

MSU Weed Science Research Program

DANDELION CONTROL WITH BURNDOWN HERBICIDES, 2006

Trial ID: C2506
Conducted: CHES

Study Dir.:
Investigator: Christy Sprague

Date Planted:
Variety:
Population:
Soil Type: silty clay loam
Plot Size: 10 X 35 FT
Row Spacing: IN
No. of Reps: 4
% OM: 2.1
pH: 6.5
Design: RANDOMIZED COMPLETE BLOCK

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	TAROF	DANDELION, COMMON	TARAXACUM OFFICINALE WEBER IN WIGGERS
2.	CAPBP	SHEPHERDSPURSE	CAPSELLA BURSA-PASTORIS (L.) MEDIK.
3.	STEME	CHICKWEED, COMMON	STELLARIA MEDIA (L.) VILL./CYR.
4.	ERICA	HORSEWEED	ERIGERON CANADENSIS L.

Application Description

A
Application Timing: POST
Date Treated: 4/24/2006
Time Treated: 11:15 am
% Cloud Cover: 50
Air Temp., Unit: 54 F
% Relative Humidity: 66
Wind Speed/Unit/Dir: 2 mph W
Soil Temp., Unit: 50 F
Soil/Leaf Surface M: 5 5
Soil Moist (1=w 5=d): 2

Weed Stage at Each Application

A
Weed 1 Name: TAROF
Height (In.): .25-6 (2)
Stage (L): 5-8 (6)
Weed 2 Name: CAPBP
Height (In.): 1-12 (6)
Stage (L): Flower
Weed 3 Name: STEME
Height (In.): 0-2 (1)
Weed 4 Name: ERICA
Height (In.): 1-3 (2)
Stage (L): Rosette

Weed Density (plants/sq. ft.)

1
Date: 4/24/2006
Weed Name: TAROF
Density: 1
Date: 4/24/2006
Weed Name: CAPBP
Density: 1
Date: 4/24/2006
Weed Name: STEME
Density: 6
Date: 4/24/2006
Weed Name: ERICA
Density: 1

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
A	cub	3.5	FF	8003	24"	20"	100"	20	H2O	30
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI

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Weed Code	TAROF	CAPBP	STEME	ERICA	TAROF	CAPBP	STEME	ERICA
Crop Code								
Rating Data Type	control	control	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent	percent
Rating Date	5/8/2006	5/8/2006	5/8/2006	5/8/2006	5/22/2006	5/22/2006	5/22/2006	5/22/2006
Trt-Eval Interval	14 DAPO	14 DAPO	14 DAPO	14 DAPO	28 DAPO	28 DAPO	28 DAPO	28 DAPO

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8
LSD (P=.05)							16.3	13.6	23.6	19.3	12.1	7.2	13.8	14.3
Standard Deviation							11.4	9.5	16.5	13.5	8.5	5.0	9.7	10.0
CV							20.79	15.91	35.46	15.94	12.26	6.74	13.5	12.18

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Weed Code		TAROF	CAPBP	STEME	ERICA					
Crop Code										
Rating Data Type		control	control	control	control					
Rating Unit		percent	percent	percent	percent					
Rating Date		6/6/2006	6/6/2006	6/6/2006	6/6/2006					
Trt-Eval Interval		43 DAPO	43 DAPO	43 DAPO	43 DAPO					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	9	10	11	12
1	GF-1280	4	L	0.375	lb ae/a	POST	88	96	96	91
1	Ammonium Sulfate		DF	2	% w/w	POST				
2	Glypmax XRT	4	L	0.375	lb ae/a	POST	90	96	96	94
2	Ammonium Sulfate		DF	2	% w/w	POST				
3	Roundup OriginalMax	4.5	L	0.375	lb ae/a	POST	95	99	98	96
3	Ammonium Sulfate		DF	2	% w/w	POST				
4	2,4-D Ester	3.8	L	0.5	lb ai/a	POST	0	0	0	15
4	Activator 90		L	0.125	% v/v	POST				
5	Blank									
6	GF-1280	4	L	0.375	lb ae/a	POST	89	98	96	96
6	2,4-D Ester	3.8	L	0.5	lb ai/a	POST				
6	Ammonium Sulfate		DF	2	% w/w	POST				
7	Glypmax XRT	4	L	0.375	lb ae/a	POST	91	98	97	85
7	2,4-D Ester	3.8	L	0.5	lb ai/a	POST				
7	Ammonium Sulfate		DF	2	% w/w	POST				
8	Roundup OriginalMax	4.5	L	0.375	lb ae/a	POST	90	96	96	85
8	2,4-D Ester	3.8	L	0.5	lb ai/a	POST				
8	Ammonium Sulfate		DF	2	% w/w	POST				
9	GF-1280	4	L	0.375	lb ae/a	POST	94	99	99	89
9	Express 75 DF	75	DF	0.086	oz ai/a	POST				
9	Ammonium Sulfate		DF	2	% w/w	POST				
10	GF-1280	4	L	0.375	lb ae/a	POST	92	100	98	95
10	Express 75 DF	75	DF	0.086	oz ai/a	POST				
10	2,4-D Ester	3.8	L	0.5	lb ai/a	POST				
10	Ammonium Sulfate		DF	2	% w/w	POST				
11	GF-1280	4	L	0.375	lb ai/a	POST	77	99	94	80
11	Valor	51	WG	1	oz ai/a	POST				
11	Ammonium Sulfate		DF	2	% w/w	POST				
12	Lumax	3.94	SE	2.5	lb ai/a	POST	90	100	98	98
12	Herbimax		L	1	% v/v	POST				
13	Keystone LA	5.5	L	3.4	lb ai/a	POST	81	100	97	100
13	Hornet WDG	68.5	DG	2.1	oz ai/a	POST				
13	Banvel	4	L	0.125	lb ai/a	POST				
14	GF-1280	4	L	0.375	lb ae/a	POST	96	99	98	88
14	EF-1343	.417	SC	0.07	oz ai/a	POST				
14	Ammonium Sulfate		DF	2	% w/w	POST				
15	GF-1280	4	L	0.375	lb ae/a	POST	93	100	98	96
15	EF-1343	.417	SC	0.07	oz ai/a	POST				
15	2,4-D Ester	3.8	L	0.5	lb ai/a	POST				
15	Ammonium Sulfate		DF	2	% w/w	POST				
16	GF-1280	4	L	0.75	lb ae/a	POST	0	0	0	49
16	Firststrate	84	WG	0.25	oz ai/a	POST				
16	Activator 90		L	0.125	% v/v	POST				
16	Ammonium Sulfate		DF	2	% w/w	POST				
17	Untreated						0	0	0	0

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Crop Code				
Rating Data Type	control	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	6/6/2006	6/6/2006	6/6/2006	6/6/2006
Trt-Eval Interval	43 DAPO	43 DAPO	43 DAPO	43 DAPO

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	9	10	11	12
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LSD (P=.05)							10.2	3.8	4.4	21.0
Standard Deviation							7.1	2.7	3.1	14.7
CV							9.77	3.34	3.93	18.74