

DANDELION BURNDOWN IN CORN I

Trial ID: 04CRNDAN1 Study Dir.: Anthony F. Dobbels
Location: WESTERN ENTOMOLOGY W-3 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
2.	STEME Common chickweed	Stellaria media
3.	LAMPU Deadnettle, Red	Lamium purpureum

Crop 1: ZEAMX	CORN, FIELD	Variety: SEED CONSULTANTS SC1124A
Planting Date: 4-28-04	Planting Method: JOHN DEERE 7200	
Rate: 32097 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: 6-8-04 APPLIED POST APPLICATION OF 2/3 OZ ACCENT + 6 OZ DISTINCT.

SOIL DESCRIPTION

% OM: 3.0	Texture: silty clay loam
pH: 6.1	Soil Name: Kokomo
CEC: 18	

APPLICATION DESCRIPTION

A

Application Date:	4-22-04
Time of Day:	11:00 A.M
Application Method:	SPRAY
Application Timing:	7 EPP
Applic. Placement:	BROADCAST
Air Temp., Unit:	58 F
% Relative Humidity:	70
Wind Velocity, Unit:	3 E
Soil Temp., Unit:	53 F
Soil Moisture:	MOIST/WET
% 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 8-12"
Stage Scale:	>12 LVS
Density, Unit:	12.6 M2
Weed 2 Code, Stage:	STEME 8-12"
Stage Scale:	>12 LVS
Density, Unit:	17.6 M2
Weed 3 Code, Stage:	LAMPU 4-6"
Stage Scale:	>12 LVS
Density, Unit:	2 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	STEME	TAROF	STEME	TAROF	STEME	TAROF	TAROF	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Date					4-29-04	4-29-04	5-7-04	5-7-04	5-21-04	5-21-04	6-8-04	7-8-04	
Trt-Eval Interval					7 DA-A	7 DA-A	15 DA-A	15 DA-A	29 DA-A	29 DA-A	AT POST	28 DAPO	
# Subsamples, Dec.					0	0	0	0	0	0	0	0	
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8
1	DUAL II MAGNUM	1.66	pt/a	7 EPP	A	27	83	32	100	61	100	37	83
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	47	88	53	100	85	100	82	93
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	30	72	37	100	91	100	78	88
3	COC	0.8	qt/a	7 EPP									
4	LUMAX	3	qt/a	7 EPP	A	53	75	62	100	97	100	87	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	A	63	100	77	100	99	100	82	100
5	GRAMOXONE MAX	1.3	pt/a	7 EPP									
5	COC	0.8	qt/a	7 EPP									
6	LUMAX	3	qt/a	7 EPP		75	100	87	100	100	100	87	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	80	37	100	78	100	70	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	55	100	47	100	65	100	47	77
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	100	53	100	82	100	63	78
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	23	83	23	100	77	100	53	75
10	AMS	4	qt/a	7 EPP									
11	FIELDMASTER	4	qt/a	7 EPP	A	33	95	37	100	78	100	57	78
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	25	90	20	100	47	100	33	75
12	CURTAIL	2	pt/a	7 EPP									
13	BICEP II MAGNUM	2.1	qt/a	7 EPP	A	30	92	37	100	77	100	47	87
13	DICAMBA	1	pt/a	7 EPP									
14	UTC					0	0	0	0	0	0	0	80
LSD (P=.05)					13.9	15.6	17.2	0.0	12.3	0.0	20.2	10.4	
Standard Deviation					8.3	9.3	10.2	0.0	7.3	0.0	12.0	6.2	
CV					20.7	11.2	23.83	0.0	9.86	0.0	20.47	7.15	
Replicate F					5.755	2.919	1.909	0.000	0.863	0.000	1.559	1.435	
Replicate Prob(F)					0.0088	0.0718	0.1692	1.0000	0.4340	1.0000	0.2300	0.2570	
Treatment F					16.636	22.962	14.701	0.000	38.278	0.000	12.806	7.389	
Treatment Prob(F)					0.0001	0.0001	0.0001	1.0000	0.0001	1.0000	0.0001	0.0001	