

LSU Northeast Research Station

Texasweed control in drill-seeded rice with Grasp.

Trial ID: SJ07R035 Protocol ID: SJ07R035
 Location: Bay 3 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: CNPPA Caperonia palustris
 Common Name: Texasweed
 Pest 2 Type: W Code: ECHCG Echinochloa crus-galli
 Common Name: Common barnyardgrass
 Pest 3 Type: W Code: CYPES Cyperus esculentus
 Common Name: Chufa
 Pest 4 Type: W Code: SEBEX Sesbania exaltata
 Common Name: Coffeebean

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: 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: 9/Jun/07
 Application Method: SPRAY
 Application Timing: LPOST
 Application Placement: BROFOL
 Air Temperature, Unit: 98 F
 % Relative Humidity: 65
 Wind Velocity, Unit: 3 MPH
 Wind Direction: W
 Soil Temperature, Unit: 90 F

Crop Stage At Each Application

A

Crop 1 Code, BBCH Scale: ORYSA BRIC
 Stage Scale Used: 5 LF
 Stage Majority, Percent: 1-2 T
 Stage Minimum, Percent: 6"
 Stage Maximum, Percent: 8"

Pest Stage At Each Application

A

Pest 1 Code, Disc., Scale: CNPPA W
 Stage Majority, Percent: 4-5 LF
 Stage Minimum, Percent: 4"
 Stage Maximum, Percent: 5"
 Pest 2 Code, Disc., Scale: ECHCG W
 Stage Majority, Percent: 4-5 LF
 Stage Minimum, Percent: 3"
 Stage Maximum, Percent: 4"
 Pest 3 Code, Disc., Scale: CYPES W
 Stage Majority, Percent: 6-12 L
 Stage Minimum, Percent: 8"
 Stage Maximum, Percent: 12"

Pest 4 Code, Disc., Scale: SEBEX W

Stage Majority, Percent: 5-6 LF

Stage Minimum, Percent: 5"

Stage Maximum, Percent: 6"

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

LSU Northeast Research Station

Texasweed control in drill-seeded rice with Grasp.

Trial ID: SJ07R035

Protocol ID: SJ07R035

Location: Bay 3

Study Director:

Investigator: Bill Williams

Pest Type									
Pest Code			CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	SEBEX	
Crop Code									
Part Rated			PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date			15/Jun/07	22/Jun/07	6/Jul/07	3/Aug/07	15/Jun/07	22/Jun/07	
Rating Data Type			CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%	%	%	
Trt-Eval Interval			6 DA-A	13 DA-A	27 DA-A	55 DA-A	6 DA-A	13 DA-A	
Trt Treatment	Rate	Growth							
No. Name	Unit	Stage	1	2	3	4	5	6	
1 Grasp	2.0	OZ/ALPOST	57	b 63	b 87	a 63	bc 90	a 88	ab
Agri-dex	1	QT/ALPOST							
2 Grasp	2.3	OZ/ALPOST	63	b 83	ab 83	ab 70	b 93	a 92	ab
Agri-dex	1	QT/ALPOST							
3 Grasp	2.0	OZ/ALPOST	83	a 92	a 87	a 90	a 87	a 92	ab
Permit	0.5	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
4 Grasp	2.3	OZ/ALPOST	80	a 87	a 92	a 90	a 90	a 92	ab
Permit	0.5	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
5 Grasp	2.0	OZ/ALPOST	92	a 82	ab 67	cd 60	bc 93	a 92	ab
Stam M4	4	QT/ALPOST							
Agri-dex	1	QT/ALPOST							
6 Grasp	2.3	OZ/ALPOST	83	a 83	ab 60	d 63	bc 90	a 92	ab
Stam M4	4	QT/ALPOST							
Agri-dex	1	QT/ALPOST							
7 Grasp	2.0	OZ/ALPOST	83	a 82	ab 87	a 60	bc 93	a 92	ab
Grandstand	8	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
8 Grasp	2	OZ/ALPOST	83	a 88	a 90	a 92	a 93	a 92	ab
Grandstand	12	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
9 Grasp	2.3	OZ/ALPOST	85	a 92	a 73	bc 63	bc 80	b 83	b
Grandstand	8	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
10 Grasp	2.3	OZ/ALPOST	80	a 90	a 85	a 92	a 90	a 85	ab
Grandstand	12	OZ/ALPOST							
Agri-dex	1	QT/ALPOST							
11 Grasp	2.0	OZ/ALPOST	92	a 92	a 92	a 92	a 90	a 92	ab
Londax	0.75	OZ/ALPOST							

