

LSU Northeast Research Station

Effect of tankmixing Clincher with Grasp on Amazon sprangletop control: Preflood

Trial ID: SJ05R33
Location: Bay 2Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION**

Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	ECHCG Barnyardgrass, common	Echinochloa crus-galli
2.	CYPCP Annual sedge	Cyperus compressus
3.	COMDI Dayflower, spreading	Commelina diffusa
4.	LEFPA Sprangletop, Amazon	Leptochloa panicoides

Crop 1: ORYSA RICE

Variety: Cocodrie

Planting Date: 6/7/05

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: 6/14/05

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

MOISTURE CONDITIONS

Date	Time	Amount	Unit	Type	Interval	Unit
1.	6/9/05			Flush	0	n/a
2.	6/15/05			Flush	0	n/a
3.	6/18/05	11:00 A 0.42	in	Rainfall	0	n/a
4.	6/29/05			Flush	0	n/a
5.	7/3/05	6:00 PM 0.06	in	Rainfall	0	n/a
6.	7/5/05			300 lb Urea fb Permanent flood	0	n/a
7.	7/6/05	1:30 PM 1.6	in	Rainfall	0	n/a
8.	7/8/05	1:45 PM 0.93	in	Rainfall	0	n/a
9.	7/10/05	1:00 PM 0.04	in	Rainfall	0	n/a
10.	7/14/05	2:00 PM 0.44	in	Rainfall	0	n/a
11.	7/16/05	10:00 P 0.04	in	Rainfall	0	n/a
12.	7/17/05	1:00 PM 0.25	in	Rainfall	0	n/a
13.	7/18/05	7:00 PM 0.05	in	Rainfall	0	n/a
14.	7/22/05	2:30 PM 0.15	in	Rainfall	0	n/a
15.	8/4/05	3:30 PM 0.27	in	Rainfall	0	n/a
16.	8/5/05	8:00 PM 0.45	in	Rainfall	0	n/a
17.	8/6/05	6:00 PM 0.25	in	Rainfall	0	n/a
18.	8/16/05	6:00 PM 1.31	in	Rainfall	0	n/a
19.	8/22/05	9:00 PM 0.05	in	Rainfall	0	n/a

Overall Moisture Conditions: NORMAL

Closest Weather Station: Northeast Research Station

Distance: 0.25 Unit: MI

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APPLICATION DESCRIPTION

	A	B
Application Date:	6/15/05	7/1/05
Time of Day:	11:00	11:00
Application Method:	SPRAY	SPRAY
Application Timing:	1-2 lf	4-5 lf
Applic. Placement:	BROFOL	BROFOL
Air Temp., Unit:	96 F	95 F
% Relative Humidity:	54	57
Wind Velocity, Unit:	0 na	3 S
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	94 F	102 F
Soil Moisture:	WET	WET
% Cloud Cover:	0	40

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ORYSA 1-2 lf	ORYSA 4-5 lf
Stage Scale:	1 in	6 in

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	ECHCG 3-4 lf	ECHCG 1 t
Stage Scale:	2 in	4 in
Weed 2 Code, Stage:	CYPCP 1 lf	CYPCP 3 lf
Stage Scale:	1 in	2-3 in
Weed 3 Code, Stage:	COMDI 1 lf	COMDI 6-8 lf
Stage Scale:	1 in	5 in
Weed 4 Code, Stage:	LEFPA n/a	LEFPA 2-3 T
Stage Scale:	n/a	3 in

APPLICATION EQUIPMENT

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

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Study Dir.:
 Investigator: Bill Williams

Weed Code	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P				
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Rating Date	6/24/05	6/30/05	7/8/05	7/12/05	7/27/05				
Trt-Eval Interval	9 DA-A	15 DA-A	7 DA-B	11 DA-B	26 DA-B				
Trt Treatment	Rate	Unit	Grow	1	2	3	4	5	
No. Name	Rate	Unit	Stg	1	2	3	4	5	
1 Facet	8	OZ/A	1-2 lf	90	a 77	a 57	b 77	b 73	b
COC	1	QT/A	1-2 lf						
Clincher	15	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
2 Facet	8	OZ/A	1-2 lf	90	a 80	a 90	a 85	a 82	a
COC	1	QT/A	1-2 lf						
Grasp	2	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
3 Facet	8	OZ/A	1-2 lf	90	a 77	a 90	a 85	a 82	a
COC	1	QT/A	1-2 lf						
Grasp	2.25	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
4 Facet	8	OZ/A	1-2 lf	90	a 77	a 90	a 85	a 82	a
COC	1	QT/A	1-2 lf						
Grasp	2.5	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
5 Facet	8	OZ/A	1-2 lf	90	a 77	a 90	a 85	a 82	a
COC	1	QT/A	1-2 lf						
Grasp	2	OZ/A	4-5 lf						
Clincher	15	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
6 Facet	8	OZ/A	1-2 lf	90	a 77	a 90	a 85	a 82	a
COC	1	QT/A	1-2 lf						
Grasp	2.25	OZ/A	4-5 lf						
Clincher	15	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						
7 Facet	8	OZ/A	1-2 lf	90	a 77	a 90	a 90	a 87	a
COC	1	QT/A	1-2 lf						
Grasp	2.5	OZ/A	4-5 lf						
Clincher	15	OZ/A	4-5 lf						
COC	1	QT/A	4-5 lf						

