

# University of GA Coop Ext Service

## Bermudagrass Eradication - 2001, 2002, 2003

Trial ID: HAY0501                      Investigator: David Bridges  
 Location: Griffin                      Study Dir.: Tim R Murphy

### GENERAL TRIAL INFORMATION

**Study Director:** Tim Murphy                      **Title:** Weed Scientist  
**Affiliation:** UGA CAES  
**Other Investigator:** David Bridges                      **Title:** Professor CSS  
**Affiliation:** UGA CAES  
  
**Trial Status:** ARCHIVED                      **Initiation Date:** 8-14-2001  
**City:** Griffin                      **State/Prov.:** GA

### CROP AND PEST DESCRIPTION

**Weed 1.** CYNDA Bermudagrass/Cynodon Dactylon

**Plot Width, Unit:** 10 FT      **Plot Length, Unit:** 15 FT      **Reps:** 3, 2001; 2, 2002, 2003  
**Site Type:** Pasture/hay field                      **Study Design:** RANDOMIZED COMPLETE BLOCK

### APPLICATION DESCRIPTION

	A	B	C	D
<b>Application Date:</b>	8-14-2001	9-14-2001	8-23-2002	10-1-2002
<b>Time of Day:</b>	4:00 pm	10:30 am	10:00 am	11:00 am
<b>Application Method:</b>	Broadcast	Broadcast	Broadcast	Broadcast
<b>Application Timing:</b>	Post	Post	Post	Post
<b>Applic. Placement:</b>	Foliar	Foliar	Foliar	Foliar
<b>Air Temp., Unit:</b>	85 F	76 F	85 F	80 F
<b>% Relative Humidity:</b>	60	70	54	74
<b>Wind Velocity, Unit:</b>	3 mph	2 mph	3.5 mph	2.5 mph
<b>Dew Presence (Y/N):</b>	N	N	N	N
<b>Soil Temp., Unit:</b>	83 F	74 F	84 F	77 F
<b>Soil Moisture:</b>	Good	Poor	Poor	Good
<b>% Cloud Cover:</b>	40	0	5	70

### WEED STAGE AT EACH APPLICATION

	A	B	C	D
<b>Weed 1 CYNDA Stage:</b>	Active	Injured	Injured	Injured
<b>Stage Scale:</b>	5-10"Hght		8-12"Hght	
<b>Density, Unit:</b>	80 %		80 %	

# University of GA Coop Ext Service

APPLICATION EQUIPMENT				
	A	B	C	D
Appl. Equipment:	Backpack	Backpack	Backpack	Backpack
Operating Pressure:	25 psi	25 psi	25 psi	26 psi
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	8003	8003	8003	8004
Nozzle Spacing, Unit:	20 inch	20 inch	20 inch	20 inch
Boom Length, Unit:	5 feet	5 feet	5 feet	5 feet
Boom Height, Unit:	18 inch	18 inch	18 inch	18 inch
Ground Speed, Unit:	3 mph	3 mph	3 mph	3 mph
Carrier:	Water	Water	Water	Water
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA	25 GPA
Propellant:	CO2	CO2	CO2	CO2
Tank Mix (Y/N):	Y	Y	Y	Y

Trt No	Treatment Application Comment
14	8-15-01, Plot#107, got sprayed with treatment #7 by mistake and with #14
2	9-14-01; Trt. 2 was sprayed at 25 gpa instead of 20 gpa

## Trial Comments

12-4-01

Broadcast spray Simazine at 2 qts/A + WeedMaster 3 pints/A over entire area.

3-8-02

Broadcast 2,4,D low volatile Ester at 2 qts/A + 0.25% v/v non ionic surfactant (NIS) to kill wild garlic.

8-23-02

Left 5 feet of plot retreated for application C, and again for application D.

1-28-03

Sprayed entire area with Trimec Classic at 4 pints/A + 0.25% v/v non ionic surfactant (NIS).

