

University of GA Coop Ext Service

Tolerance of Emerald Zoysiagrass to Revolver

Trial ID: Turf35-03

Study Dir. : Bill Nutt

Location: Griffin

Investigator: Tim R Murphy

GENERAL TRIAL INFORMATION

Investigator: Tim R Murphy

Title: Weed Scientist

Affiliation: UGA-CAES

Study Director: Bill Nutt

Title: ARC I

Affiliation: UGA-CAES

TRIAL LOCATION

City: Griffin

Trial Status: ARCHIVED

State/Prov. : GA

Initiation Date: 6-17-2003

Planned Completion Date: 9-15-2003

COOPERATOR/LANDOWNER

Cooperator: Laurence Mudge

Org: Bayer

WEED DESCRIPTION

Crop 1: ZOYJA	Zoysiagrass	Variety: Emerald	Perennial Age: 20	yrs
---------------	-------------	------------------	-------------------	-----

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 10 FT Reps: 3

Site Type: home lawn

Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A	B
Application Date:	6-17-2003	6-24-2003
Time of Day:	3:30 pm	10:00 am
Application Method:	Broadcast	Broadcast
Application Timing:	Post	Post
Applic. Placement:	Foliar	Foliar
Air Temp., Unit:	85 F	85 F
% Relative Humidity:	70	60
Wind Velocity, Unit:	1 mph	0 mph
Dew Presence (Y/N):	N	N
Soil Temp., Unit:	85 F	80 F
Soil Moisture:	High	Good
% Cloud Cover:	97	0

University of GA Coop Ext Service

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	ZOYJA Growth	ZOYJA Growth
Stage Scale:	Active	Active
Height, Unit:	2.0 inch	2.0 inch

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	Backpack	Backpack
Operating Pressure:	26 psi	26 psi
Nozzle Type:	Flat Fan	Flat Fan
Nozzle Size:	8004	8004
Nozzle Spacing, Unit:	20 inch	20 inch
Boom Length, Unit:	5 feet	5 feet
Boom Height, Unit:	19 inch	19 inch
Ground Speed, Unit:	3 mph	3 mph
Carrier:	Water	Water
Spray Volume, Unit:	25 gpa	25 gpa
Propellant:	CO2	CO2
Tank Mix (Y/N):	N	N

Trial Comments

6-24-03

Injury observed as slight yellowing of foliage.

7-14-03, 8-19-03

No discoloration or thinning was observed, at this time, for any treatment.

9-15-03

No injury to Emerald Zoysiagrass observed.

University of GA Coop Ext Service

Tolerance of Emerald Zoysiagrass to Revolver

Trial ID: Turf35-03

Study Dir. : Bill Nutt

Location: Griffin

Investigator: Tim R Murphy

Crop Code	ZOYJA	ZOYJA	ZOYJA	ZOYJA						
Part Rated	Foliag	Foliag	Foliag	Foliag						
Rating Data Type	Injury	Injury	Injury	Injury						
Rating Unit	0-100	0-100	0-100	0-100						
Rating Date	6-24-2003	7-2-2003	7-14-2003	8-19-2003						
Trt-Eval Interval	7 DA-A	15 DA-A	27 DA-A	63 DA-A						
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code				
1	Untreated						0 c	0 e	0 a	0 a
2	Revolver fb	0.19	SC	0.4 oz/1000 ft2	Active	A	3 a	27 c	0 a	0 a
	Revolver	0.19	SC	0.4 oz/1000 ft2	Active	B				
3	Revolver fb	0.19	SC	0.6 oz/1000 ft2	Active	A	3 a	32 bc	0 a	0 a
	Revolver	0.19	SC	0.6 oz/1000 ft2	Active	B				
4	Revolver fb	0.19	SC	0.8 oz/1000 ft2	Active	A	3 a	37 ab	0 a	0 a
	Revolver	0.19	SC	0.8 oz/1000 ft2	Active	B				
5	Revolver fb	0.19	SC	1.2 oz/1000 ft2	Active	A	4 a	42 a	0 a	0 a
	Revolver	0.19	SC	1.2 oz/1000 ft2	Active	B				
6	Revolver	0.19	SC	0.6 oz/1000 ft2	Active	A	2 b	12 d	0 a	0 a
	Fe2SO4 fb	0.25	SC	13 fl oz/1000 ft2	Active	A				
	Revolver	0.19	SC	0.6 oz/1000 ft2	Active	B				
	Fe2SO4	0.25	SC	13 fl oz/1000 ft2	Active	B				
LSD (P=.05)							0.9	6.6	0.0	0.0
Standard Deviation							0.5	3.6	0.0	0.0
CV							21.16	14.62	0.0	0.0

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