

# LSU Northeast Research Station

## Combinations of Grasp and Londax for controlling Texasweed.

Trial ID: SJ07R019      Protocol ID: SJ07R019  
 Location:                      Study Director:  
                                     Investigator: Bill Williams

### General Trial Information

Investigator: Bill Williams

### Crop Description

Crop 1: ORYSA Oryza sativa                      Common rice  
 Variety: Cocodrie  
 BBCH Scale: BRIC                      Planting Date: 9/May/07  
 Planting Method: DRILLED                      Rate, Unit: 100      LB/A  
 Depth, Unit: 1      IN  
 Row Spacing, Unit: 8      IN  
 Seed Bed: MEDIUM  
 Soil Moisture: DRY  
 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: SEBEX      Sesbania exaltata  
                                     Common Name: Coffeebean  
 Pest 3 Type: W      Code: CNPPA      Caperonia palustris  
                                     Common Name: Texasweed

### 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: Factorial

### Soil Description

Description Name: Sharkey Clay  
 % 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 and Weather Conditions

Overall Moisture Conditions: Dry  
 Closest Weather Station: Northeast Research Station      Distance: 0.5      Unit: MI

Date	Amount	Unit	Type
1. 2/May/07	0.04	IN	
2. 3/May/07	1.24	IN	
3. 14/May/07			FLUSH
4. 15/May/07	0.02	IN	
5. 16/May/07	0.01	IN	

6. 17/May/07 0.01 IN  
 7. 21/May/07 FLUSH  
 8. 3/Jun/07 0.02 IN  
 9. 12/Jun/07 FERTILIZE - 300# prilled urea  
 10. 12/Jun/07 FLOOD  
 11. 16/Jun/07 0.01 IN  
 12. 18/Jun/07 0.02 IN  
 13. 19/Jun/07 0.4 IN  
 14. 2/Jul/07 0.3 IN  
 15. 3/Jul/07 0.06 IN  
 16. 4/Jul/07 1.14 IN  
 17. 5/Jul/07 0.31 IN  
 18. 6/Jul/07 0.27 IN  
 19. 7/Jul/07 1.39 IN  
 20. 9/Jul/07 0.36 IN  
 21. 10/Jul/07 0.01 IN  
 22. 11/Jul/07 0.27 IN  
 23. 13/Jul/07 0.3 IN  
 24. 14/Jul/07 1.96 IN  
 25. 15/Jul/07 2.8 IN  
 26. 17/Jul/07 1.56 IN  
 27. 20/Jul/07 0.93 IN  
 28. 21/Jul/07 0.1 IN  
 29. 22/Jul/07 0.01 IN  
 30. 30/Jul/07 2.35 IN

**Application Description**

**A**

**Application Date:** 11/Jun/07  
**Application Method:** SPRAY  
**Application Timing:** LPOST  
**Application Placement:** BROFOL  
**Air Temperature, Unit:** 96 F  
**% Relative Humidity:** 65  
**Wind Velocity, Unit:** 2 MPH  
**Wind Direction:** N  
**Soil Temperature, Unit:** 92 F

**Crop Stage At Each Application**

**A**

**Crop 1 Code, BBCH Scale:** ORYSA BRIC  
**Stage Scale Used:** 5 LF  
**Stage Majority, Percent:** 6"  
**Stage Maximum, Percent:** 7"

**Pest Stage At Each Application**

**A**

**Pest 1 Code, Disc., Scale:** ECHCG W  
**Stage Majority, Percent:** 4-5 LF  
**Stage Minimum, Percent:** 1"  
**Stage Maximum, Percent:** 2"  
**Pest 2 Code, Disc., Scale:** SEBEX W  
**Stage Majority, Percent:** 8-10 L  
**Stage Minimum, Percent:** 7"  
**Stage Maximum, Percent:** 8"  
**Pest 3 Code, Disc., Scale:** CNPPA W  
**Stage Majority, Percent:** 5-6 LF  
**Stage Minimum, Percent:** 4"  
**Stage Maximum, Percent:** 5"

**Application Equipment**

**A**

**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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Pest Type								
Pest Code	CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	SEBEX		
Crop Code								
Part Rated	PLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT	PPLATOT P		
Rating Date	19/Jun/07	25/Jun/07	9/Jul/07	6/Aug/07	19/Jun/07	25/Jun/07		
Rating Data Type	Control	Control	Control	Control	Control	Control		
Rating Unit	%	%	%	%	%	%		
Trt-Eval Interval	8 DA-A	14 DA-A	28 DA-A	56 DA-A	8 DA-A	14 DA-A		
Trt Treatment	Rate	Growth						
No.Name	RateUnit	Stage	1	2	3	4	5	6

Means followed by same letter do not significantly differ (P=.10, 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	SEBEX	SEBEX
Crop Code		
Part Rated	PLATOT P	PLATOT P
Rating Date	9/Jul/07	6/Aug/07
Rating Data Type	Control	Control
Rating Unit	%	%
Trt-Eval Interval	28 DA-A	56 DA-A

Trt No.	Treatment Name	Rate	Unit	Growth Stage	7	8
1	Grasp	0	OZ/A	LPOST0	c0	c
	Agridex	2	% V/VL	LPOST		
2	Grasp	0	OZ/A	LPOST0	c0	c
	Londax	0.25	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
3	Grasp	0	OZ/A	LPOST0	c0	c
	Londax	0.5	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
4	Grasp	0	OZ/A	LPOST67	b67	b
	Londax	0.75	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
5	Grasp	2.0	OZ/A	LPOST93	a93	a
	Agridex	2	% V/VL	LPOST		
6	Grasp	2.0	OZ/A	LPOST90	a93	a
	Londax	0.25	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
7	Grasp	2.0	OZ/A	LPOST93	a93	a
	Londax	0.5	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
8	Grasp	2.0	OZ/A	LPOST93	a93	a
	Londax	0.75	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
9	Grasp	2.3	OZ/A	LPOST93	a93	a
	Agridex	2	% V/VL	LPOST		
10	Grasp	2.3	OZ/A	LPOST93	a93	a
	Londax	0.25	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
11	Grasp	2.3	OZ/A	LPOST93	a93	a
	Londax	0.5	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		
12	Grasp	2.3	OZ/A	LPOST90	a93	a
	Londax	0.75	OZ/A	LPOST		
	Agridex	2	% V/VL	LPOST		

LSD (P=.10)	3.4	2.3
Standard Deviation	2.4	1.7
CV	3.59	2.46
Grand Mean	67.22	67.78

Bartlett's X2	2.028	2.141
P(Bartlett's X2)	0.917	0.976
Replicate F	3.348	25.000
Replicate Prob(F)	0.0538	0.0001
Treatment F	877.391	1866.182
Treatment Prob(F)	0.0001	0.0001

# LSU Northeast Research Station

Pest Type		
Pest Code	SEBEX	SEBEX
Crop Code		
Part Rated	PLATOT P	PLATOT P
Rating Date	9/Jul/07	6/Aug/07
Rating Data Type	Control	Control
Rating Unit	%	%
Trt-Eval Interval	28 DA-A	56 DA-A
<hr/>		
Trt Treatment	Rate	Growth
No. Name	Rate Unit	Stage
		7
		8

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