

POSTEMERGENCE DANDELION CONTROL IN CORN

Trial ID: 04PODANCRN Study Dir.: Anthony F. Dobbels
Location: NORTHWEST BRANCH 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. CIRAR

Crop 1: ZEAMX CORN, FIELD Variety: PIONEER 34M94
Planting Date: 4-19-04 Planting Method: JOHN DEERE 7000
Rate: 30813 SEED/A Depth: 1.75 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

SOIL DESCRIPTION

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

APPLICATION DESCRIPTION

	A	B
Application Date:	4-20-04	6-4-04
Time of Day:	8:30 A.M.	10:00 A.M.
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	45 F	65 F
% Relative Humidity:	75	60
Wind Velocity, Unit:	9 E	6 3
Soil Temp., Unit:	48 F	65 F
Soil Moisture:	DRY/DRY	DRY/MOIST
% Cloud Cover:	100	0

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZEAMX	ZEAMX
Stage Scale:		5 COLLAR
Height, Unit:		10 IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	TAROF 6-8"	TAROF 12-24"
Stage Scale:	>12 LVS	>12 LVS
Weed 2 Code, Stage:	CIRAR	CIRAR 24"
Stage Scale:		>12 LVS

APPLICATION EQUIPMENT

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

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Weed Code	TAROF	TAROF	TAROF
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date	6-18-04	7-2-04	7-30-04
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3
1	BALANCE PRO	2.25 oz/a		PRE	A	57	78	88
1	2,4-D	1 pt/a		PRE				
1	COC	0.8 qt/a		PRE				
1	28 %	2 qt/a		PRE				
2	BALANCE PRO	2.25 oz/a		PRE	A	90	100	100
2	2,4-D	1 pt/a		PRE				
2	COC	0.8 qt/a		PRE				
2	EQUIP	1.5 oz/a		EPO	B			
2	MSO	1.5 pt/a		EPO				
2	28 %	1.5 qt/a		EPO				
3	EQUIP	1.5 oz/a		EPO	B	47	98	100
3	MSO	1.5 pt/a		EPO				
3	28 %	1.5 qt/a		EPO				
4	EQUIP	1.5 oz/a		EPO	B	50	97	99
4	DISTINCT	2 oz/a		EPO				
4	MSO	1.5 pt/a		EPO				
4	28 %	1.5 qt/a		EPO				
5	EQUIP	1.5 oz/a		EPO	B	83	100	100
5	CALLISTO	2 oz/a		EPO				
5	MSO	1.5 pt/a		EPO				
5	28 %	1.5 qt/a		EPO				
6	STEADFAST	0.75 oz/a		EPO	B	87	100	89
6	CALLISTO	1.5 oz/a		EPO				
6	COC	1 qt/a		EPO				
6	28 %	1.5 qt/a		EPO				
7	STEADFAST	0.75 oz/a		EPO	B	50	100	94
7	CLARITY	4 oz/a		EPO				
7	COC	1 qt/a		EPO				
7	28 %	1.5 qt/a		EPO				
8	UTC					0	0	0
LSD (P=.05)						6.8	5.5	6.3
Standard Deviation						3.9	3.1	3.6
CV						6.66	3.7	4.32
Replicate F						1.960	0.533	3.117
Replicate Prob(F)						0.1776	0.5982	0.0759
Treatment F						175.960	374.120	268.078
Treatment Prob(F)						0.0001	0.0001	0.0001