

North Carolina State University

Henbit Control in Utility Turf

Trial ID: 02-D09 Study Dir.: Travis Gannon
Location: Lake Wheeler Farm 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: Raleigh **Trial Status:** Completed
State/Prov.: NC
Postal Code: 27695 **Initiation Date:** 03-05-02
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.	LAMAM	henbit	Lamium amplexicaule

Crop 1: CYNDA bermudagrass

SITE AND DESIGN

Plot Width, Unit: 5 FT **Plot Length, Unit:** 10 FT **Reps:** 4
Study Design: RANDOMIZED COMPLETE BLOCK

APPLICATION DESCRIPTION

	A
Application Date:	03-05-02
Time of Day:	3-4 PM
Application Method:	SPRAY
Application Timing:	POST
Applic. Placement:	FOLIAR
Air Temp., Unit:	49.9 F
% Relative Humidity:	27
Wind Velocity, Unit:	4.3 MPH
Dew Presence (Y/N):	N
Soil Temp., Unit:	48 F
Soil Moisture:	GOOD
% Cloud Cover:	0

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CYNDA UNMOWED
Stage Scale:	DORMANT

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	LAMAM FLOWER
Stage Scale:	4-8" HT
Density, Unit:	0-5 FT ²

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APPLICATION EQUIPMENT

	A
Appl. Equipment:	CO2 SPRAY
Operating Pressure:	42 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, Unit:	32.5 GPA
Propellant:	COMP. CO2

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Weed Code										LAMAM	LAMAM	LAMAM	
Rating Data Type										CONTROL	CONTROL	CONTROL	
Rating Unit										%	%	%	
Rating Date										03-14-02	03-20-02	03-27-02	
Trt-Eval Interval										9 DA-A	15 DA-A	22 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate	Grow Unit	Appl Stg	Code			
1	Nontreated										0.0 b	0.0 c	0.0 e
2	Nontreated										0.0 b	0.0 c	0.0 e
3	Nontreated										0.0 b	0.0 c	0.0 e
4	Nontreated										0.0 b	0.0 c	0.0 e
5	Nontreated										0.0 b	0.0 c	0.0 e
6	Trimec Classic	SL		3.5	PT/A				POST	A	5.0 ab	7.5 bc	12.5 b-e
7	Horsepower	4.5	EC	2.5	PT/A				POST	A	5.0 ab	20.0 a	30.0 b
8	Coolpower	3.6	EC	3.0	PT/A				POST	A	6.3 a	12.5 ab	22.5 bcd
9	Millenium Ultra	3.75	SL	2.5	PT/A				POST	A	0.0 b	6.3 bc	10.0 cde
10	Manor X-77	60	WG L	0.33 0.25	OZ/A % V/V				POST POST	A A	0.0 b	3.8 c	73.3 a
11	Manor X-77	60	WG L	0.5 0.25	OZ/A % V/V				POST POST	A A	0.0 b	2.5 c	63.3 a
12	Manor X-77	60	WG L	1 0.25	OZ/A % V/V				POST POST	A A	0.0 b	6.3 bc	78.8 a
13	Confront	L		1	PT/A				POST	A	2.5 ab	5.0 bc	23.8 bc
14	Confront	L		2	PT/A				POST	A	2.5 ab	0.0 c	21.3 bcd
15	Banvel	L		1	PT/A				POST	A	0.0 b	3.8 c	5.0 de
16	Banvel	L		2	PT/A				POST	A	2.5 ab	2.5 c	16.3 b-e
17	Confront Banvel	L L		1 1	PT/A PT/A				POST POST	A A	0.0 b	5.0 bc	15.0 b-e
18	Weedmaster	L		2	PT/A				POST	A	3.8 ab	17.5 a	28.8 b

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Rating Data Type										CONTROL	CONTROL	
Rating Unit										%		
Rating Date										04-02-02	04-12-02	
Trt-Eval Interval										28 DA-A	38 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate	Grow Unit	Appl Stg	Code		
1	Nontreated										0.0 g	0.0 e
2	Nontreated										0.0 g	0.0 e
3	Nontreated										0.0 g	0.0 e
4	Nontreated										0.0 g	0.0 e
5	Nontreated										0.0 g	0.0 e
6	Trimec Classic	SL		3.5	PT/A				POST	A	31.3 def	87.5 ab
7	Horsepower	4.5	EC	2.5	PT/A				POST	A	51.3 cd	63.8 c
8	Coolpower	3.6	EC	3.0	PT/A				POST	A	42.5 cde	73.8 bc
9	Millenium Ultra	3.75	SL	2.5	PT/A				POST	A	22.5 efg	60.0 c
10	Manor X-77	60	WG L	0.33 0.25	OZ/A % V/V				POST POST	A A	88.3 a	95.0 a
11	Manor X-77	60	WG L	0.5 0.25	OZ/A % V/V				POST POST	A A	85.0 ab	93.3 a
12	Manor X-77	60	WG L	1 0.25	OZ/A % V/V				POST POST	A A	91.3 a	95.0 a
13	Confront		L	1	PT/A				POST	A	63.8 bc	68.8 bc
14	Confront		L	2	PT/A				POST	A	28.8 def	70.0 bc
15	Banvel		L	1	PT/A				POST	A	22.5 efg	28.8 d
16	Banvel		L	2	PT/A				POST	A	15.0 fg	20.0 d
17	Confront Banvel		L L	1 1	PT/A PT/A				POST POST	A A	38.8 de	33.8 d
18	Weedmaster		L	2	PT/A				POST	A	42.5 cde	31.3 d

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Trial Comments

4-12-02 - Henbit control ratings discontinued due to naturally dying out.