8-21-03

Bermudagrass, CYNDA, was not at sufficient density to rate the third rep, so it was dropped for 2002 and 2003.

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Trial ID: HAY0501

Investigator: David Bridges

Location: Griffin

Study Dir.: Tim R Murphy

							CYNDA	CYNDA	CYNDA	CYNDA	CYNDA
							Foliag	Foliag	Foliag	Foliag L	Foliag L
							Control	Control	Control	Control	Control
							0-100	0-100	0-100	0-100	0-100
							9-11-2001	5-15-2002	8-23-2002	10-17-2002	5-23-2003
							28 DA-A	274 DA-A	374 DA-A	429 DA-A	647 DA-A
							0	0	0	0	0
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Grow Unit	Appl Stg Code					
1	Roundup	4	SC	5 qt/a	Aug01	A	98 a	91 ab	55 cde	100 a	100 a
	NIS fb			0.5 % v/v	Aug01	A					
	Roundup	4	SC	5 qt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
2	Roundup	4	SC	2 qt/a	Aug01	A	88 ab	96 ab	60 bcd	100 a	100 a
	NIS fb			0.5 % v/v	Aug01	A					
	Roundup	4	SC	2 qt/a	Sept01	B					
	NIS fb			0.5 % v/v	Sept01	B					
	Roundup	4	SC	2 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					
	Roundup	4	SC	2 qt/a	Sept02	D					
	NIS			0.5 % v/v	Sept02	D					
3	Fusilade DX	2	EC	1.5 pt/a	Aug01	A	88 ab	83 b	23 ef	100 a	100 a
	Roundup	4	SC	3 qt/a	Aug01	A					
	NIS fb			0.5 % v/v	Aug01	A					
	Fusilade DX	2	EC	1.5 pt/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
4	Fusilade DX	2	EC	1.5 pt/a	Aug01	A	90 ab	93 ab	70 a-d	100 a	100 a
	Roundup	4	SC	3 qt/a	Aug01	A					
	NIS fb			0.5 % v/v	Aug01	A					
	Fusilade DX	2	EC	1.5 pt/a	Sept01	B					
	Roundup	4	SC	3 qt/a	Sept01	B					
	NIS fb			0.5 % v/v	Sept01	B					
	Fusilade DX	2	EC	1.5 pt/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					
	Fusilade DX	2	EC	1.5 pt/a	Sept02	D					
	Roundup	4	SC	3 qt/a	Sept02	D					
	NIS			0.5 % v/v	Sept02	D					

# University of GA Coop Ext Service

Weed Code							CYNDA	CYNDA	CYNDA	CYNDA	CYNDA
Part Rated							Foliag	Foliag	Foliag	Foliag L	Foliag L
Rating Data Type							Control	Control	Control	Control	Control
Rating Unit							0-100	0-100	0-100	0-100	0-100
Rating Date							9-11-2001	5-15-2002	8-23-2002	10-17-2002	5-23-2003
Trt-Eval Interval							28 DA-A	274 DA-A	374 DA-A	429 DA-A	647 DA-A
# Subsamples, Dec.							0	0	0	0	0
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate	Grow Unit	Appl Stg Code	1	2	3	4	5
5	Envoy	0.94	EC	34 fl oz/a	Aug01	A	88 ab	93 ab	50 cde	100 a	95 b
	Roundup	4	SC	3 qt/a	Aug01	A					
	NIS fb			0.5 % v/v	Aug01	A					
	Envoy	0.94	EC	34 fl oz/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
6	Envoy	0.94	EC	34 fl oz/a	Aug01	A	88 ab	95 ab	60 bcd	100 a	100 a
	Roundup	4	SC	3 qt/a	Aug01	A					
	NIS fb			0.5 % v/v	Aug01	A					
	Envoy	0.94	EC	34 fl oz/a	Sept01	B					
	Roundup	4	SC	3 qt/a	Sept01	B					
	NIS fb			0.5 % v/v	Sept01	B					
	Envoy	0.94	EC	34 fl oz/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					
	Envoy	0.94	EC	34 fl oz/a	Sept02	D					
	Roundup	4	SC	3 qt/a	Sept02	D					
	NIS			0.5 % v/v	Sept02	D					
7	Arsenal	4	AS	1 pt/a	Aug01	A	63 c	99 a	93 ab	98 ab	100 a
	NIS fb			0.5 % v/v	Aug01	A					
	Arsenal	4	AS	1 pt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
8	Arsenal	4	AS	2 pt/a	Aug01	A	60 c	100 a	95 ab	100 a	100 a
	NIS fb			0.5 % v/v	Aug01	A					
	Arsenal	4	AS	2 pt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
9	Chopper fb	2	AS	1 qt/a	Aug01	A	53 c	100 a	85 abc	93 b	100 a
	Chopper	2	AS	1 qt/a	Aug02	C					
10	Chopper fb	2	AS	2 qt/a	Aug01	A	60 c	100 a	100 a	100 a	100 a
	Chopper	2	AS	2 qt/a	Aug02	C					
11	Arsenal	4	AS	1 pt/a	Aug01	A	92 ab	100 a	98 a	100 a	100 a
	Roundup	4	SC	3 qt/a	Aug01	A					
	NIS fb			0.5 % v/v	Aug01	A					
	Arsenal	4	AS	1 pt/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					

