

North Carolina State University

Application Description

Application Date: 03-06-08
 Time of Day: 4:00 PM
 Application Method: SPRY&SPRD
 Application Timing: PRE
 Application Placement: BROSOIL
 Applied By: L.S. WARREN
 Air Temperature, Unit: 71 F
 % Relative Humidity: 44
 Wind Velocity, Unit: 2.7 MPH
 Dew Presence (Y/N): N
 Soil Temperature, Unit: 65 F
 Soil Moisture: WET
 % Cloud Cover: 0

Crop Stage At Each Application

Crop 1 Code, BBCH Scale: FESAR BGRM
 Stage Scale Used: BBCH
 Stage Majority, Percent: MOWED 100
 Height, Unit: 4.0 IN

Pest Stage At Each Application

Pest 1 Code, Disc., Scale: DIGIS W
 Stage Majority, Percent: PRE 100
 Height, Unit: 0 IN
 Density, Unit: 0 FT2

Application Equipment

Appl. Equipment: BACSPR
 Operating Pressure, Unit: 28 PSI
 Nozzle Type: FLAT FAN
 Nozzle Size: XR 8002VS
 Nozzle Spacing, Unit: 10 IN
 Nozzle Calibration, Unit: 620 ML/MIN
 Band Width, Unit: 40 IN
 Boom Length, Unit: 40 IN
 Boom Height, Unit: 10 IN
 Ground Speed, Unit: 3 MPH
 Carrier: WATER
 Spray Volume, Unit: 32.5 GPA
 Mix Size, Unit: 0.25
 Propellant: COMCO2
 Tank Mix (Y/N): N

(08-T26)

North Carolina State University

PREEMERGENCE SMOOTH CRABGRASS CONTROL IN TALL FESCUE USING AE 1170437 FORMULATIONS

Trial ID: 08-T26

Protocol ID: 08-T26

Location: WESLEYAN COLLEGE

Study Director: L.S. WARREN

Investigator: Fred Yelverton

Trial Comments

GRANULAR TREATMENT APPLIED IN 2 TO 3 DIRECTIONS WITH SHAKER JAR WITH HOLES PUNCHED IN LID

05-08-08: DIGIS STILL ONLY IN 1-2 LEAF STAGE AT 0.5 INCH IN HEIGHT AND SPORADICALLY GERMINATING AT THIS TIME

06-24-08: TEST AREA EXTREMELY DRY AND COULD NOT BE RATED AT THIS TIME

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PREEMERGENCE SMOOTH CRABGRASS CONTROL IN TALL FESCUE USING AE 1170437 FORMULATIONS

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Growth Stage	Appl Code	1	2	3	123 P	158 P	180 P	180 P
1	AE 1170437 00 WP20 A2 20	WP	0.049	OZ WT/1000	FT2	MAR 6	A	100	a	96	ab	91	abc	
2	AE 1170437 00 WP20 A2 20	WP	0.0655	OZ WT/1000	FT2	MAR 6	A	98	ab	95	ab	94	ab	
3	AE 1170437 00 WP20 A2 20	WP	0.082	OZ WT/1000	FT2	MAR 6	A	91	ab	96	ab	90	abc	
4	AE 1170437 00 WP20 A2 20	WP	0.098	OZ WT/1000	FT2	MAR 6	A	98	ab	98	a	88	abc	
5	AE 1170437 00 WP20 A2 20	WP	0.115	OZ WT/1000	FT2	MAR 6	A	98	ab	100	a	86	abc	
6	AE 1170437 00 WP20 A2 20	WP	0.131	OZ WT/1000	FT2	MAR 6	A	100	a	98	a	99	a	
7	AE 1170437	1.67	SC	0.047	FL OZ/1000	FT2	MAR 6	A	95	ab	93	ab	78	cd
8	AE 1170437	1.67	SC	0.063	FL OZ/1000	FT2	MAR 6	A	90	ab	89	ab	71	d
9	AE 1170437	1.67	SC	0.0785	FL OZ/1000	FT2	MAR 6	A	100	a	94	ab	95	ab
10	AE 1170437	1.67	SC	0.094	FL OZ/1000	FT2	MAR 6	A	88	b	93	ab	99	a
11	AE 1170437	1.67	SC	0.11	FL OZ/1000	FT2	MAR 6	A	95	ab	85	b	83	bcd
12	AE 1170437	1.67	SC	0.126	FL OZ/1000	FT2	MAR 6	A	98	ab	99	a	95	ab
13	SP 102000019626	0.0142	G	251	LB/A		MAR 6	A	100	a	94	ab	88	abc
14	BARRICADE	4	F	0.74	FL OZ/1000	FT2	MAR 6	A	98	ab	100	a	99	a
15	CHECK								0	c	0	c	0	e
LSD (P=.05)								12.2	11.3	14.8				
Standard Deviation								8.5	7.9	10.3				
CV								9.51	8.91	12.37				
Replicate F								1.883	1.081	0.295				
Replicate Prob(F)								0.1471	0.3674	0.8287				
Treatment F								34.688	39.645	22.382				
Treatment Prob(F)								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.