

SPRING DANDELION BURNDOWN

Trial ID: 04SPRDANCRN Study Dir.: Anthony F. Dobbels
Location: NORTHWEST 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. TAROF Common dandelion Taraxacum officinale

Crop 1: ZEAMX CORN
Planting Date: 5-26-04 Planting Method: JOHN DEERE 7000
Rate: 30000 SEED/A Depth: 1.5 IN
Row Spacing: 30 IN Seed Bed: NO-TILL

SITE AND DESIGN

Plot Width, Unit: 10 FT Plot Length, Unit: 25 FT Reps: 3
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: APPLIED 6 OZ DISTINCT OVERLAY ON 7-2-04

SOIL DESCRIPTION

% OM: 3 Texture: Clay
pH: 6.2 Soil Name: Hoytville
CEC: 19.3

APPLICATION DESCRIPTION

	A	B	C
Application Date:	4-3-04	4-12-04	4-20-04
Time of Day:	8:30 A.M.	8:00 A.M.	8:30 A.M.
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	APR 1	APR 10	APR 20
Applic. Placement:	BROADCAST	BROADCAST	BROADCAST
Air Temp., Unit:	42 F	37 F	45 F
% Relative Humidity:	76	63	75
Wind Velocity, Unit:	5 W	10 NE	9 E
Soil Temp., Unit:	39 F	39 F	48 F
Soil Moisture:	MOIST/WET	DRY/DRY	DRY/DRY
% Cloud Cover:	0	20	100

CROP STAGE AT EACH APPLICATION

	A	B	C
Crop 1 Code, Stage:	ZEAMX	ZEAMX	ZEAMX

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	TAROF 4-6" ROS	TAROF 4-8" ROS	TAROF 6-8"
Stage Scale:	12 LVS	>12 LVS	>12 LVS
Density, Unit:	23.3 M2	23.3 M2	23.3 M2

APPLICATION EQUIPMENT

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

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Weed Code	TAROF	TAROF	TAROF	TAROF	TAROF
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	5-4-04	5-18-04	6-4-04	7-2-04	8-2-04
Trt-Eval Interval	14 DA-C	28 DA-C	45 DA-C	AT POST	30 DAPO
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5
1	E-99	21 oz/a		APR 1	A	47	85	87	72	98
1	ROUNDUP WEATHERMAX	16 oz/a								
1	AMS	4 qt/a								
2	SWB 2,4-D	2 pt/a		APR 1	A	47	85	80	72	90
2	ROUNDUP WEATHERMAX	16 oz/a								
2	AMS	4 qt/a								
3	PHENOXY O88	45.7 oz/a		APR 1	A	43	80	75	68	97
3	ROUNDUP WEATHERMAX	16 oz/a								
3	AMS	4 qt/a								
4	LUMAX	3 qt/a		APR 1	A	67	83	75	85	92
4	SWB 2,4-D	1 pt/a		APR 1						
4	COC	0.8 qt/a		APR 1						
5	E-99	1.33 pt/a		APR 10	B	27	73	68	53	89
5	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
5	AMS	4 qt/a		APR 10						
6	SWB 2,4-D	1 pt/a		APR 10	B	32	68	57	48	78
6	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
6	AMS	4 qt/a		APR 10						
7	PHENOXY O88	1.33 pt/a		APR 10	B	25	68	50	43	82
7	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
7	AMS	4 qt/a		APR 10						
8	AGH 02008	1.33 pt/a		APR 10	B	22	63	47	38	77
8	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
8	AMS	4 qt/a		APR 10						
9	AGH 02001	1 pt/a		APR 10	B	37	50	47	42	77
9	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
9	AMS	4 qt/a		APR 10						
10	AGH 03007	1 pt/a		APR 10	B	27	67	60	45	80
10	ROUNDUP WEATHERMAX	16 oz/a		APR 10						
10	AMS	4 qt/a		APR 10						
11	LUMAX	3 qt/a		APR 10	B	60	78	80	85	99
11	SWB 2,4-D	1 pt/a		APR 10						
11	COC	0.8 qt/a		APR 10						
12	E-99	1.33 pt/a		APR 20	C	37	68	78	73	88
12	ROUNDUP WEATHERMAX	16 oz/a		APR 20						
12	AMS	4 qt/a		APR 20						
13	SWB 2,4-D	1 pt/a		APR 20	C	33	72	82	67	91
13	PHENOXY O88	1.33 pt/a		APR 20	C					
13	ROUNDUP WEATHERMAX	16 oz/a		APR 20						
13	AMS	4 qt/a		APR 20						
14	E-99	0.67 pt/a		APR 20	C	43	73	77	72	93
14	ROUNDUP WEATHERMAX	16 oz/a		APR 20						
14	AMS	4 qt/a		APR 20						
15	LUMAX	3 qt/a		APR 20	C	47	83	88	87	93
15	SWB 2,4-D	1 pt/a		APR 20						
15	COC	0.8 qt/a		APR 20						
16	UTC					0	0	0	0	63
LSD (P=.05)						8.6	10.3	11.3	14.3	10.4
Standard Deviation						5.2	6.2	6.8	8.6	6.3
CV						13.96	8.97	10.3	14.41	7.22
Replicate F						5.000	0.590	4.134	2.070	0.409
Replicate Prob(F)						0.0134	0.5606	0.0260	0.1439	0.6682
Treatment F						28.301	33.382	32.702	21.149	7.299
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001