

North Carolina State University

DOGFENNEL CONTROL IN A GOLF COURSE ROUGH

Trial ID: 04-D27

Study Director: TRAVIS GANNON

Location: PLYMOUTH COUNTRY CLUB

Investigator: Fred Yelverton

General Trial Information

Study Director: TRAVIS GANNON **Title:** RESEARCH ASSOCIATE
Affiliation: NORTH CAROLINA STATE UNIVERSITY
Postal Code: 27695 **E-mail:** TRAVIS_GANNON@NCSSU.EDU
Investigator: FRED YELVERTON **Title:** PROFESSOR
Affiliation: NORTH CAROLINA STATE UNIVERSITY
Postal Code: 27695 **E-mail:** FRED_YELVERTON@NCSSU.EDU

Trial Location

City: PLYMOUTH **Trial Status:** COMPLETED
State/Prov.: NC
Postal Code: 27962 **Initiation Date:** 5-26-04
Country: USA
Directions:

Objectives:

Conclusions:

Cooperator/Landowner

Cooperator: CHRIS KELLY **Country:** USA
Organization: PLYMOUTH COUNTRY CLUB **Phone No:** 252.793.4519
Address 1: 301 GOLF RD
City: PLYMOUTH
State/Prov: NC
Postal Code: 27962

Crop Description

Crop 1: CYNDA Cynodon dactylon Bermuda grass
Variety: common
BBCH Scale: BGRM

Pest Description

Pest 1 Type: W **Code:** EUPCP Eupatorium capillifolium
Common Name: Fennel, dog

Site and Design

Plot Width, Unit: 5 FT **Site Type:** GOLF COURSE ROUGH
Plot Length, Unit: 8 FT
Replications: 4 **Study Design:** Randomized Complete Block

Trial Initiation Comments:

Field Prep./Maintenance:

Soil Description

% OM: 0.76 **Texture:** MINERAL
pH: 5.9
CEC: 4.3 **Fert. Level:** FAIR

Moisture Conditions

Overall Moisture Conditions: APR-2.61"; MAY-3.35"; JUNE-9.11"; JULY-0.32"

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Application Description

	A
Application Date:	5-26-04
Time of Day:	10-12NOON
Application Method:	SPRAY
Application Timing:	MAY 26
Application Placement:	FOLIAR
Applied By:	T GANNON
Air Temperature, Unit:	86.1 F
% Relative Humidity:	79
Wind Velocity, Unit:	1.8 MPH
Dew Presence (Y/N):	N
Soil Temperature, Unit:	81 F
Soil Moisture:	GOOD
% Cloud Cover:	20

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	CYNDA BGRM
Stage Scale Used:	BBCH
Height, Unit:	2 IN
Height Minimum, Maximum:	1 3

Pest Stage At Each Application

	A
Pest 1 Code, Disc., Scale:	EUPCP W
Diameter, Unit:	3 IN
Height, Unit:	4 IN
Height Minimum, Maximum:	3 6
Density, Unit:	0.5 FT2
Coverage, Unit:	10 %

Application Equipment

	A
Appl. Equipment:	CO2 SPRAY
Operating Pressure:	25
Pressure Unit:	PSI
Nozzle Type:	FLAT FAN
Nozzle Size:	VS8002XR
Nozzle Spacing, Unit:	10 INCH
Nozzles/Row:	4
Boom Length, Unit:	40 INCH
Boom Height, Unit:	10 INCH
Ground Speed, Unit:	3 MPH
Carrier:	WATER
Spray Volume:	32.5
Volume Unit:	GPA
Propellant:	COMP CO2

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Pest Code												
Crop Code												
Rating Date												
Rating Data Type												
Rating Unit												
Days After Last Applic.												
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	TURF 6-8-04	TURF 6-21-04	TURF 7-7-04	TURF 7-21-04
1	FLAZASULFURON X-77	25 WG	L	0.5 oz/a		0.25 % v/v	MAY 26 A	MAY 26 A	7.0 a	7.0 a	7.0 a	7.0 a
2	FLAZASULFURON X-77	25 WG	L	1 oz/a		0.25 % v/v	MAY 26 A	MAY 26 A	7.0 a	7.0 a	7.0 a	7.0 a
3	FLAZASULFURON X-77	25 WG	L	1.5 oz/a		0.25 % v/v	MAY 26 A	MAY 26 A	7.0 a	7.0 a	7.0 a	7.0 a
4	FLAZASULFURON X-77	25 WG	L	3 oz/a		0.25 % v/v	MAY 26 A	MAY 26 A	7.0 a	7.0 a	7.0 a	7.0 a
5	CONFRONT		L	1 pt/a			MAY 26 A		7.0 a	7.0 a	7.0 a	7.0 a
6	TRIMEC CLASSIC		L	3.5 pt/a			MAY 26 A		7.0 a	7.0 a	7.0 a	7.0 a
7	NONTREATED								7.0 a	7.0 a	7.0 a	7.0 a
LSD (P=.05)									0.00	0.00	0.00	0.00
Standard Deviation									0.00	0.00	0.00	0.00
CV									0.0	0.0	0.0	0.0
Grand Mean									7.0	7.0	7.0	7.0
Bartlett's X2									0.0	0.0	0.0	0.0
P(Bartlett's X2)								
Friedman's X2									0.0	0.0	0.0	0.0
P(Friedman's X2)									1.00	1.00	1.00	1.00
Replicate F									0.000	0.000	0.000	0.000
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000
Treatment F									0.000	0.000	0.000	0.000
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000

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.

Trial Comments