

(04CRNDAN1nw)

Ohio State University  
Horticulture and Crop Science

DANDELION BURNDOWN IN CORN I NW

Trial ID: 04CRNDAN1  
Location: NORHTWEST A-1

Study Dir.: Anthony F. Dobbels  
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

(04CRNDAN1nw)

Ohio State University  
Horticulture and Crop Science

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

(04CRNDAN1nw)

Ohio State University  
Horticulture and Crop Science

DANDELION BURNDOWN IN CORN I NW

Trial ID: 04CRNDAN1  
Location: NORHTWEST A-1

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

Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

ARM Action Codes

# Subsamples, Dec.

ZEAMX WEIGHT	ZEAMX MOISTURE	ZEAMX YIELD
LBS	PERCENT	BU/ACRE
10-13-04	10-13-04	10-13-04
HARVEST	HARVEST	HARVEST
		TY1
1	1	1

Trt No.	Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	8	9	10
1	DUAL II MAGNUM	1.66	pt/a	7 EPP	A	25.4 abc	20.0 a	124.7 ab
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	27.9 a	21.5 a	134.6 a
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	24.7 a-d	17.8 a	124.5 ab
3	COC	0.8	qt/a	7 EPP				
4	LUMAX	3	qt/a	7 EPP	A	25.9 abc	18.4 a	129.5 ab
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		25.8 abc	18.6 a	128.9 ab
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		23.9 bcd	19.6 a	118.1 abc
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	26.4 abc	21.3 a	127.6 ab
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	21.3 d	22.0 a	102.1 c
8	GRAMOXONE MAX	1.3	pt/a	7 EPP				
8	COC	0.8	qt/a	7 EPP				

Ohio State University  
Horticulture and Crop Science

Weed Code			
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	WEIGHT	MOISTURE	YIELD
Rating Unit	LBS	PERCENT	BU/ACRE
Rating Date	10-13-04	10-13-04	10-13-04
Trt-Eval Interval	HARVEST	HARVEST	HARVEST
ARM Action Codes			TY1
# Subsamples, Dec.	1	1	1

Trt No.	Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	8	9	10
9	BICEP II MAGNUM	2.1	qt/a	7 EPP	A	25.6 abc	20.4 a	124.9 ab
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	25.6 abc	20.7 a	124.4 ab
10	AMS	4	qt/a	7 EPP				
11	FIELDMASTER	4	qt/a	7 EPP	A	20.9 d	19.5 a	103.1 c
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	27.4 ab	20.7 a	133.8 a
12	CURTAL	2	pt/a	7 EPP				
13	BICEP II MAGNUM	2.1	qt/a	7 EPP	A	23.1 cd	21.8 a	111.1 bc
13	DICAMBA	1	pt/a	7 EPP				
14	UTC					10.2 e	19.5 a	50.3 d
LSD (P=.05)						3.97	2.90	20.61
Standard Deviation						2.36	1.72	12.26
CV						9.89	8.56	10.48
Replicate F						6.174	0.436	5.147
Replicate Prob(F)						0.0066	0.6514	0.0134
Treatment F						10.493	1.673	9.416
Treatment Prob(F)						0.0001	0.1305	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Column 3: TY1 = 5.185714\*[8]\*(100-[9])/84.5