

North Carolina State University

Blackberry Control in Pastures

Trial ID: 02-D43

Study Dir.: Travis Gannon

Location: Alamance County

Investigator: Fred Yelverton

GENERAL TRIAL INFORMATION

Study Director: Travis Gannon **Title:** Research Associate
Affiliation: North Carolina State University
Postal Code: 27695
Investigator: Fred Yelverton **Title:** Professor
Affiliation: North Carolina State University
Postal Code: 27695

TRIAL LOCATION

City: Liberty **Trial Status:** Completed
State/Prov.: NC
Postal Code: 27298 **Initiation Date:** 05-28-02
Country: USA

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	RUB	blackberry	Rubus ssp.

SITE AND DESIGN

Plot Width, Unit: 8 FT **Plot Length, Unit:** 8 FT **Reps:** 3
Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A
Application Date:	05-28-02
Time of Day:	11-12NOON
Application Method:	SPRAY
Application Timing:	MAY 28
Applic. Placement:	FOLIAR
Air Temp., Unit:	83.8 F
% Relative Humidity:	35
Wind Velocity, Unit:	0.8 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	80 F
Soil Moisture:	DRY
% Cloud Cover:	20

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	RUB
Stage Scale:	E. BLOOM

APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 SPRAY
Nozzle Size:	#5 orifice

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								BRAMBLE CONTROL	BRAMBLE CONTROL		
								%	%		
								06-14-02	07-12-02		
								17 DA-A	45 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code		
1	Remedy X-77	4	L	0.5	% V/V			MAY 28 A		93.3 a	100.0 a
			L	0.25	% V/V			MAY 28 A			
2	Redeem R&P X-77	3	L	0.5	% V/V			MAY 28 A		93.3 a	100.0 a
			L	0.25	% V/V			MAY 28 A			
3	Weedmaster X-77	3.87	L	0.8	% V/V			MAY 28 A		18.3 b	30.0 b
			L	0.25	% V/V			MAY 28 A			
4	Nontreated									0.0 c	0.0 c
LSD (P=.05)								4.99	8.65		
Standard Deviation								2.50	4.33		
CV								4.88	7.53		
Bartlett's X2								0.0	0.0		
P(Bartlett's X2)								1.00	0.00*		
Replicate F								1.000	1.000		
Replicate Prob(F)								0.4219	0.4219		
Treatment F								1160.333	409.333		
Treatment Prob(F)								0.0001	0.0001		

Means followed by same letter do not significantly differ (P=.05, LSD)

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Trial Comments

5-28-02 - patches of blackberries ranged in size , spray to wet application assuming a spray volume of 75GPA, spraying 1500 mls per plot averaging 225 ft². Treatments calculated as broadcast rates were as follows: 1) Remedy 1.5 qt/a + X-77 0.25 % v/v, 2) Redeem R&P 1.5 qt/a + X-77 0.25 % v/v, and 3) Weedmaster 5 pt/a + X-77 0.25 % v/v.