

North Carolina State University

Tolerance of Zoysiagrass to Postemergence Herbicides

Trial ID: 02-T41

Study Dir.: Jason Hinton

Location: NCSU Turf Field Lab Investigator: Fred Yelverton

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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Crop Code							ZOYJA	ZOYJA	ZOYJA			
Rating Data Type							QUALITY	QUALITY	QUALITY			
Rating Unit							1-9	1-9	1-9			
Rating Date							09-20-02	09-24-02	10-04-02			
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code				
1	F8426 X-77	L	L	2.33 FL OZ/A 0.25 % V/V			Post Post	A A	6.500 b	7.000 a	7.000 a	
2	F8426 X-77	L	L	4.66 FL OZ/A 0.25 % V/V			Post Post	A A	5.813 c	6.938 a	6.875 a	
3	F8426 X-77	L	L	9.32 FL OZ/A 0.25 % V/V			Post Post	A A	5.063 d	6.875 a	7.000 a	
4	F8426 Trimec Classic X-77	L	L	4.66 FL OZ/A 7.0 PT/A 0.25 % V/V	3.32		Post Post Post	A A A	4.938 d	5.688 bc	5.938 b	
5	F8426 Horsepower X-77	L	EC	4.66 FL OZ/A 5.0 PT/A 0.25 % V/V	4.5		Post Post Post	A A A	4.875 d	5.750 b	5.938 b	
6	F8426 Chaser 2 Amine X-77	L	EC	4.66 FL OZ/A 5.0 PT/A 0.25 % V/V			Post Post Post	A A A	4.813 d	5.750 b	5.625 b	
7	F8426 Turflon Ester X-77	L	EC	4.66 FL OZ/A 2.0 PT/A 0.25 % V/V			Post Post Post	A A A	4.688 d	5.375 c	5.125 c	
8	Nontreated									7.000 a	7.000 a	7.000 a
LSD (P=.05)							0.3798	0.3247	0.4914			
Standard Deviation							0.2582	0.2208	0.3341			
CV							4.73	3.51	5.29			
Bartlett's X2							10.545	2.023	6.645			
P(Bartlett's X2)							0.103	0.846	0.156			
Replicate F							4.481	0.481	2.427			
Replicate Prob(F)							0.0139	0.6990	0.0940			
Treatment F							45.987	41.656	19.960			
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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Crop Code								ZOYJA	ZOYJA	
Rating Data Type								QUALITY	QUALITY	
Rating Unit								1-9	1-9	
Rating Date								10-07-02	10-17-02	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code		
1	F8426 X-77	L	L	2.33 FL OZ/A 0.25 % V/V			Post Post	A A	7.00 a	6.875 a
2	F8426 X-77	L	L	4.66 FL OZ/A 0.25 % V/V			Post Post	A A	7.00 a	6.875 a
3	F8426 X-77	L	L	9.32 FL OZ/A 0.25 % V/V			Post Post	A A	7.00 a	6.875 a
4	F8426 Trimec Classic X-77	L	L	4.66 FL OZ/A 7.0 PT/A 0.25 % V/V	3.32		Post Post Post	A A A	6.25 b	6.000 a
5	F8426 Horsepower X-77	L	EC	4.66 FL OZ/A 5.0 PT/A 0.25 % V/V	4.5		Post Post Post	A A A	6.00 b	5.563 a
6	F8426 Chaser 2 Amine X-77	L	EC	4.66 FL OZ/A 5.0 PT/A 0.25 % V/V			Post Post Post	A A A	5.50 c	5.375 a
7	F8426 Turflon Ester X-77	L	EC	4.66 FL OZ/A 2.0 PT/A 0.25 % V/V			Post Post Post	A A A	5.00 d	17.625 a
8	Nontreated								7.00 a	6.875 a
LSD (P=.05)								0.336	13.0145	
Standard Deviation								0.228	8.8487	
CV								3.6	114.06	
Bartlett's X2								0.423	107.971	
P(Bartlett's X2)								0.809	0.001*	
Replicate F								1.000	0.943	
Replicate Prob(F)								0.4123	0.4376	
Treatment F								47.914	0.832	
Treatment Prob(F)								0.0001	0.5725	

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Trial Comments