LSU Northeast Research Station

Pest Type								
Pest Code	CNPPA	CNPPA	CNPPA	CNPPA	SEBEX	SEBEX		
Crop Code								
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P		
Rating Date	15/Jun/07	22/Jun/07	6/Jul/07	3/Aug/07	15/Jun/07	22/Jun/07		
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit	%	%	%	%	%	%		
Trt-Eval Interval	6 DA-A	13 DA-A	27 DA-A	55 DA-A	6 DA-A	13 DA-A		
Trt Treatment	Rate	Growth						
No. Name	Rate Unit	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	CYPES	CYPES	CYPES	CYPES			
Crop Code											
Part Rated			PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Date			6/Jul/07	3/Aug/07	15/Jun/07	22/Jun/07	6/Jul/07	3/Aug/07			
Rating Data Type			CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit			%	%	%	%	%	%			
Trt-Eval Interval			27 DA-A	55 DA-A	6 DA-A	13 DA-A	27 DA-A	55 DA-A			
Trt Treatment	Rate	Growth									
No.	Name	Unit	Stage	7	8	9	10	11	12		
1	Grasp	2.0	OZ/ALPOST	93	a 92	a 0	f 43	cd 30	c 60	b	
	Agridex	1	QT/ALPOST								
2	Grasp	2.3	OZ/ALPOST	83	b 92	a 0	f 43	cd 53	bc 60	b	
	Agridex	1	QT/ALPOST								
3	Grasp	2.0	OZ/ALPOST	93	a 90	a 77	cd 88	a 90	a 92	a	
	Permit	0.5	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
4	Grasp	2.3	OZ/ALPOST	93	a 95	a 77	cd 88	a 93	a 93	a	
	Permit	0.5	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
5	Grasp	2.0	OZ/ALPOST	93	a 92	a 88	a 58	bc 52	bc 52	b	
	Stam M4	4	QT/ALPOST								
	Agridex	1	QT/ALPOST								
6	Grasp	2.3	OZ/ALPOST	93	a 95	a 87	ab 50	cd 30	c 30	c	
	Stam M4	4	QT/ALPOST								
	Agridex	1	QT/ALPOST								
7	Grasp	2.0	OZ/ALPOST	90	a 90	a 0	f 43	cd 30	c 60	b	
	Grandstand	8	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
8	Grasp	2	OZ/ALPOST	90	a 93	a 0	f 43	cd 30	c 60	b	
	Grandstand	12	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
9	Grasp	2.3	OZ/ALPOST	90	a 88	a 0	f 47	cd 47	bc 60	b	
	Grandstand	8	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
10	Grasp	2.3	OZ/ALPOST	93	a 93	a 0	f 47	cd 47	bc 60	b	
	Grandstand	12	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
11	Grasp	2.0	OZ/ALPOST	93	a 93	a 73	d 80	a 73	ab 73	b	
	Londax	0.75	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
12	Grasp	2.3	OZ/ALPOST	93	a 93	a 80	bcd 73	ab 67	b 70	b	
	Londax	0.75	OZ/ALPOST								
	Agridex	1	QT/ALPOST								
13	Regiment	0.5	OZ/ALPOST	93	a 95	a 63	e 73	ab 67	b 57	b	
	Dyne-A-Pak	1	PT/A LPOST								
14	Grandstand	8	OZ/ALPOST	93	a 95	a 83	abc 30	d 0	d 0	d	

LSU Northeast Research Station

Pest Type									
Pest Code	SEBEX	SEBEX	CYPES	CYPES	CYPES	CYPES			
Crop Code									
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P	PLATOT P			
Rating Date	6/Jul/07	3/Aug/07	15/Jun/07	22/Jun/07	6/Jul/07	3/Aug/07			
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL			
Rating Unit	%	%	%	%	%	%			
Trt-Eval Interval	27 DA-A	55 DA-A	6 DA-A	13 DA-A	27 DA-A	55 DA-A			
Trt Treatment	Rate	Growth							
No.	Name	RateUnit	Stage	7	8	9	10	11	12

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.