.18	2.82	5.25	5.59	8.61	
Bartlett's X2		6.286		5.89	1.936	0.114	2.46	3.096	
P(Bartlett's X2)		0.791		0.824	0.858	1.00	0.93	0.797	
Replicate F		3.574		16.310	5.732	2.860	0.550	2.695	
Replicate Prob(F)		0.0453		0.0001	0.0099	0.0787	0.5847	0.0897	
Treatment F		0.565		8.212	126.239	37.615	71.513	103.265	
Treatment Prob(F)		0.8365		0.0001	0.0001	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	ECHCG	ECHCG	ECHCG	W Weed LEFPA	LEFPA	LEFPA			
Pest Code	Common barn>	Common barn>	Common barn>	Amazon spra>	Amazon spra>	Amazon spra>			
Pest Name									
Crop Code									
BBCH Scale									
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Date	7/3/06	7/11/06	7/25/06	5/30/06	6/6/06	6/15/06			
Rating Data Type	Control	Control	Control	Control	Control	Control			
Rating Unit	%	%	%	%	%	%			
Days After First/Last Applic.	66 7	74 15	88 29	32 15	39 4	48 0			
Trt-Eval Interval	7 DA-E	15 DA-E	29 DA-E	15 DA-B	22 DA-B	13 DA-C			
Plant-Eval Interval	69 DP-1	77 DP-1	91 DP-1	35 DP-1	42 DP-1	51 DP-1			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Rate	Unit	7	8	9	10	11	12
1	Command	1.33	pt/a	0.0 d	0.0 c	0.0 d	85.0 a	80.0 bc	63.3 b
2	Command	1.33	pt/a	53.3 bc	43.3 b	74.5 abc	91.7 a	91.7 a	86.7 a
	Clincher	10	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
3	Command	1.33	pt/a	46.7 c	43.3 b	57.0 bc	91.7 a	90.0 a	86.7 a
	Clincher	13.5	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
4	Command	1.33	pt/a	90.0 a	88.3 a	74.5 abc	91.7 a	90.0 a	88.3 a
	Clincher	10	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
5	Facet	0.5	lb/a	0.0 d	0.0 c	0.0 d	73.3 b	70.0 d	66.7 b
	Clincher	10	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
6	Facet	0.5	lb/a	0.0 d	0.0 c	0.0 d	73.3 b	76.7 c	63.3 b
	Clincher	13.5	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
7	Facet	0.5	lb/a	81.7 ab	76.7 a	73.3 abc	75.0 b	71.7 d	75.0 ab
	Clincher	10	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
8	Command	1.33	pt/a	0.0 d	0.0 c	0.0 d	85.0 a	83.3 b	66.7 b
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
9	Command	1.33	pt/a	76.7 ab	53.3 b	50.0 c	88.3 a	81.7 bc	60.0 b
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						

