

LSU Northeast Research Station

Alligatorweed control with IR5878.

Trial ID: WP06R001 Protocol ID: WP06R001
 Location: Woodsland Plantation Study Director:
 Investigator: Bill Williams

General Trial Information

Investigator: Bill Williams

Conclusions:

Several programs utilizing IR5878 for controlling alligatorweed were evaluated on fallow ground. IR5878 resulted in similar levels of alligatorweed control as Grasp and Regiment. Applying Grasp or Regiment with IR5878 did improve alligatorweed control compared to either herbicide applied alone or mixed with Permit. Still, control was unacceptable and the best alligatorweed control was observed with Grandstand alone or Grandstand applied with IR5878 or Grasp.

Site and Design

Plot Width, Unit: 13.37 FT
 Plot Length, Unit: 30 FT
 Replications: 3 Study Design: Randomized Complete Block

Application Description

	A
Application Date:	7/13/06
Time of Day:	2:00
Application Method:	SPRAY
Application Timing:	POST
Application Placement:	BROFOL
Air Temperature, Unit:	97 F
% Relative Humidity:	51
Wind Velocity, Unit:	4 MPH
Soil Temperature, Unit:	96 F
Soil Moisture:	DRY
% Cloud Cover:	30

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Pest Type	W Weed	ALRPH	ALRPH
Pest Code	ALRPH	ALRPH	ALRPH
Pest Name	Alligatorwe>	Alligatorwe>	Alligatorwe>
Part Rated	PLATOT P		
Rating Date	7/25/06	8/8/06	
Rating Data Type	CONTROL	CONTROL	
Rating Unit	%	%	
Days After First/Last Applic.	12 12	26 26	
Trt-Eval Interval	12 DA-A	26 DA-A	
Trt No.	Treatment Name	Rate	Unit
1	Grasp Dyne-A-Pak	2.3 oz/a 1.5 % v/v	56.7 c
2	Regiment Dyne-A-Pak	0.5 oz/a 1.5 % v/v	63.3 b
3	Grasp Permit Dyne-A-Pak	2.3 oz/a 0.66 oz/a 1.5 % v/v	30.0 d
4	Regiment Permit Dyne-A-Pak	0.5 oz/a 0.66 oz/a 1.5 % v/v	68.3 b
5	Grasp IR5878 Dyne-A-Pak	2.3 oz/a 2 oz/a 1.5 % v/v	30.0 d
6	Regiment IR5878 Dyne-A-Pak	0.5 oz/a 2 oz/a 1.5 % v/v	53.3 c
7	Grasp IR5878 Permit Dyne-A-Pak	2.3 oz/a 2 oz/a 0.33 oz/a 1.5 % v/v	30.0 d
8	Regiment IR5878 Permit Dyne-A-Pak	0.5 oz/a 2 oz/a 0.33 oz/a 1.5 % v/v	53.3 c
9	IR5878 Dyne-A-Pak	2 oz/a 1.5 % v/v	30.0 d
10	IR5878 Permit Dyne-A-Pak	2 oz/a 0.33 oz/a 1.5 % v/v	30.0 d
11	IR5878 Grandstand Dyne-A-Pak	2 oz/a 11 oz/a 1.5 % v/v	78.3 a
12	Grasp Grandstand Dyne-A-Pak	2.3 oz/a 8 oz/a 1.5 % v/v	76.7 a
13	Grandstand Dyne-A-Pak	1 pt/a 1.5 % v/v	81.7 a
LSD (P=.05)		7.47	11.94
Standard Deviation		4.43	7.09
CV		8.54	11.28
Bartlett's X2		2.589	6.526
P(Bartlett's X2)		0.92	0.769
Replicate F		0.293	3.268
Replicate Prob(F)		0.7483	0.0556
Treatment F		62.516	18.017
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.