

North Carolina State University

LATE POSTEMERGENCE ANNUAL BLUEGRASS CONTROL IN COMMON BERMUDAGRASS USING MONUMENT FORMULATIONS

Trial ID: 04-T22

Study Director: L.S. WARREN

Location: THORNDALE COUNTRY CLUB

Investigator: Fred Yelverton

Application Description

	A	B
Application Date:	4-9-04	5-4-04
Time of Day:	10:00 AM	10:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	POST	LATE POST
Application Placement:	BROFOL	BROFOL
Applied By:	L.S. WARREN	L.S. WARREN
Air Temperature, Unit:	62 F	54 F
% Relative Humidity:	74	60
Wind Velocity, Unit:	4.0 MPH	2.1 MPH
Dew Presence (Y/N):	Y	Y
Soil Temperature, Unit:	55 F	58 F
Soil Moisture:	SLIDRY	WET
% Cloud Cover:	0	0

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	CYNDA BGRM	CYNDA BGRM
Stage Scale Used:	BBCH	BBCH
Stage Majority, Percent:	DORMANT 80	GREEN 100
Height, Unit:	0.5 IN	0.75 IN

Pest Stage At Each Application

	A	B
Pest 1 Code, Disc., Scale:	POAAN W	POAAN W
Stage Majority, Percent:	SEEDED 100	SEEDED 100
Height, Unit:	1.5 IN	2.5 IN
Density, Unit:	10 FT2	20 FT2

Application Equipment

	A	B
Appl. Equipment:	BACSPR	BACSPR
Operating Pressure:	28	28
Pressure Unit:	PSI	PSI
Nozzle Type:	FLAT FAN	FLAT FAN
Nozzle Size:	XR 8002VS	XR 8002VS
Nozzle Spacing, Unit:	10 IN	10 IN
Band Width, Unit:	40 IN	40 IN
Boom Length, Unit:	40 IN	40 IN
Boom Height, Unit:	10 IN	10 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume:	32.5	32.5
Volume Unit:	GPA	GPA
Propellant:	COMCO2	COMCO2
Tank Mix (Y/N):	Y	Y

North Carolina State University

LATE POSTEMERGENCE ANNUAL BLUEGRASS CONTROL IN COMMON BERMUDAGRASS USING MONUMENT FORMULATIONS

Trial ID: 04-T22

Study Director: L.S. WARREN

Location: THORNDALE COUNTRY CLUB

Investigator: Fred Yelverton

Pest Type	W Weed	W Weed	W Weed
Pest Code	POAAN	POAAN	POAAN
Rating Date	4-21-04	5-4-04	5-17-04
Rating Data Type	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Assessed By	L.S. WARREN	L.S. WARREN	L.S. WARREN
Days After Last Applic.	12	0	13
Trt-Eval Interval	12 DA-A	25 DA-A	13 DA-B
ARM Action Codes	P	P	P
Trt Treatment	Form Form	Rate	Other Other
No. Name	Conc Type Rate Unit	Rate Unit	Growth Appl Stage Code
1 MONUMENT	75 WG	0.33 oz wt/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
2 MONUMENT	75 WG	0.56 oz wt/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
3 A14350	0.91 L	2.16 fl oz/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
4 A14350	0.91 L	3.69 fl oz/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
5 MONUMENT	75 WG	0.33 oz wt/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
MONUMENT	75 WG	0.33 oz wt/a	MAY 4 B
X-77 SPREADER	L	0.25 % v/v	MAY 4 B
6 MONUMENT	75 WG	0.56 oz wt/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
MONUMENT	75 WG	0.56 oz wt/a	MAY 4 B
X-77 SPREADER	L	0.25 % v/v	MAY 4 B
7 A14350	0.91 L	2.16 fl oz/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
A14350	0.91 L	2.16 fl oz/a	MAY 4 B
X-77 SPREADER	L	0.25 % v/v	MAY 4 B
8 A14350	0.91 L	3.69 fl oz/a	APR 9 A
X-77 SPREADER	L	0.25 % v/v	APR 9 A
A14350	0.91 L	3.69 fl oz/a	MAY 4 B
X-77 SPREADER	L	0.25 % v/v	MAY 4 B
9 REVOLVER	0.19 L	17.4 fl oz/a	APR 9 A
10 CHECK			
LSD (P=.05)	6.99	0.44	0.00
Standard Deviation	4.82	0.30	0.00
CV	6.74	0.34	0.0
Grand Mean	71.5	89.88	90.0
Bartlett's X2	3.97	0.683	0.0
P(Bartlett's X2)	0.86	0.409	.
Friedman's X2	14.114	14.359	9.818
P(Friedman's X2)	0.118	0.11	0.365
Replicate F	5.522	1.000	0.000
Replicate Prob(F)	0.0043	0.4079	1.0000
Treatment F	109.709	43519.551	0.000
Treatment Prob(F)	0.0001	0.0001	1.0000

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