

# LSU Northeast Research Station

## Evaluation of V-10142 for preemergence activity on Amazon sprangletop.

Trial ID: MR06R013  
Location:

Protocol ID: MR06R013  
Study Director:  
Investigator: Bill Williams

### General Trial Information

Investigator: Bill Williams

### Crop Description

Crop 1: ORYSA Oryza sativa Common rice  
Variety: CL 161  
BBCH Scale: BRIC Planting Date: 6/1/06  
Planting Method: Drilled Rate, Unit: 90 LB/A  
Depth, Unit: 0.25 IN  
Row Spacing, Unit: 8 IN Spacing Within Row, Unit: 5 IN  
Seed Bed: MEDIUM  
Soil Moisture: DRY

### Pest Description

Pest 1 Type: W Code: LEFPA Leptochloa panicoides  
Common Name: Amazon sprangletop

### 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: Randomized Complete Block

### Soil Description

Description Name: Macon Ridge Research Station  
% Sand: 14 % OM: 1.3 Texture: Silt Loam  
% Silt: 70 pH: 5.8 Soil Name: Gigger Silt Loam  
% Clay: 16 CEC: 5.8 Fert. Level: EXCELLENT

### Moisture Conditions

Overall Moisture Conditions: DRY  
Closest Weather Station: Macon Ridge Research Station Distance: 0.25 Unit: IN

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	Date	Amount	Unit	Type
1.	6/8/06			Flush
2.	6/13/06			Flush
3.	6/17/06	0.05	IN	RAIN
4.	6/18/06	0.01	IN	RAIN
5.	6/19/06	0.03	IN	RAIN
6.	6/21/06	0.01	IN	RAIN
7.	6/23/06	0.22	IN	RAIN
8.	6/24/06	0.01	IN	RAIN
9.	7/2/06	0.01	IN	RAIN
10.	7/3/06			Fertilize
11.	7/3/06	0.34	IN	RAIN
12.	7/4/06	0.38	IN	RAIN
13.	7/5/06			Flood
14.	7/5/06	0.33	IN	RAIN
15.	7/6/06	0.06	IN	RAIN
16.	7/7/06	0.01	IN	RAIN
17.	7/16/06	0.07	IN	RAIN
18.	7/19/06	1.25	IN	RAIN
19.	7/20/06	0.01	IN	RAIN
20.	7/22/06	1.37	IN	RAIN
21.	7/23/06	0.01	IN	RAIN
22.	7/26/06	0.14	IN	RAIN
23.	7/27/06	0.24	IN	RAIN
24.	7/28/06	0.01	IN	RAIN

### Application Description

A	
Application Date:	6/6/06
Time of Day:	11:00
Application Method:	SPRAY
Application Timing:	DPRE
Application Placement:	BROSOI
Air Temperature, Unit:	88 F
% Relative Humidity:	61
Wind Velocity, Unit:	2 MPH
Wind Direction:	E
Soil Temperature, Unit:	79 F
Soil Moisture:	DRY
% Cloud Cover:	20

### Crop Stage At Each Application

A	
Crop 1 Code, BBCH Scale:	ORYSA BRIC
Stage Scale Used:	BBCH
Stage Majority, Percent:	N/A

### Pest Stage At Each Application

A	
Pest 1 Code, Disc., Scale:	LEFPA W
Stage Majority, Percent:	NA

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## Application Equipment

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

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Trt No.	Treatment Name	Rate	Unit	LEFPA PLATOT P	LEFPA PLATOT P
				7/3/06	7/25/06
				CONTROL	CONTROL
				%	%
				27 27	49 49
				27 DA-A	49 DA-A
				32 DP-1	54 DP-1
1	V-10142	0.1	lb ai/a	50.0	c
	Facet	0.5	lb ai/a		
2	V-10142	0.2	lb ai/a	90.0	a
	Facet	0.5	lb ai/a		
3	V-10142	0.3	lb ai/a	90.0	a
	Facet	0.5	lb ai/a		
4	V-10142	0.4	lb ai/a	90.0	a
	Facet	0.5	lb ai/a		
5	Command	0.3	lb ai/a	83.3	b
6	Bolero	3	lb ai/a	90.0	a
7	Facet	0.5	lb ai/a	0.0	d
8	nontreated			0.0	d
LSD (P=.05)				3.58	10.89
Standard Deviation				2.04	6.22
CV				3.31	13.57
Bartlett's X2				0.0	1.591
P(Bartlett's X2)				.	0.81
Replicate F				1.000	8.508
Replicate Prob(F)				0.3927	0.0038
Treatment F				1174.857	112.923
Treatment Prob(F)				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.