

DANDELION BURNDOWN IN CORN I NW

Trial ID: 04CRNDAN1      Study Dir.: Anthony F. Dobbels  
Location: NORHTWEST A-1      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, FIELD      Variety: PIONEER 34M94  
Planting Date: 4-27-04      Planting Method: JOHN DEERE 7000  
Rate: 30813 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: 30 FT      Reps: 3  
Tillage Type: NO-TILL      Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: APPLIED OVERLAY OF 2/3 OZ ACCENT PLUS 6 OZ DISTINCT 6-18-04

SOIL DESCRIPTION

% OM: 3      Texture: CLAY  
pH: 6.2      Soil Name: HOYTVILLE  
CEC: 19.3

APPLICATION DESCRIPTION

A  
Application Date: 4-20-04  
Time of Day: 8:00 A.M.  
Application Method: SPRAY  
Application Timing: 7 EPP  
Applic. Placement: BROADCAST  
Air Temp., Unit: 45 F  
% Relative Humidity: 75  
Wind Velocity, Unit: 9 E  
Soil Temp., Unit: 48 F  
Soil Moisture: DRY/DRY  
% Cloud Cover: 100

CROP STAGE AT EACH APPLICATION

A  
Crop 1 Code, Stage: ZEAMX

WEED STAGE AT EACH APPLICATION

A  
Weed 1 Code, Stage: TAROF 4-8"  
Stage Scale: >12 LVS  
Density, Unit: 32.3 M2

APPLICATION EQUIPMENT

A  
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

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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	4-27-04	5-4-04	5-18-04	6-18-04	7-15-04
Trt-Eval Interval	7 DA-A	14 DA-A	28 DA-A	AT POST	28 DAPO
# Subsamples, Dec.	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	1	2	3	4	5
1	DUAL II MAGNUM	1.66	pt/a	7	EPP A	30	60	40	57	98
1	BALANCE PRO	2	oz/a	7	EPP					
1	ATRAZINE	1.5	qt/a	7	EPP					
1	COC	0.8	qt/a	7	EPP					
2	DUAL II MAGNUM	1.66	pt/a	7	EPP A	43	70	82	80	100
2	BALANCE PRO	2	oz/a	7	EPP					
2	ATRAZINE	1.5	qt/a	7	EPP					
2	2,4-D ESTER	1	pt/a	7	EPP					
2	COC	0.8	qt/a	7	EPP					
3	LUMAX	3	qt/a	7	EPP A	40	75	97	88	98
3	COC	0.8	qt/a	7	EPP					
4	LUMAX	3	qt/a	7	EPP A	43	75	99	99	100
4	2,4-D ESTER	1	pt/a	7	EPP					
4	COC	0.8	qt/a	7	EPP					
5	LUMAX	3	qt/a	7	EPP	57	87	99	98	100
5	GRAMOXONE MAX	1.3	pt/a	7	EPP A					
5	COC	0.8	qt/a	7	EPP					
6	LUMAX	3	qt/a	7	EPP	57	80	98	94	100
6	GRAMOXONE MAX	1.3	pt/a	7	EPP A					
6	2,4-D ESTER	1	pt/a	7	EPP					
6	COC	0.8	qt/a	7	EPP					
7	BICEP II MAGNUM	2.1	qt/a	7	EPP A	43	50	50	50	95
7	2,4-D ESTER	1	pt/a	7	EPP					
7	COC	0.8	qt/a	7	EPP					
8	BICEP II MAGNUM	2.1	qt/a	7	EPP A	53	50	7	42	96
8	GRAMOXONE MAX	1.3	pt/a	7	EPP					
8	COC	0.8	qt/a	7	EPP					
9	BICEP II MAGNUM	2.1	qt/a	7	EPP A	53	55	25	37	97
9	GRAMOXONE MAX	1.3	pt/a	7	EPP					
9	2,4-D ESTER	1	pt/a	7	EPP					
9	COC	0.8	qt/a	7	EPP					
10	FIELDMASTER	4	qt/a	7	EPP A	30	65	85	75	98
10	AMS	4	qt/a	7	EPP					
11	FIELDMASTER	4	qt/a	7	EPP A	40	58	77	75	100
11	2,4-D ESTER	1	pt/a	7	EPP					
11	AMS	4	qt/a	7	EPP					
12	BICEP II MAGNUM	2.1	qt/a	7	EPP A	33	42	43	57	100
12	CURTAIL	2	pt/a	7	EPP					
13	BICEP II MAGNUM	2.1	qt/a	7	EPP A	30	40	47	50	92
13	DICAMBA	1	pt/a	7	EPP					
14	UTC					0	0	0	0	93
LSD (P=.05)						9.3	12.3	22.1	22.4	6.9
Standard Deviation						5.5	7.3	13.2	13.3	4.1
CV						14.03	12.7	21.73	20.7	4.23
Replicate F						2.167	0.545	1.760	0.033	1.785
Replicate Prob(F)						0.1348	0.5864	0.1919	0.9675	0.1878
Treatment F						21.643	26.604	21.134	13.289	1.307
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.2707