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Weed Code	ECHCG	ECHCG	ECHCG	ECHCG	ECHCG
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Rating Date	6/24/05	6/30/05	7/8/05	7/12/05	7/27/05
Trt-Eval Interval	9 DA-A	15 DA-A	7 DA-B	11 DA-B	26 DA-B
Trt Treatment	Rate	Grow			
No. Name	Rate	Unit	Stg	1	2
8 Facet	8	OZ/A	1-2 lf	90	a 77
COC	1	QT/A	1-2 lf		a 50
					c 52
					c 0
					c
LSD (P=.05)				0.0	6.8
Bartlett's X2				0.0	0.0
P(Bartlett's X2)				.	1.00
					.
					0.991
					0.842

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		ECHCG	LEFPA	LEFPA	LEFPA	LEFPA			
Part Rated		PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Data Type		CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit		%	%	%	%	%			
Rating Date		8/10/05	6/30/05	7/8/05	7/12/05	7/27/05			
Trt-Eval Interval		40 DA-B	15 DA-A	7 DA-B	11 DA-B	26 DA-B			
Trt No.	Treatment	Rate	Grow	6	7	8	9	10	
1	Facet	8	OZ/A 1-2 lf	70	b 0	a 50	a 83	a 80	a
	COC	1	QT/A 1-2 lf						
	Clincher	15	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
2	Facet	8	OZ/A 1-2 lf	77	a 0	a 0	b 0	c 0	c
	COC	1	QT/A 1-2 lf						
	Grasp	2	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
3	Facet	8	OZ/A 1-2 lf	80	a 0	a 0	b 0	c 0	c
	COC	1	QT/A 1-2 lf						
	Grasp	2.25	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
4	Facet	8	OZ/A 1-2 lf	82	a 0	a 0	b 0	c 0	c
	COC	1	QT/A 1-2 lf						
	Grasp	2.5	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
5	Facet	8	OZ/A 1-2 lf	82	a 0	a 50	a 47	b 33	b
	COC	1	QT/A 1-2 lf						
	Grasp	2	OZ/A 4-5 lf						
	Clincher	15	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
6	Facet	8	OZ/A 1-2 lf	82	a 0	a 50	a 48	b 35	b
	COC	1	QT/A 1-2 lf						
	Grasp	2.25	OZ/A 4-5 lf						
	Clincher	15	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
7	Facet	8	OZ/A 1-2 lf	80	a 0	a 50	a 48	b 35	b
	COC	1	QT/A 1-2 lf						
	Grasp	2.5	OZ/A 4-5 lf						
	Clincher	15	OZ/A 4-5 lf						
	COC	1	QT/A 4-5 lf						
8	Facet	8	OZ/A 1-2 lf	0	c 0	a 0	b 0	c 0	c
	COC	1	QT/A 1-2 lf						
LSD (P=.05)				5.0	0.0	0.0	4.9	7.2	
Bartlett's X2				1.581	0.0	0.0	1.656	0.372	
P(Bartlett's X2)				0.664	.	.	0.647	0.83	

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

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Weed Code	ECHCG	LEFPA	LEFPA	LEFPA	LEFPA		
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P		
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Rating Date	8/10/05	6/30/05	7/8/05	7/12/05	7/27/05		
Trt-Eval Interval	40 DA-B	15 DA-A	7 DA-B	11 DA-B	26 DA-B		
Trt Treatment	Rate	Grow					
No. Name	Rate Unit	Stg	6	7	8	9	10
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.							

LSU Northeast Research Station

Weed Code	LEFPA	COMDI	COMDI	COMDI	COMDI			
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%			
Rating Date	8/10/05	7/8/05	7/12/05	7/27/05	8/10/05			
Trt-Eval Interval	40 DA-B	7 DA-B	11 DA-B	26 DA-B	40 DA-B			
Trt Treatment	Rate	Grow						
No. Name	Rate Unit	Stg	11	12	13	14	15	
1 Facet	8 OZ/A	1-2 lf	80	a 0	c 0	b 0	b 0	b
COC	1 QT/A	1-2 lf						
Clincher	15 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
2 Facet	8 OZ/A	1-2 lf	0	b 60	ab 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
3 Facet	8 OZ/A	1-2 lf	0	b 60	ab 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2.25 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
4 Facet	8 OZ/A	1-2 lf	0	b 63	a 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2.5 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
5 Facet	8 OZ/A	1-2 lf	0	b 60	ab 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2 OZ/A	4-5 lf						
Clincher	15 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
6 Facet	8 OZ/A	1-2 lf	0	b 57	ab 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2.25 OZ/A	4-5 lf						
Clincher	15 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
7 Facet	8 OZ/A	1-2 lf	0	b 40	b 92	a 90	a 90	a
COC	1 QT/A	1-2 lf						
Grasp	2.5 OZ/A	4-5 lf						
Clincher	15 OZ/A	4-5 lf						
COC	1 QT/A	4-5 lf						
8 Facet	8 OZ/A	1-2 lf	0	b 0	c 0	b 0	b 0	b
COC	1 QT/A	1-2 lf						
LSD (P=.05)			0.0	21.2	2.3	0.0	0.0	
Bartlett's X2			0.0	7.642	0.0	0.0	0.0	
P(Bartlett's X2)			.	0.022*	1.00	.	.	

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

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Weed Code	LEFPA	COMDI	COMDI	COMDI	COMDI		
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P		
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%		
Rating Date	8/10/05	7/8/05	7/12/05	7/27/05	8/10/05		
Trt-Eval Interval	40 DA-B	7 DA-B	11 DA-B	26 DA-B	40 DA-B		
Trt Treatment	Rate	Grow					
No. Name	Rate Unit	Stg	11	12	13	14	15
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.							