

University of GA Coop Ext Service

Preemergence Crabgrass Control in Tall Fescue with Homeowner Herbicide Formulations	
Trial ID: Turf26-03	Study Dir.: Bill Nutt
Location: Griffin	Investigator: Tim R Murphy

GENERAL TRIAL INFORMATION	
Study Director: Bill Nutt	Title: ARC I
Affiliation: UGA-CAES	
Investigator: Tim R Murphy	Title: Weed Scientist
Affiliation: UGA-CAES	
TRIAL LOCATION	
City: Griffin	Trial Status: ARCHIVED
State/Prov.: GA	Initiation Date: 3-24-2003
COOPERATOR/LANDOWNER	
Cooperator: Robert Baker	
Org: Scotts Research	

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	DIGSP	Crabgrass, Southern	<i>Digitaria ciliaris</i>

Crop 1: FESAR	Fescue, Tall/ <i>Festuca arundinacea</i>	Variety: KY	Perennial Age: 1	yr
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SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 10 FT Reps: 4
 Site Type: simulated home lawn Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: Irrigated site. Mowed at 3.0 inches with rotary mower.

APPLICATION DESCRIPTION

	A	B
Application Date:	3-24-2003	5-20-2003
Time of Day:	3:30 PM	2:30 PM
Application Method:	Broadcast	Broadcast
Application Timing:	Pre	Pre
Applic. Placement:	Soil	Soil
Air Temp., Unit:	74 F	70 F
% Relative Humidity:	32	80
Wind Velocity, Unit:	3 mph	3.5 mph
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	64 F	73 F
Soil Moisture:	High	High
% Cloud Cover:	0	90

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CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	FESAR Active	FESAR Active
Height, Unit:	3 inch	3 inch

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	DIGSP	DIGSP
Density, Unit:	0 %	0 %

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	By Hand*	By Hand*

Trt No	Treatment Application Comment
A	3-24-03, All treatments granular mix w/ dry sand and broadcast by hand.
B	5-20-03, All treatments granular mix w/ dry sand and broadcast by hand.

Trial Comments

5-20-03

No emerged Crabgrass, DIGSP, observed in untreated or treated plots.

No Tall Fescue, FESAR, injury observed in treated plots.

6-26-03

No emerged Crabgrass, DIGSP, observed in untreated or treated plots.

No Tall Fescue, FESAR, injury observed in treated plots.

7-24-03

Sprayed entire area with Trimec Classic herbicide at 3 pints/A + 0.25% v/v non ionic surfactant.

7-30-03

No Tall Fescue, FESAR, injury observed in treated plots.

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Trial ID: Turf26-03				Study Dir.: Bill Nutt							
Location: Griffin				Investigator: Tim R Murphy							
Weed Code									DIGSP	DIGSP	
Crop Code									Density	Density	
Rating Data Type									0-100	0-100	
Rating Unit									6-26-2003	7-30-2003	
Rating Date									94 DA-A	128 DA-A	
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code		
1	Scotts Halts (pendimethalin)	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	active	A	0 a	20 ab
2	Scotts Halts fb	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	active	A	0 a	10 c
	Scotts Halts	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	+ 60 day	B		
3	Sta-Green Crab-Ex (dithiopyr)	0.17	GR	0.252	lb ai/a	3.4	lb/1000 ft2	active	A	0 a	10 c
4	Vigoro Crab Preventer (dithiopyr)	0.17	GR	0.252	lb ai/a	3.4	lb/1000 ft2	active	A	0 a	14 bc
5	Untreated Check									0 a	26 a
LSD (P=.05)									0.0	8.5	
Standard Deviation									0.0	5.5	
CV									0.0	34.59	

Preemergence Crabgrass Control in Tall Fescue with Homeowner Herbicide Formulations										DIGSP	DIGSP	DIGSP
Weed Code									Density	Control	Control	
Crop Code									0-100	0-100	0-100	
Rating Data Type									8-25-03	7-30-03	8-25-03	
Rating Unit									154 DA-A	128 DA-A	154 DA-A	
Rating Date												
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Scotts Halts (pendimethalin)	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	active	A	54 a	25 b	4 ab
2	Scotts Halts fb	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	active	A	30 b	71 a	40 a
	Scotts Halts	1.71	GR	1.5	lb ai/a	2.0	lb/1000 ft2	+ 60 day	B			
3	Sta-Green Crab-Ex (dithiopyr)	0.17	GR	0.252	lb ai/a	3.4	lb/1000 ft2	active	A	33 ab	74 a	31 ab
4	Vigoro Crab Preventer (dithiopyr)	0.17	GR	0.252	lb ai/a	3.4	lb/1000 ft2	active	A	35 ab	59 a	38 ab
5	Untreated Check									53 a	0 b	0 b
LSD (P=.05)									20.1	32.3	35.4	
Standard Deviation									13.0	21.0	22.9	
CV									31.96	45.86	101.98	

Means followed by same letter do not significantly differ (P=.05, Duncan's New MRT)