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Pest Type	ECHCG	ECHCG	ECHCG	W Weed LEFPA	LEFPA	LEFPA			
Pest Code	Common barn>	Common barn>	Common barn>	Amazon spra>	Amazon spra>	Amazon spra>			
Pest Name									
Crop Code									
BBCH Scale									
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Date	7/3/06	7/11/06	7/25/06	5/30/06	6/6/06	6/15/06			
Rating Data Type	Control	Control	Control	Control	Control	Control			
Rating Unit	%	%	%	%	%	%			
Days After First/Last Applic.	66 7	74 15	88 29	32 15	39 4	48 0			
Trt-Eval Interval	7 DA-E	15 DA-E	29 DA-E	15 DA-B	22 DA-B	13 DA-C			
Plant-Eval Interval	69 DP-1	77 DP-1	91 DP-1	35 DP-1	42 DP-1	51 DP-1			
ARM Action Codes									
Number of Decimals									
Trt No.	Treatment Name	Rate	Unit	7	8	9	10	11	12
10	Command	1.33	pt/a	73.3 abc	81.7 a	83.3 ab	85.0 a	81.7 bc	70.0 b
	Grasp	2	oz/a						
	Agridex	1	qt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
11	Command	1.33	pt/a	86.7 ab	86.7 a	81.7 ab	91.7 a	88.3 a	85.0 a
	Clincher	13.5	oz/a						
	Agridex	1	qt/a						
	Grandstand	12	oz/a						
	Agridex	1	pt/a						
	Grasp	2.5	oz/a						
	Agridex	1	qt/a						
12	Command	1.33	pt/a	81.7 ab	86.7 a	90.0 a	90.0 a	80.0 bc	76.7 ab
	Grandstand	12	oz/a						
	Permit	0.5	oz/a						
	Agridex	1	pt/a						
	Clincher	15	oz/a						
	Agridex	1	qt/a						
	Clincher	10	oz/a						
	Agridex	1	qt/a						
LSD (P=.05)		22.22		22.59	17.74	5.40	4.23	10.62	
Standard Deviation		13.12		13.34	10.38	3.19	2.50	6.27	
CV		26.69		28.59	21.31	3.74	3.05	8.47	
Bartlett's X2		17.628		18.237	12.235	6.99	2.028	5.171	
P(Bartlett's X2)		0.014*		0.011*	0.032*	0.726	0.917	0.879	
Replicate F		2.989		1.451	0.555	29.174	2.333	2.136	
Replicate Prob(F)		0.0711		0.2559	0.5830	0.0001	0.1205	0.1419	
Treatment F		25.694		24.264	39.220	15.720	24.030	8.339	
Treatment Prob(F)		0.0001		0.0001	0.0001	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	LEFPA	LEFPA	LEFPA	LEFPA	LEFPA	W Weed	SEBEX			
Pest Code	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Hemp sesban>	SEBEX			
Pest Name	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Hemp sesban>	Hemp sesban>			
Crop Code										
BBCH Scale										
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Date	6/20/06	6/26/06	7/3/06	7/11/06	7/25/06	5/23/06	5/30/06			
Rating Data Type	Control	Control	Control	Control	Control	Control	Control			
Rating Unit	%	%	%	%	%	%	%			
Days After First/Last Applic.	53 5	59 0	66 7	74 15	88 29	25 8	32 15			
Trt-Eval Interval	5 DA-D	11 DA-D	7 DA-E	15 DA-E	29 DA-E	8 DA-B	15 DA-B			
Plant-Eval Interval	56 DP-1	62 DP-1	69 DP-1	77 DP-1	91 DP-1	28 DP-1	35 DP-1			
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Rate	Unit	13	14	15	16	17	18	19
1	Command	1.33	pt/a	53.3 b	50.0 b	50.0 b	50.0 b	50.0 b	0.0 a	0.0 a
2	Command	1.33	pt/a	88.3 a	93.3 a	90.0 a	93.3 a	91.7 a	0.0 a	0.0 a
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
3	Command	1.33	pt/a	90.0 a	95.0 a	93.3 a	93.3 a	91.7 a	0.0 a	0.0 a
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
4	Command	1.33	pt/a	90.0 a	95.0 a	88.3 a	93.3 a	93.3 a	0.0 a	0.0 a
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
5	Facet	0.5	lb/a	60.0 b	30.0 c	30.0 c	0.0 c	0.0 c	0.0 a	0.0 a
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
6	Facet	0.5	lb/a	53.3 b	30.0 c	30.0 c	0.0 c	0.0 c	0.0 a	0.0 a
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
7	Facet	0.5	lb/a	83.3 a	91.7 a	95.0 a	95.0 a	93.3 a	0.0 a	0.0 a
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
8	Command	1.33	pt/a	56.7 b	50.0 b	50.0 b	50.0 b	50.0 b	0.0 a	0.0 a
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
9	Command	1.33	pt/a	83.3 a	91.7 a	91.7 a	93.3 a	91.7 a	0.0 a	0.0 a
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							

