

(04GRHW2)

Ohio State University  
Horticulture and Crop Science

GLYPHOSATE RESISTANT HORSEWEED BURNDOWN TRIAL II

Trial ID: 04GRHW2      Study Dir.: Anthony F. Dobbels  
Location: MONTGOMERY COUNTY      Investigator: Dr. Mark M. Loux

**GENERAL TRIAL INFORMATION**

Study Director: Anthony F. Dobbels  
Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N      Conducted Under GEP (Y/N): N

**CROP AND WEED DESCRIPTION**

Weed Code	Common Name	Scientific Name
1.	ERICA Horseweed	Conyza canadensis
2.	AMBEL Ragweed, common	Ambrosia artemisiifolia

**SITE AND DESIGN**

Plot Width, Unit: 10 FT      Plot Length, Unit: 30 FT      Reps: 3  
Tillage Type: NO-TILL      Study Design: RANDOMIZED COMPLETE BLOCK

**APPLICATION DESCRIPTION**

	A	B
Application Date:	5-21-04	7-8-04
Time of Day:	10:00 A.M	
Application Method:	SPRAY	SPRAY
Application Timing:	4-6"	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	77 F	
% Relative Humidity:	68	
Wind Velocity, Unit:	5 W	
Soil Temp., Unit:	74 F	
Soil Moisture:	WET/WET	
% Cloud Cover:	100	

**WEED STAGE AT EACH APPLICATION**

	A	B
Weed 1 Code, Stage:	ERICA 2-4"	ERICA
Stage Scale:	8-10 LVS	
Weed 2 Code, Stage:	AMBEL	AMBEL

**APPLICATION EQUIPMENT**

	A	B
Appl. Equipment:	BACKPACK	
Operating Pressure:	50	
Nozzle Type:	DG	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	18 IN	
Ground Speed, Unit:	3 MPH	
Carrier:	WATER	
Spray Volume, Unit:	20 GPA	
Propellant:	CO2	





Weed Code	AMBEL
Crop Code	
Rating Data Type	CONTROL
Rating Unit	PERCENT
Rating Date	8-5-04
Trt-Eval Interval	30 DAPO
# Subsamples, Dec.	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9
1	TOUCHDOWN TOTAL	23	oz/a	PRE	A	100
1	AMS	4	qt/a	PRE		
1	TOUCHDOWN TOTAL	23	oz/a	POST	B	
1	AMS	4	qt/a	POST		
2	TOUCHDOWN TOTAL	23	oz/a	PRE	A	100
2	2,4-D	2	pt/a	PRE		
2	AMS	4	qt/a	PRE		
2	TOUCHDOWN TOTAL	23	oz/a	POST		
2	AMS	4	qt/a	POST		
3	GRAMOXONE MAX	1	qt/a	PRE	A	100
3	NIS	6.4	oz/a	PRE		
3	TOUCHDOWN TOTAL	23	oz/a	POST	B	
3	AMS	4	qt/a	POST		
4	GRAMOXONE MAX	1	qt/a	PRE	A	100
4	2,4-D	1	pt/a	PRE		
4	NIS	6.4	oz/a	PRE		
4	TOUCHDOWN TOTAL	23	oz/a	POST	B	
4	AMS	4	qt/a	POST		
5	GRAMOXONE MAX	1	qt/a	PRE	A	100
5	2,4-D	2	pt/a	PRE		
5	NIS	6.4	oz/a	PRE		
5	TOUCHDOWN TOTAL	23	oz/a	POST	B	
5	AMS	4	qt/a	POST		
6	GRAMOXONE MAX	1	qt/a	PRE	A	100
6	SENCOR	4	oz/a	PRE		
6	NIS	6.4	oz/a	PRE		
6	TOUCHDOWN TOTAL	23	oz/a	POST	B	
6	AMS	4	qt/a	POST		
7	GRAMOXONE MAX	1	qt/a	PRE	A	100
7	SENCOR	4	oz/a	PRE		
7	2,4-D	1	pt/a	PRE		
7	NIS	6.4	oz/a	PRE		
7	TOUCHDOWN TOTAL	23	oz/a	POST	B	
7	AMS	4	qt/a	POST		
8	GRAMOXONE MAX	1	qt/a	PRE	A	100
8	SENCOR	4	oz/a	PRE		
8	2,4-D	2	pt/a	PRE		
8	NIS	6.4	oz/a	PRE		
8	TOUCHDOWN TOTAL	23	oz/a	POST	B	
8	AMS	4	qt/a	POST		
9	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
9	NIS	6.4	oz/a	PRE		
9	TOUCHDOWN TOTAL	23	oz/a	POST	B	
9	AMS	4	qt/a	POST		
10	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
10	2,4-D	1	pt/a	PRE		
10	NIS	6.4	oz/a	PRE		
10	TOUCHDOWN TOTAL	23	oz/a	POST	B	
10	AMS	4	qt/a	POST		
11	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
11	2,4-D	2	pt/a	PRE		
11	NIS	6.4	oz/a	PRE		
11	TOUCHDOWN TOTAL	23	oz/a	POST	B	
11	AMS	4	qt/a	POST		
12	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
12	SENCOR	4	oz/a	PRE		
12	NIS	6.4	oz/a	PRE		
12	TOUCHDOWN TOTAL	23	oz/a	POST	B	
12	AMS	4	qt/a	POST		
13	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
13	SENCOR	4	oz/a	PRE		
13	2,4-D	1	pt/a	PRE		
13	NIS	6.4	oz/a	PRE		
13	TOUCHDOWN TOTAL	23	oz/a	POST	B	
13	AMS	4	qt/a	POST		
14	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
14	SENCOR	4	oz/a	PRE		
14	2,4-D	2	pt/a	PRE		
14	NIS	6.4	oz/a	PRE		
14	TOUCHDOWN TOTAL	23	oz/a	POST	B	
14	AMS	4	qt/a	POST		

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Weed Code AMBEL  
Crop Code  
Rating Data Type CONTROL  
Rating Unit PERCENT  
Rating Date 8-5-04  
Trt-Eval Interval 30 DAPO  
# Subsamples, Dec. 0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
15	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
15	BOUNDARY	2.1	pt/a	PRE		
15	2,4-D	1	pt/a	PRE		
15	NIS	6.4	oz/a	PRE		
15	TOUCHDOWN TOTAL	23	oz/a	POST	B	
15	AMS	4	qt/a	POST		
16	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
16	BOUNDARY	2.1	pt/a	PRE		
16	2,4-D	2	pt/a	PRE		
16	NIS	6.4	oz/a	PRE		
16	TOUCHDOWN TOTAL	23	oz/a	POST	B	
16	AMS	4	qt/a	POST		
17	GRAMOXONE MAX	1.33	qt/a	PRE	A	100
17	BOUNDARY	2.1	pt/a	PRE		
17	2,4-D	2	pt/a	PRE		
17	NIS	6.4	oz/a	PRE		
17	TOUCHDOWN TOTAL	23	oz/a	POST	B	
17	AMS	4	qt/a	POST		
18	UTC					0
LSD (P=.05)						0.0
Standard Deviation						0.0
CV						0.0
Replicate F						0.000
Replicate Prob(F)						1.0000
Treatment F						0.000
Treatment Prob(F)						1.0000