

North Carolina State University

Mobility of Selected Herbicides on a Downward Slope and its Effects on Overseeded Perennial Ryegrass

Trial ID: 02-D02

Study Dir.: Travis Gannon

Location: NCSU Faculty Club

Investigator: Fred Yelverton

APPLICATION DESCRIPTION

	A
Application Date:	01-11-02
Time of Day:	12-1 PM
Application Method:	SPRAY
Application Timing:	POST
Applic. Placement:	UPSLOPE
Air Temp., Unit:	65.7 F
% Relative Humidity:	46
Wind Velocity, Unit:	1.3 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	50 F
Soil Moisture:	WET
% Cloud Cover:	10

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	LOLPE MOWED
Height, Unit:	4 INCH

APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 SPRAY
Operating Pressure:	42 PSI
Nozzle Type:	FLAT FAN
Nozzle Size:	VS8003XR
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:	50 GPA
Propellant:	COMP. CO2

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Crop Code							LOLPE	LOLPE	LOLPE	LOLPE				
Rating Data Type							PHYTO	PHYTO	PHYTO	PHYTO				
Rating Unit							%	%	%	%				
Rating Date							01-17-02	01-24-02	01-31-02	02-07-02				
Trt-Eval Interval							6 DA-A	13 DA-A	20 DA-A	27 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate	Grow Unit	Stg	Appl Code				
1	AEF 130360 X-77	70	WG L	60	G A/HA 0.25 % V/V	34.7	G/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
2	AEF 130360 X-77	70	WG L	120	G A/HA 0.25 % V/V	69.4	G/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
3	TranXit X-77	25	DF L	146	G/HA 0.25 % V/V	2	OZ/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
4	Manor X-77	60	WG L	73	G/HA 0.25 % V/V	1	OZ/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
5	Kerb	50	WP	1.68	KG A/HA	1.5	LB A/A		POST A		0.0 a	0.0 a	0.0 a	0.0 a
6	CGA 362 X-77	75	DG L	4.95	G A/HA 0.25 % V/V	2	G A/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
7	CGA 362 X-77	75	DG L	9.9	G A/HA 0.25 % V/V	4	G A/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
8	CGA 362 X-77	75	DG L	14.8	G A/HA 0.25 % V/V	6	G A/A		POST A POST A		0.0 a	0.0 a	0.0 a	0.0 a
9	Simazine	480	L	2.24	KG A/HA	2	LB A/A		POST A		0.0 a	0.0 a	0.0 a	0.0 a
10	Nontreated										0.0 a	0.0 a	0.0 a	0.0 a
LSD (P=.05)							0.00	0.00	0.00	0.00				
Standard Deviation							0.00	0.00	0.00	0.00				
CV							0.0	0.0	0.0	0.0				
Bartlett's X2							0.0	0.0	0.0	0.0				
P(Bartlett's X2)							0.00*	0.00*	0.00*	0.00*				
Replicate F							0.000	0.000	0.000	0.000				
Replicate Prob(F)							1.0000	1.0000	1.0000	1.0000				
Treatment F							0.000	0.000	0.000	0.000				
Treatment Prob(F)							1.0000	1.0000	1.0000	1.0000				

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

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							LOLPE PHYTO %	LOLPE PHYTO %	LOLPE PHYTO %
							02-21-02	03-07-02	04-03-02
							41 DA-A	55 DA-A	82 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Product Rate	Product Unit	Grow Stg	Appl Code	
1	AEF 130360 X-77	70	WG L	60 G A/HA 0.25 % V/V	34.7 G/A		POST A POST A		0.0 a
2	AEF 130360 X-77	70	WG L	120 G A/HA 0.25 % V/V	69.4 G/A		POST A POST A		0.0 a
3	TranXit X-77	25	DF L	146 G/HA 0.25 % V/V	2 OZ/A		POST A POST A		0.0 a
4	Manor X-77	60	WG L	73 G/HA 0.25 % V/V	1 OZ/A		POST A POST A		0.0 a
5	Kerb	50	WP	1.68 KG A/HA	1.5 LB A/A		POST A		0.0 a
6	CGA 362 X-77	75	DG L	4.95 G A/HA 0.25 % V/V	2 G A/A		POST A POST A		0.0 a
7	CGA 362 X-77	75	DG L	9.9 G A/HA 0.25 % V/V	4 G A/A		POST A POST A		0.0 a
8	CGA 362 X-77	75	DG L	14.8 G A/HA 0.25 % V/V	6 G A/A		POST A POST A		0.0 a
9	Simazine	480	L	2.24 KG A/HA	2 LB A/A		POST A		0.0 a
10	Nontreated								0.0 a
LSD (P=.05)							0.00	0.00	0.00
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P(Bartlett's X2)							0.00*	0.00*	0.00*
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Trial Comments

1-11-02 - At initiation, the volumetric water content of the soil was measured in four locations in each rep, the average for each rep was:

REP1 - 31.03%

REP2 - 29.2%

REP3 - 27.03%

REP4 - 30%

2-7-02 - Weed pressure was present and symptoms were present however weeds were not uniform enough to rate for control.