University of GA Coop Ext Service

							CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	
							Foliag	Foliag	Foliag	Foliag L	Foliag L	
							Control	Control	Control	Control	Control	
							0-100	0-100	0-100	0-100	0-100	
							9-11-2001	5-15-2002	8-23-2002	10-17-2002	5-23-2003	
							28 DA-A	274 DA-A	374 DA-A	429 DA-A	647 DA-A	
							0	0	0	0	0	
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code					
12	Chopper	2 AS		1 qt/a		Aug01	A	95 ab	100 a	98 a	100 a	
	Roundup fb	4 SC		3 qt/a		Aug01	A					
	Chopper	2 AS		1 qt/a		Aug02	C					
	Roundup fb	4 SC		3 qt/a		Aug02	C					
13	Touchdown	5 EC		5 qt/a		Aug01	A	98 a	88 ab	55 cde	100 a	
	NIS fb			0.5 % v/v		Aug01	A					
	Touchdown	5 EC		5 qt/a		Aug02	C					
	NIS			0.5 % v/v		Aug02	C					
14	Touchdown	5 EC		2 qt/a		Aug01	A	87 b	98 a	85 abc	100 a	
	NIS fb			0.5 % v/v		Aug01	A					
	Touchdown	5 EC		2 qt/a		Sept01	B					
	NIS fb			0.5 % v/v		Sept01	B					
	Touchdown	5 EC		2 qt/a		Aug02	C					
	NIS fb			0.5 % v/v		Aug02	C					
	Touchdown	5 EC		2 qt/a		Sept02	D					
	NIS			0.5 % v/v		Sept02	D					
15	Fusilade DX	2 EC		1.5 pt/a		Aug01	A	92 ab	98 a	65 a-d	100 a	
	Touchdown	5 EC		3 qt/a		Aug01	A					
	NIS fb			0.5 % v/v		Aug01	A					
	Fusilade DX	2 EC		1.5 pt/a		Aug02	C					
	Touchdown	5 EC		3 qt/a		Aug02	C					
	NIS			0.5 % v/v		Aug02	C					
16	Envoy	0.94 EC		1.5 pt/a		Aug01	A	93 ab	93 ab	35 de	100 a	
	Touchdown	5 EC		3 qt/a		Aug01	A					
	NIS fb			0.5 % v/v		Aug01	A					
	Envoy	0.94 EC		1.5 pt/a		Sept01	B					
	Touchdown	5 EC		3 qt/a		Sept01	B					
	NIS fb			0.5 % v/v		Sept01	B					
	Envoy	0.94 EC		1.5 pt/a		Aug02	C					
	Touchdown	5 EC		3 qt/a		Aug02	C					
	NIS fb			0.5 % v/v		Aug02	C					
	Envoy	0.94 EC		1.5 pt/a		Sept02	D					
	Touchdown	5 EC		3 qt/a		Sept02	D					
	NIS			0.5 % v/v		Sept02	D					
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code	1	2	3	4	5
17	Untreated							0 d	0 c	0 f	0 c	0 c
LSD (P=.05)								9.5	11.5	32.6	5.6	4.0
Standard Deviation								5.7	5.4	15.4	2.7	1.9
CV								7.22	6.05	23.27	2.84	2.0
Grand Mean								78.51	89.59	66.18	93.53	93.68
Replicate F								2.452	0.902	9.724	1.662	1.895
Replicate Prob(F)								0.1022	0.3564	0.0066	0.2156	0.1876
Treatment F								57.805	38.060	6.959	165.156	334.684
Treatment Prob(F)								0.0001	0.0001	0.0002	0.0001	0.0001

