



# North Carolina State University

## POST FIELD PANSY CONTROL IN COMMON BERMUDAGRASS USING FLAZASULFURON

Trial ID: 03-T17  
Location: UNIVERSITY CLUB

Study Dir.: L.S. WARREN  
Investigator: Fred Yelverton

### CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	CYNDA MOWED	CYNDA MOWED
Stage Scale:	10% GREEN	10% GREEN
Height, Unit:	1.0 IN	1.0 IN

### WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	VIORA FLOWERING	VIORA FLOWERING
Stage Scale:	NA	NA
Density, Unit:	3 FT2	3 FT2

### APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACSPR	BACSPR
Operating Pressure:	35 PSI	35 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, Unit:	32.5 GPA	32.5 GPA
Propellant:	COMCO2	COMCO2
Tank Mix (Y/N):	Y	Y

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Weed Code											VIORA	VIORA	VIORA	VIORA
Rating Data Type											INJURY	CONTROL	CONTROL	CONTROL
Rating Unit											PERCENT	PERCENT	PERCENT	PERCENT
Rating Date											4-2-03	4-11-03	4-21-03	4-28-03
Trt-Eval Interval											9 DA-A	18 DA-A	28 DA-A	35 DA-A
ARM Action Codes											P	P	P	P
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume				
1	FLAZASULFURON X-77 SPREADER	25	DG	1.5	oz wt/a			MAR 24	A		6.7 e	23.3 de	95.0 a	75.0 a
			L	0.25	% v/v			MAR 24	A					
2	FLAZASULFURON X-77 SPREADER	25	DG	2.25	oz wt/a			MAR 24	A		10.0 e	50.0 bc	98.7 a	97.7 a
			L	0.25	% v/v			MAR 24	A					
3	FLAZASULFURON X-77 SPREADER	25	DG	3.0	oz wt/a			MAR 24	A		18.3 de	50.0 bc	99.3 a	100.0 a
			L	0.25	% v/v			MAR 24	A					
4	FLAZASULFURON X-77 SPREADER	25	DG	3.0	oz wt/a			MAR 24	A		31.7 cd	35.0 cd	98.3 a	100.0 a
			L	0.25	% v/v			MAR 24	A					
	BUENO 6	6.0	L	2.0	lb ai/a			MAR 24	A					
5	FLAZASULFURON X-77 SPREADER	25	DG	3.0	oz wt/a			MAR 25	B		53.3 ab	90.0 a	97.7 a	100.0 a
			L	0.25	% v/v			MAR 25	B					
	2,4-D AMINE	4.0	L	1.0	lb ai/a			MAR 25	B					
6	CONFRONT	3.0	SL	1.0	pt/a			MAR 24	A		38.3 bc	61.7 b	99.3 a	100.0 a
7	COOL POWER	3.6	L	3.0	pt/a			MAR 24	A		46.7 abc	45.0 bcd	99.3 a	96.7 a
8	SPEED ZONE	2.2	EC	3.5	pt/a			MAR 24	A		65.0 a	95.0 a	100.0 a	96.7 a
9	TRIMEC CLASSIC	3.32	L	3.25	pt/a			MAR 24	A		53.3 ab	45.0 bcd	48.3 b	45.0 b
10	REVOLVER X-77 SPREADER	0.19	L	1.089	pt/a			MAR 24	A		5.0 e	23.3 de	96.7 a	96.7 a
			L	0.25	% v/v			MAR 24	A					
11	TRANXIT GTA X-77 SPREADER	25	DF	1.0	oz wt/a			MAR 24	A		11.7 e	28.3 cd	93.3 a	100.0 a
			L	0.25	% v/v			MAR 24	A					
12	TRIFLOXYSULFURON X-77 SPREADER	75	WG	0.47	oz wt/a			MAR 24	A		16.7 de	43.3 bcd	100.0 a	100.0 a
			L	0.25	% v/v			MAR 24	A					
13	CHECK										0.0 e	0.0 e	0.0 c	0.0 c
LSD (P=.05)											19.63	25.31	11.16	29.08
Standard Deviation											11.65	15.02	6.62	17.26
CV											42.46	33.09	7.65	20.25
Grand Mean											27.44	45.38	86.62	85.21
Bartlett's X2											7.693	4.336	36.677	24.478
P(Bartlett's X2)											0.659	0.74	0.001*	0.001*
Replicate F											4.214	2.148	1.558	2.377
Replicate Prob(F)											0.0270	0.1386	0.2311	0.1143
Treatment F											10.498	9.082	59.431	9.103
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											VIORA
Rating Data Type											CONTROL
Rating Unit											PERCENT
Rating Date											5-9-03
Trt-Eval Interval											46 DA-A
ARM Action Codes											P
Trt No.	Treatment Name	Form Conc	Form Type	Form Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume	
1	FLAZASULFURON X-77 SPREADER	25 L	DG	1.5 0.25	oz wt/a % v/v			MAR 24 MAR 24	A A		75.0 a
2	FLAZASULFURON X-77 SPREADER	25 L	DG	2.25 0.25	oz wt/a % v/v			MAR 24 MAR 24	A A		100.0 a
3	FLAZASULFURON X-77 SPREADER	25 L	DG	3.0 0.25	oz wt/a % v/v			MAR 24 MAR 24	A A		100.0 a
4	FLAZASULFURON X-77 SPREADER BUENO 6	25 L 6.0	DG	3.0 0.25 2.0	oz wt/a % v/v lb ai/a			MAR 24 MAR 24 MAR 24	A A A		100.0 a
5	FLAZASULFURON X-77 SPREADER 2,4-D AMINE	25 L 4.0	DG	3.0 0.25 1.0	oz wt/a % v/v lb ai/a			MAR 25 MAR 25 MAR 25	B B B		100.0 a
6	CONFRONT	3.0	SL	1.0	pt/a			MAR 24	A		100.0 a
7	COOL POWER	3.6	L	3.0	pt/a			MAR 24	A		91.7 a
8	SPEED ZONE	2.2	EC	3.5	pt/a			MAR 24	A		96.7 a
9	TRIMEC CLASSIC	3.32	L	3.25	pt/a			MAR 24	A		33.3 b
10	REVOLVER X-77 SPREADER	0.19 L	L	1.089 0.25	pt/a % v/v			MAR 24 MAR 24	A A		100.0 a
11	TRANXIT GTA X-77 SPREADER	25 L	DF	1.0 0.25	oz wt/a % v/v			MAR 24 MAR 24	A A		100.0 a
12	TRIFLOXYSULFURON X-77 SPREADER	75 L	WG	0.47 0.25	oz wt/a % v/v			MAR 24 MAR 24	A A		100.0 a
13	CHECK										0.0 c
LSD (P=.05)											33.00
Standard Deviation											19.58
CV											23.21
Grand Mean											84.36
Bartlett's X2											8.348
P(Bartlett's X2)											0.039*
Replicate F											2.213
Replicate Prob(F)											0.1312
Treatment F											7.804
Treatment Prob(F)											0.0001

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

03-25-03: TREATMENT 5 (FLAZASULFURON + 2,4-D AMINE + X-77 SPREADER) APPLIED AFTER RECEIVING 2,4-D AMINE

04-11-03: FLAZASULFURON TREATED PLANTS WERE TURNED A DARKENED BLACKISH-GREEN  
FLAZASULFURON + BUENO 6 CAUSED LEAF BURN SYMPTOMS CHARACTERISTIC OF BUENO 6

04-15-03: TEST AREA MOWED AND VIORA COULD NOT BE ACCURATELY EVALUATED AT THIS TIME