

LSU Northeast Research Station

Effect of application date on alligatorweed control with selected herbicides.

Year 2 - OS05R202

Trial ID: OS05R202

Study Dir.:

Location:

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.	ALRSE	Alligatorweed, sessile	Alternanthera sessilis

SITE AND DESIGN

Plot Width, Unit: 25 FT Plot Length, Unit: 400 FT Reps: 3
Study Design: FACTORIAL

APPLICATION DESCRIPTION

	A	B	C
Application Date:	9/22/05	10/4/05	10/21/05
Time of Day:	11:00	11:30	10:00
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	M. SEPT	E.OCT	M.OCT
Applic. Placement:	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	94 F	87 F	76 F
% Relative Humidity:	41	67	47
Wind Velocity, Unit:	11 S	0 .	5 N
Soil Temp., Unit:	94 F	91 F	84 F
Soil Moisture:	DAMP	Dry	Dry
% Cloud Cover:	20	10	0

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	ALRSE	ALRSE	ALRSE
Stage Scale:		6-30" run	6-30" run

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	Mudmaster	Mudmaster	Mudmaster

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Weed Code	Alligato PLATOT P CONTROL	Alligato PLATOT P CONTROL	Alligato PLATOT P CONTROL	Alligato PLATOT P CONTROL	Alligato PLATOT P CONTROL			
Part Rated	%	%	%	%	%			
Rating Data Type	10/4/05	10/21/05	3/31/06	6/1/06	10/6/06			
Rating Unit	12 DA-A	17 DA-B	161 DA-C		350 DA-C			
Rating Date								
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Unit	1	2	3	4	5
1	Mid-September Roundup Original Max	1	lb ai/a	95.0 a	91.3 a	89.7 ab	90.0 a	86.7 ab
2	Mid-September Roundup Original Max 2,4-D Ester	1	lb ai/a 1 qt/a	80.0 c	88.3 a	75.0 b	60.0 e	73.3 bc
3	Mid-September Roundup Original Max Grandstand	1	lb ai/a 1.33 qt/a	90.0 b	93.3 a	83.3 ab	90.0 a	76.7 bc
4	Early-October Roundup Original Max	1	lb ai/a		93.3 a	93.3 a	60.0 e	73.3 bc
5	Early-October Roundup Original Max 2,4-D Ester	1	lb ai/a 1 qt/a		93.3 a	88.3 ab	83.3 b	63.3 cd
6	Early-October Roundup Original Max Grandstand	1	lb ai/a 1.33 qt/a		93.3 a	90.0 ab	78.3 c	66.7 cd
7	Mid-October Roundup Original Max	1	lb ai/a			88.3 ab	80.0 c	90.0 a
8	Mid-October Roundup Original Max 2,4-D Ester	1	lb ai/a 1 qt/a			85.0 ab	90.0 a	56.7 d
9	Mid-October Roundup Original Max Grandstand	1	lb ai/a 1.33 qt/a			85.0 ab	70.0 d	66.7 cd
LSD (P=.05)	0.00	6.08		9.73		2.43		9.92
Standard Deviation	0.00	3.34		5.62		1.40		5.73
CV	0.0	3.63		6.5		1.8		7.9
Bartlett's X2	0.0	3.358		2.857		0.0		0.0
P(Bartlett's X2)	.	0.645		0.943		1.00		1.00
Replicate F	0.000	3.239		2.239		0.471		0.113
Replicate Prob(F)	1.0000	0.0823		0.1389		0.6330		0.8941
Treatment F	0.000	1.119		2.639		224.235		10.592
Treatment Prob(F)	1.0000	0.4094		0.0469		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.