

North Carolina State University

Poa annua Control in Bermudagrass With Flazasulfuron

Trial ID: 02-T15 Study Dir.: Jason Hinton
Location: Thorndale C.C. Investigator: Fred Yelverton

GENERAL TRIAL INFORMATION

Study Director: Jason Hinton **Title:** Research Technician
Affiliation: North Carolina State University
Postal Code: 27695
Investigator: Fred Yelverton **Title:** Professor
Affiliation: North Carolina State University
Postal Code: 27695

TRIAL LOCATION

City: Oxford **Trial Status:** Complete
State/Prov.: NC
Postal Code: 27656 **Initiation Date:** 03-26-02
Country: USA

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	POAAN	Annual Bluegrass	Poa annua

Crop 1: CYNDA Bermudagrass

Variety: Common

SITE AND DESIGN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 10 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A
Application Date:	03-26-02
Time of Day:	3:30 PM
Application Method:	Spray
Application Timing:	Post
Applic. Placement:	Foliar
Air Temp., Unit:	78.8 F
% Relative Humidity:	43
Wind Velocity, Unit:	4.1 MPH
Dew Presence (Y/N):	N
Water Hardness:	N/A
Soil Temp., Unit:	64 F
Soil Moisture:	Good
% Cloud Cover:	90

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CYNDA Greenup
Stage Scale:	10%
Height, Unit:	0.75 Inch

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WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	POAAN Seedheads
Stage Scale:	4-8 Till.
Density, Unit:	50 Ft ²

APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 Spray
Operating Pressure:	36 PSI
Nozzle Type:	Flat Fan
Nozzle Size:	8002 XR
Nozzle Spacing, Unit:	10 Inch
Boom Height, Unit:	10 Inch
Ground Speed, Unit:	3 MPH
Carrier:	Water
Spray Volume, Unit:	32.5 GPA
Propellant:	Compr.CO2

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Weed Code								POAAN	POAAN	POAAN	
Rating Data Type								CONTROL	CONTROL	CONTROL	
Rating Unit								%	%	%	
Rating Date								04-02-02	04-16-02	04-30-02	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Flazasulfuron X-77	25	DG L	1.5 OZ/A 0.25 % V/V			Post Post	A A	6.3 ab	23.8 ab	60.0 c
2	Flazasulfuron X-77	25	DG L	2.25 OZ/A 0.25 % V/V			Post Post	A A	6.3 ab	22.5 ab	63.8 bc
3	Flazasulfuron X-77	25	DG L	3.0 OZ/A 0.25 % V/V			Post Post	A A	8.8 a	25.0 a	71.3 b
4	Kerb	50	WP	1.5 LB A/A			Post	A	2.5 cd	23.8 ab	82.5 a
5	TranXit X-77	25	DF L	1.0 OZ/A 0.25 % V/V			Post Post	A A	3.8 bc	21.3 b	68.8 bc
6	Nontreated								0.0 d	0.0 c	0.0 d
LSD (P=.05)								2.86	3.25	9.42	
Standard Deviation								1.90	2.16	6.25	
CV								41.46	11.13	10.84	
Bartlett's X2								0.096	0.091	8.073	
P(Bartlett's X2)								0.999	0.993	0.089	
Replicate F								4.231	0.821	2.940	
Replicate Prob(F)								0.0236	0.5024	0.0672	
Treatment F								10.846	78.851	87.821	
Treatment Prob(F)								0.0001	0.0001	0.0001	

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

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Weed Code								POAAN	POAAN
Rating Data Type								CONTROL	CONTROL
Rating Unit								%	%
Rating Date								05-07-02	05-17-02
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Unit	Grow Stg	Appl Code
1	Flazasulfuron X-77	25	DG L	1.5	OZ/A % V/V			Post Post	A A
								36.3	c 7.5
2	Flazasulfuron X-77	25	DG L	2.25	OZ/A % V/V			Post Post	A A
								63.8	b 43.8
3	Flazasulfuron X-77	25	DG L	3.0	OZ/A % V/V			Post Post	A A
								71.3	b 60.0
4	Kerb	50	WP	1.5	LB A/A			Post	A
								93.8	a 93.8
5	TranXit X-77	25	DF L	1.0	OZ/A % V/V			Post Post	A A
								65.0	b 32.5
6	Nontreated								
								0.0	d 0.0
LSD (P=.05)								9.12	19.97
Standard Deviation								6.06	13.25
CV								11.01	33.47
Bartlett's X2								5.812	8.888
P(Bartlett's X2)								0.214	0.064
Replicate F								0.227	0.578
Replicate Prob(F)								0.8759	0.6386
Treatment F								116.045	27.408
Treatment Prob(F)								0.0001	0.0001

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Trial Comments