LSU Northeast Research Station

Pest Type	LEFPA	LEFPA	LEFPA	LEFPA	LEFPA	W Weed	SEBEX			
Pest Code	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Hemp sesban>	SEBEX			
Pest Name	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Amazon spr>	Hemp sesban>	Hemp sesban>			
Crop Code										
BBCH Scale										
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Date	6/20/06	6/26/06	7/3/06	7/11/06	7/25/06	5/23/06	5/30/06			
Rating Data Type	Control	Control	Control	Control	Control	Control	Control			
Rating Unit	%	%	%	%	%	%	%			
Days After First/Last Applic.	53 5	59 0	66 7	74 15	88 29	25 8	32 15			
Trt-Eval Interval	5 DA-D	11 DA-D	7 DA-E	15 DA-E	29 DA-E	8 DA-B	15 DA-B			
Plant-Eval Interval	56 DP-1	62 DP-1	69 DP-1	77 DP-1	91 DP-1	28 DP-1	35 DP-1			
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Rate	Unit	13	14	15	16	17	18	19
10	Command	1.33	pt/a	90.0 a	91.7 a	91.7 a	91.7 a	91.7 a	0.0 a	0.0 a
	Grasp	2	oz/a							
	Agridex	1	qt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
11	Command	1.33	pt/a	90.0 a	91.7 a	90.0 a	93.3 a	91.7 a	0.0 a	0.0 a
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Agridex	1	pt/a							
	Grasp	2.5	oz/a							
	Agridex	1	qt/a							
12	Command	1.33	pt/a	90.0 a	88.3 a	91.7 a	95.0 a	93.3 a	0.0 a	0.0 a
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
	Clincher	10	oz/a							
	Agridex	1	qt/a							
LSD (P=.05)		6.66		6.41	5.25	2.72	3.59	0.00	0.00	0.00
Standard Deviation		3.93		3.79	3.10	1.61	2.12	0.00	0.00	0.00
CV		5.08		5.06	4.17	2.28	3.03	0.0	0.0	0.0
Bartlett's X2		1.083		1.529	3.773	0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)		0.956		0.91	0.583	1.00	1.00	.	.	.
Replicate F		0.314		2.956	1.158	8.317	3.873	0.000	0.000	0.000
Replicate Prob(F)		0.7335		0.0729	0.3326	0.0020	0.0362	1.0000	1.0000	1.0000
Treatment F		50.690		147.009	212.914	1584.268	887.141	0.000	0.000	0.000
Treatment Prob(F)		0.0001		0.0001	0.0001	0.0001	0.0001	1.0000	1.0000	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	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX	SEBEX				
Pest Code	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>	Hemp sesban>				
Pest Name							ORYSA			
Crop Code							BRIC			
BBCH Scale							GRAIN C			
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	YIELD			
Rating Date	6/15/06	6/20/06	6/26/06	7/3/06	7/11/06	7/25/06	lb/plt			
Rating Data Type	Control	Control	Control	Control	Control	Control	138 79			
Rating Unit	%	%	%	%	%	%				
Days After First/Last Applic.	48 0	53 5	59 0	66 7	74 15	88 29				
Trt-Eval Interval	13 DA-C	5 DA-D	11 DA-D	7 DA-E	15 DA-E	29 DA-E				
Plant-Eval Interval	51 DP-1	56 DP-1	62 DP-1	69 DP-1	77 DP-1	91 DP-1	141 DP-1			
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Rate	Unit	20	21	22	23	24	25	26
1	Command	1.33	pt/a	0.0 c	0.0 c	0.0 c	0.0 b	0.0 c	0.0 d	0.00 g
2	Command	1.33	pt/a	86.7 a	91.7 a	88.3 a	93.3 a	90.0 a	86.7 ab	4.83 d
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
3	Command	1.33	pt/a	90.0 a	91.7 a	90.0 a	93.3 a	91.7 a	91.7 ab	6.93 b
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
4	Command	1.33	pt/a	90.0 a	93.3 a	91.7 a	93.3 a	90.0 a	91.7 ab	9.67 a
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
5	Facet	0.5	lb/a	91.7 a	93.3 a	90.0 a	93.3 a	93.3 a	93.3 a	1.67 f
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
6	Facet	0.5	lb/a	91.7 a	93.3 a	91.7 a	93.3 a	93.3 a	90.0 ab	0.00 g
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
7	Facet	0.5	lb/a	91.7 a	93.3 a	93.3 a	93.3 a	93.3 a	91.7 ab	5.33 cd
	Clincher	10	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
8	Command	1.33	pt/a	86.7 a	90.0 a	91.7 a	90.0 a	88.3 a	91.7 ab	3.23 e
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
9	Command	1.33	pt/a	90.0 a	91.7 a	91.7 a	93.3 a	91.7 a	90.0 ab	1.97 f
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							

