

MSU Weed Science Research Program

REMOVAL OF ROUNDUP READY ALFALFA STANDS PRIOR TO CORN, 2011

Trial ID: A0111 Study Dir.: Andy Chomas
Conducted: CAMPUS C-25 Investigator: Christy Sprague

Date Planted: 4/11/2006 Row Spacing: IN
Variety: ROUNDUP READY No. of Reps: 4
Population: % OM:
Soil Type: loam pH:
Plot Size: 10 X 25 FT Design: RANDOMIZED COMPLETE BLOCK

Application Description

A
Application Timing: POST
Date Treated: 5/9/2011
Time Treated: 10:45 AM
% Cloud Cover: 0
Air Temp., Unit: 74 F
% Relative Humidity: 48
Wind Speed/Unit/Dir: 5 mph SE
Soil Temp., Unit: 48 F
Soil/Leaf Surface M: 5
Soil Moist (1=w 5=d): 3

Weed Stage at Each Application

A
Height (In.): 9-13 (13)*
Height (In.): 9-11 (10)

Weed Density (plants/sq. ft.)

1
Date: 5/9/2011
Weed Name: MEDSA
Density: 6 SQFT
Date: 5/9/2011
Weed Name: TAROF
Density: 3 SQFT

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A	CUB	3.5	FF	8003	32"	20"	120"	20	WATER	30

Comments: * Weed Stage at Each Application: The order is as follows, MEDSA (ALFALFA), TAROF (DANDELION).

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Weed Code	MEDSA	TAROF	MEDSA	TAROF	MEDSA	TAROF	MEDSA	TAROF
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	5/23/2011	5/23/2011	6/1/2011	6/1/2011	6/8/2011	6/8/2011	8/4/2011	8/4/2011
Trt-Eval Interval	14 DAT	14 DAT	23 DAT	23 DAT	30 DAT	30 DAT	90 DAT	90 DAT
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code								
1	2,4-D Ester	3.8	L	1	pt/a	POST	A	58	28	63	19	86	21	76	28
1	Clarity	4	L	1	pt/a	POST	A								
2	2,4-D Ester	3.8	L	1	qt/a	POST	A	51	23	66	21	90	28	88	25
2	Clarity	4	L	1	pt/a	POST	A								
3	2,4-D Amine	3.8	L	1	qt/a	POST	A	48	23	59	23	77	34	76	35
3	Clarity	4	L	1	pt/a	POST	A								
4	2,4-D Ester	3.8	L	1	qt/a	POST	A	48	20	60	24	87	25	86	38
5	2,4-D Ester	3.8	L	1.5	qt/a	POST	A	56	33	64	29	89	35	89	33
6	2,4-D Amine	3.8	L	1.5	qt/a	POST	A	41	13	45	16	73	23	70	30
7	Clarity	4	L	1	qt/a	POST	A	45	25	59	30	75	31	45	30
8	Clarity	4	L	1.5	qt/a	POST	A	55	33	63	39	78	40	40	28
9	Stinger	3	L	0.66	pt/a	POST	A	51	28	68	26	87	26	91	35
9	2,4-D Ester	3.8	L	1	qt/a	POST	A								
10	Stinger	3	L	0.66	pt/a	POST	A	51	35	76	40	96	43	96	68
10	2,4-D Ester	3.8	L	1.5	qt/a	POST	A								
11	Stinger	3	L	0.5	pt/a	POST	A	53	28	70	30	90	33	93	45
11	2,4-D Ester	3.8	L	1	qt/a	POST	A								
12	Stinger	3	L	0.5	pt/a	POST	A	59	36	79	50	89	31	92	60
12	2,4-D Ester	3.8	L	1.5	qt/a	POST	A								
13	Stinger	3	L	0.66	pt/a	POST	A	35	23	50	15	69	20	43	23
14	Sharpen	2.9	L	3	fl oz/a	POST	A	70	50	41	13	41	14	18	25
14	MSO		L	1	% v/v	POST	A								
15	Untreated						A	0	0	0	0	0	0	0	0
LSD (P=.05)								7.6	10.7	9.2	13.2	8.5	15.2	10.1	17.1
Standard Deviation								5.3	7.5	6.4	9.2	6.0	10.6	7.1	11.9
CV								11.01	28.43	11.21	37.0	7.94	39.61	10.59	35.82

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.

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Weed Code	MEDSA	TAROF
Crop Code		
Rating Data Type	control	control
Rating Unit	percent	percent
Rating Date	9/15/2011	9/15/2011
Trt-Eval Interval	129 DAT	129 DAT
# Subsamples, Dec.	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code		
1	2,4-D Ester	3.8	L	1	pt/a	POST	A	79	10
1	Clarity	4	L	1	pt/a	POST	A		
2	2,4-D Ester	3.8	L	1	qt/a	POST	A	88	16
2	Clarity	4	L	1	pt/a	POST	A		
3	2,4-D Amine	3.8	L	1	qt/a	POST	A	76	13
3	Clarity	4	L	1	pt/a	POST	A		
4	2,4-D Ester	3.8	L	1	qt/a	POST	A	89	10
5	2,4-D Ester	3.8	L	1.5	qt/a	POST	A	90	15
6	2,4-D Amine	3.8	L	1.5	qt/a	POST	A	85	18
7	Clarity	4	L	1	qt/a	POST	A	63	0
8	Clarity	4	L	1.5	qt/a	POST	A	63	8
9	Stinger	3	L	0.66	pt/a	POST	A	91	11
9	2,4-D Ester	3.8	L	1	qt/a	POST	A		
10	Stinger	3	L	0.66	pt/a	POST	A	96	11
10	2,4-D Ester	3.8	L	1.5	qt/a	POST	A		
11	Stinger	3	L	0.5	pt/a	POST	A	91	15
11	2,4-D Ester	3.8	L	1	qt/a	POST	A		
12	Stinger	3	L	0.5	pt/a	POST	A	89	5
12	2,4-D Ester	3.8	L	1.5	qt/a	POST	A		
13	Stinger	3	L	0.66	pt/a	POST	A	68	16
14	Sharpen	2.9	L	3	fl oz/a	POST	A	25	8
14	MSO		L	1	% v/v	POST	A		
15	Untreated						A	0	0

LSD (P=.05)	15.9	14.7
Standard Deviation	11.1	10.3
CV	15.34	99.41

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.