

University of GA Coop Ext Service

Tolerance of 'Sea Isle 2000' Paspalum Putting Green to Flazasulfuron

Trial ID: Turf20-03
Location: GRIFFIN, GA

Study Dir.: Bill Nutt
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:** 8-8-2003
Planned Completion Date: 9-30-2003

COOPERATOR/LANDOWNER

Cooperator: Mel Grove **Org:** ISK BioSciences
Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP DESCRIPTION

Crop 1: PASVA PASPALUM, SEASHORE **Variety:** SEA ISLE 2000
Perennial Age: 4 YEAR

SITE AND DESIGN

Plot Width, Unit: 4 FT **Plot Length, Unit:** 5 FT **Reps:** 4
Site Type: simulated putting green **Study Design:** RANDOMIZED COMPLETE BLOCK

Trial Initiation Comments: Site mowed from 0.375 to 0.25 inch 1 day before treatment due to misunderstanding with technical staff.
Test site mowed 4 hours before herbicides were applied.

MAINTENANCE

Field Prep./Maintenance: Site mowed at 0.25 inches, irrigated site.

University of GA Coop Ext Service

APPLICATION DESCRIPTION

	A
Application Date:	8-8-2003
Time of Day:	2:30 p.m.
Application Method:	Broadcast
Application Timing:	POST
Applic. Placement:	Foliar
Air Temp., Unit:	88 F
% Relative Humidity:	67
Wind Velocity, Unit:	1 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	87 F
Soil Moisture:	Good
% Cloud Cover:	90

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	PASVA
Height, Unit:	0.25 IN

APPLICATION EQUIPMENT

	A
Appl. Equipment:	Backpack
Operating Pressure:	18 psi CO2 regulator
Operating Pressure:	16 psi Down pipe
Nozzle Type:	flat fan
Nozzle Size:	8004
Nozzle Spacing, Unit:	18 IN
Boom Length, Unit:	3 FT
Boom Height, Unit:	20 IN
Ground Speed, Unit:	3 MPH
Carrier:	water
Spray Volume, Unit:	25 gpa
Propellant:	CO2
Tank Mix (Y/N):	N

University of GA Coop Ext Service

Tolerance of 'Sea Isle 2000' Paspalum Putting Green to Flazasulfuron

Trial ID: Turf20-03

Study Dir.: Bill Nutt

Location: GRIFFIN, GA

Investigator: Tim R Murphy

Crop Code	PASVA											
Part Rated	Fol											
Rating Data Type	Injury											
Rating Unit	0-100											
Rating Date	8-14-2003											
Trt-Eval Interval	6 DA-A											
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Appl Code						
1	Untreated						0 d	0 c	0 b	0 b	0 a	9.0 a
2	Flazasulfuron	25	DG	0.75 oz wt/a		A	15 bc	14 bc	8 b	4 ab	0 a	7.6 b
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
3	Flazasulfuron	25	DG	1.5 oz wt/a		A	24 ab	33 ab	19 b	3 b	0 a	6.8 ^b _c
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
4	Flazasulfuron	25	DG	3.0 oz wt/a		A	14 bc	36 ab	21 b	4 ab	1 a	7.4 b
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
5	Flazasulfuron	25	DG	6 oz wt/a		A	31 a	59 a	58 a	9 a	1 a	6.0 c
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
6	Manor	60	DG	0.5 oz wt/a		A	11 c	10 bc	8 b	1 b	0 a	7.8 b
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
LSD (P=.05)							10.2	27.1	20.6	5.4	2.2	0.95
Standard Deviation							6.7	18.0	13.6	3.6	1.5	0.63
CV							42.63	71.35	72.76	107.24	357.77	8.5

Crop Code	PASVA											
Part Rated	Fol											
Rating Data Type	Color											
Rating Unit	0-10											
Rating Date	8-21-2003											
Trt-Eval Interval	13 DA-A											
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Appl Code						
1	Untreated						7.9 a	8.3 a	9.0 a	8.9 a	96 a	96 a
2	Flazasulfuron	25	DG	0.75 oz wt/a		A	7.5 a	8.1 a	8.8 a	8.6 ab	93 a	95 a
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
3	Flazasulfuron	25	DG	1.5 oz wt/a		A	6.1 a	7.3 a	8.9 a	9.0 a	96 a	98 a
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
4	Flazasulfuron	25	DG	3.0 oz wt/a		A	5.8 ab	7.1 a	8.5 a	8.8 ab	86 a	91 a
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
5	Flazasulfuron	25	DG	6 oz wt/a		A	3.6 b	4.3 b	7.6 b	8.3 b	73 b	78 b
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
6	Manor	60	DG	0.5 oz wt/a		A	7.6 a	8.0 a	8.5 a	8.9 a	96 a	99 a
	Chem-Nut 80/20 NIS			0.25 % v/v		A						
LSD (P=.05)							2.28	1.59	0.62	0.54	10.9	11.0
Standard Deviation							1.51	1.06	0.41	0.36	7.2	7.3
CV							23.61	14.73	4.78	4.13	8.03	7.86

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