

LSU Northeast Research Station

Evaluation of Stam SC for weed control in drill-seeded rice.

Trial ID: SJ05R005

Study Dir.:

Location: Bay 5

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.	SEBEX Coffeebean	Sesbania exaltata

Crop 1: ORYSA RICE

Variety: Cocodrie

Planting Date: 5/5/05

Planting Method: DRILLED

Rate: 90 LB/A

Depth: 0.25 "

Row Spacing: 8 "

Spacing Within Row: 5 "

Seed Bed: MEDIUM

Soil Moisture: DRY

Emergence Date: 5/13/05

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: 25.2 % OM: 2.07

Texture: CLAY

% Silt: 32.8 pH: 7.87

Soil Name: Sharkey clay

% 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

LSU Northeast Research Station

Overall Moisture Conditions: Dry

Closest Weather Station: Northeast Research Station

Distance: 0.25 Unit: mi

APPLICATION DESCRIPTION

A

Application Date: 5/27/05
 Time of Day: 11:00
 Application Method: SPRAY
 Application Timing: 3-4 lfw
 Applic. Placement: BROFOL
 Air Temp., Unit: 85 F
 % Relative Humidity: 33
 Wind Velocity, Unit: 2.5 E
 Soil Temp., Unit: 94 F
 Soil Moisture: Moist
 % Cloud Cover: 0

CROP STAGE AT EACH APPLICATION

A

Crop 1 Code, Stage: ORYSA 4 lf
 Stage Scale: 4 in

WEED STAGE AT EACH APPLICATION

A

Weed 1 Code, Stage: ECHCG 4-5 lf
 Stage Scale: 3 in
 Weed 2 Code, Stage: SEBEX 3-4 lf
 Stage Scale: 3 in

APPLICATION EQUIPMENT

A

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

LSU Northeast Research Station

Evaluation of Stam SC for weed control in drill-seeded rice.

Trial ID: SJ05R005
Location: Bay 5Study 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	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%	%
Rating Date	6/6/05	6/13/05	6/24/05	7/12/05	8/10/05
Trt-Eval Interval	10 DA-A	17 DA-A	28 DA-A	46 DA-A	75 DA-A

Trt No.	Treatment Name	Rate	Rate Unit	Grow Stg	1	2	3	4	5	
1	Command Stam 4SC	1.3	PT/A	3-4 lfw	95	a 95	a 92	a 83	a 80	a
	COC	2.5	% V/V	3-4 lfw						
2	Stam 4SC Facet	4	QT/A	3-4 lfw	95	a 83	b 53	c 0	b 0	b
	COC	2.5	% V/V	3-4 lfw						
3	Stam 4SC Granstand	4	QT/A	3-4 lfw	95	a 80	b 0	d 0	b 0	b
	COC	0.66	PT/A	3-4 lfw						
	COC	2.5	% V/V	3-4 lfw						
4	Stam 4SC Grasp	4	QT/A	3-4 lfw	95	a 93	a 83	b 83	a 80	a
	COC	2	OZ/A	3-4 lfw						
	COC	2.5	% V/V	3-4 lfw						
5	Stam 4SC Pendimax	4	QT/A	3-4 lfw	95	a 80	b 0	d 0	b 0	b
	COC	2.4	PT/A	3-4 lfw						
	COC	2.5	% V/V	3-4 lfw						
6	Untreated				0	b 0	c 0	d 0	b 0	b
LSD (P=.05)					0.0	5.2	6.6	5.4	0.0	
Bartlett's X2					0.0	0.857	0.974	0.0	0.0	
P(Bartlett's X2)					.	0.355	0.614	1.00	.	

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.