University of GA Coop Ext Service

							CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	
							Foliag L	Foliag R	Foliag R	Foliag R	Foliag L	
							Control	Control	Control	Control	Density	
							0-100	0-100	0-100	0-100	0-100	
							8-21-2003	10-17-2002	5-23-2003	8-21-2003	5-23-2003	
							737 DA-A	429 DA-A	647 DA-A	737 DA-A	647 DA-A	
							0	0	0	0	0	
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code					
1	Roundup NIS fb	4	SC	5	qt/a	Aug01	A	100 a	45 b-e	60 abc	40 ab	0 b
	Roundup NIS	4	SC	5	qt/a	Aug02	C					
				0.5	% v/v	Aug01	A					
				0.5	% v/v	Aug02	C					
2	Roundup NIS fb	4	SC	2	qt/a	Aug01	A	100 a	60 abc	68 abc	63 ab	0 b
	Roundup NIS fb	4	SC	2	qt/a	Sept01	B					
				0.5	% v/v	Sept01	B					
	Roundup NIS fb	4	SC	2	qt/a	Aug02	C					
				0.5	% v/v	Aug02	C					
	Roundup NIS	4	SC	2	qt/a	Sept02	D					
				0.5	% v/v	Sept02	D					
3	Fusilade DX Roundup NIS fb	2	EC	1.5	pt/a	Aug01	A	90 a	0 e	30 abc	0 b	0 b
	Fusilade DX Roundup NIS	4	SC	3	qt/a	Aug01	A					
				0.5	% v/v	Aug01	A					
	Fusilade DX Roundup NIS	2	EC	1.5	pt/a	Aug02	C					
		4	SC	3	qt/a	Aug02	C					
				0.5	% v/v	Aug02	C					
4	Fusilade DX Roundup NIS fb	2	EC	1.5	pt/a	Aug01	A	100 a	50 a-d	63 abc	45 ab	0 b
	Fusilade DX Roundup NIS	4	SC	3	qt/a	Aug01	A					
				0.5	% v/v	Aug01	A					
	Fusilade DX Roundup NIS	2	EC	1.5	pt/a	Sept01	B					
		4	SC	3	qt/a	Sept01	B					
				0.5	% v/v	Sept01	B					
	Fusilade DX Roundup NIS	2	EC	1.5	pt/a	Aug02	C					
		4	SC	3	qt/a	Aug02	C					
				0.5	% v/v	Aug02	C					
	Fusilade DX Roundup NIS	2	EC	1.5	pt/a	Sept02	D					
		4	SC	3	qt/a	Sept02	D					
				0.5	% v/v	Sept02	D					
5	Envoy Roundup NIS fb	0.94	EC	34	fl oz/a	Aug01	A	90 a	10 de	58 abc	45 ab	3 b
	Envoy Roundup NIS	4	SC	3	qt/a	Aug01	A					
				0.5	% v/v	Aug01	A					
	Envoy Roundup NIS	0.94	EC	34	fl oz/a	Aug02	C					
		4	SC	3	qt/a	Aug02	C					
				0.5	% v/v	Aug02	C					

