

## LSU Northeast Research Station

Effect of tankmixing Clincher with Grasp on Amazon sprangletop control: Post Fld

Trial ID: SJ05R033

Study Dir.:

Location: Bay3

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.	SEBEX Coffeebean	Sesbania exaltata
2.	ECHCG Barnyardgrass, common	Echinochloa crus-galli
3.	LEFPA Sprangletop, tighthead	Leptochloa panicoides

Crop 1: ORYSA RICE

Variety: Cocodrie

Planting Date: 5/5/05

Planting Method: DRILLED

Rate: 90 LB/A

Depth: 0.25 IN

Row Spacing: 8 IN

Spacing Within Row: 5 "

Seed Bed: MEDIUM

Soil Moisture: DRY

Emergence Date: 5/15/05

**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.	5/7/05	1:00	PM	3	in	Flush	0 n/a
2.	5/10/05	6:30	PM	0.25	in	Rainfall	0 n/a
3.	5/13/05	1:00	PM	3	in	Flush	0 n/a
4.	5/15/05	5:30	PM	0.46	in	Rainfall	0 n/a
5.	5/25/05	8:00	PM	0.78	in	Rainfall	0 n/a
6.	5/29/05	1:00	AM	0.63	in	Rainfall	0 n/a
7.	5/30/05	11:00	A	1.51	in	Rainfall	0 n/a
8.	5/31/05	8:00	PM	0.26	in	Rainfall	0 n/a
9.	6/2/05	4:00	PM	0.04	in	Rainfall	0 n/a
10.	6/6/05	7:00	PM	0.39	in	Rainfall	0 n/a
11.	6/9/05	1:00	PM	3	in	300 lb Urea fb Permanent flood	0 n/a
12.	6/18/05	11:00	A	0.42	in	Rainfall	0 n/a
13.	7/3/05	6:00	PM	0.06	in	Rainfall	0 n/a
14.	7/6/05	1:30	PM	1.6	in	Rainfall	0 n/a
15.	7/8/05	1:45	PM	0.93	in	Rainfall	0 n/a
16.	7/10/05	1:00	PM	0.04	in	Rainfall	0 n/a
17.	7/14/05	2:00	PM	0.44	in	Rainfall	0 n/a
18.	7/16/05	10:00	P	0.04	in	Rainfall	0 n/a
19.	7/17/05	1:00	PM	0.25	in	Rainfall	0 n/a
20.	7/18/05	7:00	PM	0.05	in	Rainfall	0 n/a
21.	7/22/05	2:30	PM	0.15	in	Rainfall	0 n/a
22.	8/4/05	3:30	PM	0.27	in	Rainfall	0 n/a
23.	8/5/05	8:00	PM	0.45	in	Rainfall	0 n/a
24.	8/6/05	6:00	PM	0.25	in	Rainfall	0 n/a
25.	8/16/05	6:00	PM	1.31	in	Rainfall	0 n/a

26. 8/22/05 9:00 PM 0.05 in Rainfall

0

n/a

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Overall Moisture Conditions: Dry

Closest Weather Station: Northeast Research Station

Distance: 0.25 Unit: mi

## APPLICATION DESCRIPTION

A

Application Date: 6/17/05  
 Time of Day: 10:30  
 Application Method: SPRAY  
 Application Timing: POTF  
 Applic. Placement: BROFOL  
 Air Temp., Unit: 80 F  
 % Relative Humidity: 70  
 Wind Velocity, Unit: 3 S  
 Dew Presence (Y/N): N  
 Soil Temp., Unit: 78 F  
 Soil Moisture: FLOODED  
 % Cloud Cover: 50

## CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ORYSA 2-3 T  
 Stage Scale: 16 in

## WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: SEBEX n/a  
 Stage Scale: 16-18"  
 Weed 2 Code, Stage: ECHCG 3-4 T  
 Stage Scale: 14-16 "  
 Weed 3 Code, Stage: LEFPA 3-4 T  
 Stage Scale: 14-16"

## APPLICATION EQUIPMENT

A

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

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Weed Code	ECHCG	ECHCG	ECHCG	ECHCG
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Rating Date	6/24/05	6/30/05	7/12/05	8/10/05
Trt-Eval Interval	7 DA-A	13 DA-A	25 DA-A	54 DA-A
Trt Treatment	Rate	Grow		
No. Name	Rate Unit	Stg	1	2
			3	4
1 Clincher	15 OZ/A	POTF 63	b 82	a 20
	1 QT/A	POTF		b 0
2 Grasp	2 OZ/A	POTF 27	c 47	c 20
	1 QT/A	POTF		b 0
3 Grasp	2.25 OZ/A	POTF 73	a 80	a 20
	1 QT/A	POTF		b 0
4 Grasp	2.5 OZ/A	POTF 77	a 83	a 20
	1 QT/A	POTF		b 0
5 Grasp	2 OZ/A	POTF 63	b 57	b 20
	15 OZ/A	POTF		b 0
	1 QT/A	POTF		a
6 Grasp	2.25 OZ/A	POTF 77	a 80	a 50
	15 OZ/A	POTF		a 0
	1 QT/A	POTF		a
7 Grasp	2.5 OZ/A	POTF 77	a 80	a 50
	15 OZ/A	POTF		a 0
	1 QT/A	POTF		a
8 nontreated			0	d 0
			d 0	d 0
			c 0	a
LSD (P=.05)			9.5	6.0
Bartlett's X2			0.0	1.031
P(Bartlett's X2)			0.001*	0.794

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.