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							ORYSA			
Crop Code							BRIC			
BBCH Scale							GRAIN C			
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P				
Rating Date	6/15/06	6/20/06	6/26/06	7/3/06	7/11/06	7/25/06	9/13/06			
Rating Data Type	Control	Control	Control	Control	Control	Control	YIELD			
Rating Unit	%	%	%	%	%	%	lb/plt			
Days After First/Last Applic.	48 0	53 5	59 0	66 7	74 15	88 29	138 79			
Trt-Eval Interval	13 DA-C	5 DA-D	11 DA-D	7 DA-E	15 DA-E	29 DA-E				
Plant-Eval Interval	51 DP-1	56 DP-1	62 DP-1	69 DP-1	77 DP-1	91 DP-1	141 DP-1			
ARM Action Codes										
Number of Decimals										
Trt No.	Treatment Name	Rate	Unit	20	21	22	23	24	25	26
10	Command	1.33	pt/a	93.3 a	91.7 a	88.3 a	88.3 a	86.7 a	83.3 b	6.07 bc
	Grasp	2	oz/a							
	Agridex	1	qt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
11	Command	1.33	pt/a	70.0 b	70.0 b	76.7 b	83.3 a	76.7 b	76.7 c	6.80 b
	Clincher	13.5	oz/a							
	Agridex	1	qt/a							
	Grandstand	12	oz/a							
	Agridex	1	pt/a							
	Grasp	2.5	oz/a							
	Agridex	1	qt/a							
12	Command	1.33	pt/a	90.0 a	91.7 a	90.0 a	91.7 a	91.7 a	90.0 ab	6.27 b
	Grandstand	12	oz/a							
	Permit	0.5	oz/a							
	Agridex	1	pt/a							
	Clincher	15	oz/a							
	Agridex	1	qt/a							
	Clincher	10	oz/a							
	Agridex	1	qt/a							
LSD (P=.05)		4.98		3.88	4.76	6.06	5.45	5.79	0.763	
Standard Deviation		2.94		2.29	2.81	3.58	3.22	3.42	0.450	
CV		3.63		2.77	3.43	4.27	3.91	4.2	10.24	
Bartlett's X2		2.565		1.274	2.094	11.127	3.528	3.374	6.55	
P(Bartlett's X2)		0.767		0.999	0.954	0.348	0.94	0.848	0.684	
Replicate F		0.562		8.084	0.616	7.207	3.488	1.130	1.418	
Replicate Prob(F)		0.5780		0.0023	0.5492	0.0039	0.0483	0.3412	0.2634	
Treatment F		238.504		411.602	260.128	165.557	200.390	174.335	135.351	
Treatment Prob(F)		0.0001		0.0001	0.0001	0.0001	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.

LSU Northeast Research Station

Pest Type			
Pest Code			
Pest Name			
Crop Code		ORYSA	
BBCH Scale		BRIC	
Part Rated		GRAIN C	
Rating Date		9/13/06	
Rating Data Type		YIELD	
Rating Unit		BU	
Days After First/Last Applic.		138 79	
Trt-Eval Interval			
Plant-Eval Interval		141 DP-1	
ARM Action Codes		TY1	
Number of Decimals		0	
Trt No.	Treatment Name	Rate	Unit
			27
1	Command	1.33 pt/a	0 g
2	Command	1.33 pt/a	73 d
	Clincher	10 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
3	Command	1.33 pt/a	104 b
	Clincher	13.5 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
4	Command	1.33 pt/a	145 a
	Clincher	10 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
	Clincher	15 oz/a	
	Agridex	1 qt/a	
5	Facet	0.5 lb/a	25 f
	Clincher	10 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
6	Facet	0.5 lb/a	0 g
	Clincher	13.5 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
7	Facet	0.5 lb/a	80 cd
	Clincher	10 oz/a	
	Agridex	1 qt/a	
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
	Clincher	15 oz/a	
	Agridex	1 qt/a	
8	Command	1.33 pt/a	49 e
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
9	Command	1.33 pt/a	30 f
	Grandstand	12 oz/a	
	Permit	0.5 oz/a	
	Agridex	1 pt/a	
	Clincher	15 oz/a	
	Agridex	1 qt/a	

LSU Northeast Research Station

Pest Type			
Pest Code			
Pest Name			
Crop Code		ORYSA	
BBCH Scale		BRIC	
Part Rated		GRAIN C	
Rating Date		9/13/06	
Rating Data Type		YIELD	
Rating Unit		BU	
Days After First/Last Applic.		138 79	
Trt-Eval Interval			
Plant-Eval Interval		141 DP-1	
ARM Action Codes		TY1	
Number of Decimals		0	
Trt No.	Treatment Name	Rate	Unit
			27
10	Command	1.33	pt/a
	Grasp	2	oz/a
	Agridex	1	qt/a
	Clincher	15	oz/a
	Agridex	1	qt/a
11	Command	1.33	pt/a
	Clincher	13.5	oz/a
	Agridex	1	qt/a
	Grandstand	12	oz/a
	Agridex	1	pt/a
	Grasp	2.5	oz/a
	Agridex	1	qt/a
12	Command	1.33	pt/a
	Grandstand	12	oz/a
	Permit	0.5	oz/a
	Agridex	1	pt/a
	Clincher	15	oz/a
	Agridex	1	qt/a
	Clincher	10	oz/a
	Agridex	1	qt/a
LSD (P=.05)			11.5
Standard Deviation			6.8
CV			10.24
Bartlett's X2			6.55
P(Bartlett's X2)			0.684
Replicate F			1.419
Replicate Prob(F)			0.2633
Treatment F			135.356
Treatment Prob(F)			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.

<u>ARM Action Codes</u> TY1 = 15.03333*[26]
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