## University of GA Coop Ext Service

Weed Code							CYNDA Foliag L	CYNDA Foliag R	CYNDA Foliag R	CYNDA Foliag R	CYNDA Foliag L
Part Rated							Control	Control	Control	Control	Density
Rating Data Type							0-100	0-100	0-100	0-100	0-100
Rating Unit							8-21-2003	10-17-2002	5-23-2003	8-21-2003	5-23-2003
Rating Date							737 DA-A	429 DA-A	647 DA-A	737 DA-A	647 DA-A
Trt-Eval Interval							0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Grow Unit	Appl Stg	Code				
6	Envoy	0.94	EC	34 fl oz/a	Aug01	A		98 a	55 a-d	70 abc	60 ab
	Roundup	4	SC	3 qt/a	Aug01	A					0 b
	NIS fb			0.5 % v/v	Aug01	A					
	Envoy	0.94	EC	34 fl oz/a	Sept01	B					
	Roundup	4	SC	3 qt/a	Sept01	B					
	NIS fb			0.5 % v/v	Sept01	B					
	Envoy	0.94	EC	34 fl oz/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					
	Envoy	0.94	EC	34 fl oz/a	Sept02	D					
	Roundup	4	SC	3 qt/a	Sept02	D					
	NIS			0.5 % v/v	Sept02	D					
7	Arsenal	4	AS	1 pt/a	Aug01	A		100 a	65 abc	60 abc	58 ab
	NIS fb			0.5 % v/v	Aug01	A					0 b
	Arsenal	4	AS	1 pt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
8	Arsenal	4	AS	2 pt/a	Aug01	A		100 a	90 ab	95 ab	80 a
	NIS fb			0.5 % v/v	Aug01	A					0 b
	Arsenal	4	AS	2 pt/a	Aug02	C					
	NIS			0.5 % v/v	Aug02	C					
9	Chopper fb	2	AS	1 qt/a	Aug01	A		98 a	85 ab	78 ab	53 ab
	Chopper	2	AS	1 qt/a	Aug02	C					0 b
10	Chopper fb	2	AS	2 qt/a	Aug01	A		98 a	95 a	100 a	100 a
	Chopper	2	AS	2 qt/a	Aug02	C					0 b
11	Arsenal	4	AS	1 pt/a	Aug01	A		99 a	90 ab	100 a	99 a
	Roundup	4	SC	3 qt/a	Aug01	A					0 b
	NIS fb			0.5 % v/v	Aug01	A					
	Arsenal	4	AS	1 pt/a	Aug02	C					
	Roundup	4	SC	3 qt/a	Aug02	C					
	NIS fb			0.5 % v/v	Aug02	C					
12	Chopper	2	AS	1 qt/a	Aug01	A		100 a	85 ab	80 ab	65 ab
	Roundup fb	4	SC	3 qt/a	Aug01	A					0 b
	Chopper	2	AS	1 qt/a	Aug02	C					
	Roundup fb	4	SC	3 qt/a	Aug02	C					

