

North Carolina State University

Catsear Dandelion Control in Utility Turf

Trial ID: 03-D38
Location: Sandhills Station

Study Dir.: Travis Gannon
Investigator: Fred Yelverton

APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 SPRAY
Operating Pressure:	42 PSI
Nozzle Type:	FLAT FAN
Nozzle Size:	VS8002XR
Nozzle Spacing, Unit:	10 INCH
Nozzles/Row:	4
Boom Length, Unit:	40 INCH
Boom Height, Unit:	10 INCH
Ground Speed, Unit:	3 MPH
Carrier:	WATER
Spray Volume, Unit:	32.5 GPA
Propellant:	COMP CO2

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Weed Code										HRYRA	HRYRA	HRYRA	HRYRA	
Rating Data Type										CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit										%	%	%	%	
Rating Date										6-18-03	7-1-03	7-16-03	7-29-03	
Trt-Eval Interval										14 DA-A	27 DA-A	42 DA-A	55 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume				
1	Overdrive (Distinct) X-77	70	WG L	4 0.25	oz/a % v/v			JUNE 4 JUNE 4	A A		28.8 c	28.8 d	37.5 c	70.0 c
2	Overdrive (Distinct) X-77	70	WG L	6 0.25	oz/a % v/v			JUNE 4 JUNE 4	A A		36.3 bc	70.0 b	73.8 b	87.3 b
3	Overdrive (Distinct) X-77	70	WG L	8 0.25	oz/a % v/v			JUNE 4 JUNE 4	A A		67.5 a	83.8 ab	91.3 a	99.0 a
4	Clarity/Vanquish X-77		L L	6 0.25	oz/a % v/v			JUNE 4 JUNE 4	A A		25.0 c	20.0 d	12.5 d	17.5 e
5	Oust X-77		WG L	0.5 0.25	oz/a % v/v			JUNE 4 JUNE 4	A A		37.5 bc	46.3 c	16.3 d	31.3 d
6	Trimec Classic X-77		L L	3.5 0.25	pt/a % v/v			JUNE 4 JUNE 4	A A		68.8 a	86.3 a	91.3 a	99.0 a
7	Weedar 64 X-77		L L	2 0.25	pt/a % v/v			JUNE 4 JUNE 4	A A		50.0 b	77.5 ab	91.3 a	99.0 a
8	Nontreated										0.0 d	0.0 e	0.0 e	0.0 f
LSD (P=.05)											13.87	15.51	9.72	10.13
Standard Deviation											9.43	10.54	6.61	6.89
CV											24.04	20.45	12.77	10.95
Grand Mean											39.22	51.56	51.72	62.88
Bartlett's X2											2.689	11.171	11.796	0.52
P(Bartlett's X2)											0.847	0.083	0.067	0.915
Replicate F											0.900	0.647	2.882	2.454
Replicate Prob(F)											0.4579	0.5938	0.0600	0.0915
Treatment F											23.466	38.325	142.033	139.495
Treatment Prob(F)											0.0001	0.0001	0.0001	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.

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Weed Code										HRYRA	HRYRA	
Rating Data Type										CONTROL	CONTROL	
Rating Unit										%	%	
Rating Date										8-25-03	9-22-03	
Trt-Eval Interval										82 DA-A	110 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume		
1	Overdrive (Distinct) X-77	70	WG	4	oz/a			JUNE 4	A	36.3 c	15.0 b	
			L	0.25	% v/v			JUNE 4	A			
2	Overdrive (Distinct) X-77	70	WG	6	oz/a			JUNE 4	A	62.5 b	15.0 b	
			L	0.25	% v/v			JUNE 4	A			
3	Overdrive (Distinct) X-77	70	WG	8	oz/a			JUNE 4	A	78.8 a	80.0 a	
			L	0.25	% v/v			JUNE 4	A			
4	Clarity/Vanquish X-77		L	6	oz/a			JUNE 4	A	0.0 d	0.0 b	
			L	0.25	% v/v			JUNE 4	A			
5	Oust X-77		WG	0.5	oz/a			JUNE 4	A	0.0 d	0.0 b	
			L	0.25	% v/v			JUNE 4	A			
6	Trimec Classic X-77		L	3.5	pt/a			JUNE 4	A	78.8 a	81.3 a	
			L	0.25	% v/v			JUNE 4	A			
7	Weedar 64 X-77		L	2	pt/a			JUNE 4	A	77.5 a	62.5 a	
			L	0.25	% v/v			JUNE 4	A			
8	Nontreated									0.0 d	0.0 b	
LSD (P=.05)										12.05	20.42	
Standard Deviation										8.19	13.88	
CV										19.64	43.77	
Grand Mean										41.72	31.72	
Bartlett's X2										9.025	12.818	
P(Bartlett's X2)										0.06	0.012*	
Replicate F										0.229	0.771	
Replicate Prob(F)										0.8753	0.5229	
Treatment F										82.596	27.599	
Treatment Prob(F)										0.0001	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.

Trial Comments

5-30-03 - Trial area mowed to 3 inch height.

6-4-03 - Trial initiated.

6-18-03 - Trial evaluated for catsear dandelion control, control symptoms present.

7-1-03 - Trial evaluated for catsear dandelion control.

7-16-03 - Trial evaluated for catsear dandelion control.

7-29-03 - Trial evaluated for catsear dandelion control.

8-25-03 - Trial evaluated for catsear dandelion control.