## University of GA Coop Ext Service

Weed Code							CYNDA	CYNDA	CYNDA	CYNDA	CYNDA	
Part Rated							Foliag L	Foliag R	Foliag R	Foliag R	Foliag L	
Rating Data Type							Control	Control	Control	Control	Density	
Rating Unit							0-100	0-100	0-100	0-100	0-100	
Rating Date							8-21-2003	10-17-2002	5-23-2003	8-21-2003	5-23-2003	
Trt-Eval Interval							737 DA-A	429 DA-A	647 DA-A	737 DA-A	647 DA-A	
# Subsamples, Dec.							0	0	0	0	0	
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code					
13	Touchdown NIS fb	5 EC		5 qt/a		Aug01	A	73 b	35 cde	25 bc	0 b	50 a
	Touchdown NIS	5 EC		5 qt/a	0.5 % v/v	Aug02	C					
14	Touchdown NIS fb	5 EC		2 qt/a		Aug01	A	99 a	48 bcd	53 abc	45 ab	0 b
	Touchdown NIS fb	5 EC		2 qt/a	0.5 % v/v	Sept01	B					
	Touchdown NIS fb	5 EC		2 qt/a	0.5 % v/v	Aug02	C					
	Touchdown NIS	5 EC		2 qt/a	0.5 % v/v	Sept02	D					
15	Fusilade DX	2 EC		1.5 pt/a		Aug01	A	93 a	0 e	53 abc	43 ab	0 b
	Touchdown NIS fb	5 EC		3 qt/a	0.5 % v/v	Aug01	A					
	Fusilade DX	2 EC		1.5 pt/a		Aug02	C					
	Touchdown NIS	5 EC		3 qt/a	0.5 % v/v	Aug02	C					
16	Envoy	0.94 EC		1.5 pt/a		Aug01	A	88 a	30 cde	45 abc	0 b	1 b
	Touchdown NIS fb	5 EC		3 qt/a	0.5 % v/v	Aug01	A					
	Envoy	0.94 EC		1.5 pt/a		Sept01	B					
	Touchdown NIS fb	5 EC		3 qt/a	0.5 % v/v	Sept01	B					
	Envoy	0.94 EC		1.5 pt/a		Aug02	C					
	Touchdown NIS fb	5 EC		3 qt/a	0.5 % v/v	Aug02	C					
	Envoy	0.94 EC		1.5 pt/a		Sept02	D					
	Touchdown NIS	5 EC		3 qt/a	0.5 % v/v	Sept02	D					
17	Untreated							0 c	0 e	0 c	0 b	70 a
	LSD (P=.05)							11.3	40.1	64.1	67.0	36.9
	Standard Deviation							5.3	18.8	30.2	31.6	17.4
	CV							5.94	37.97	49.68	67.67	239.39
	Grand Mean							89.59	49.56	60.88	46.71	7.26
	Replicate F							0.936	2.544	2.173	3.774	1.242
	Replicate Prob(F)							0.3477	0.1316	0.1598	0.0699	0.2816
	Treatment F							41.308	6.275	1.551	2.051	2.691
	Treatment Prob(F)							0.0001	0.0005	0.1947	0.0808	0.0280



## University of GA Coop Ext Service

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code	
Weed Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval # Subsamples, Dec.								CYNDA Foliag R Density 0-100 5-23-2003 647 DA-A 0
1	Roundup NIS fb Roundup NIS	4	SC	5	qt/a % v/v qt/a % v/v	Aug01 Aug01 Aug02 Aug02	A A C C	23 ab
2	Roundup NIS fb Roundup NIS fb Roundup NIS fb Roundup NIS	4	SC	2	qt/a % v/v qt/a % v/v qt/a % v/v qt/a % v/v	Aug01 Aug01 Sept01 Sept01 Aug02 Aug02 Sept02 Sept02	A A B B C C D D	18 ab
3	Fusilade DX Roundup NIS fb Fusilade DX Roundup NIS	2	EC	1.5	pt/a qt/a % v/v pt/a qt/a % v/v	Aug01 Aug01 Aug01 Aug02 Aug02 Aug02	A A A C C C	40 ab
4	Fusilade DX Roundup NIS fb Fusilade DX Roundup NIS fb Fusilade DX Roundup NIS fb Fusilade DX Roundup NIS	2	EC	1.5	pt/a qt/a % v/v pt/a qt/a % v/v pt/a qt/a % v/v pt/a qt/a % v/v	Aug01 Aug01 Aug01 Sept01 Sept01 Sept01 Aug02 Aug02 Aug02 Sept02 Sept02 Sept02	A A A B B B C C C D D D	31 ab
5	Envoy Roundup NIS fb Envoy Roundup NIS	0.94	EC	34	fl oz/a qt/a % v/v fl oz/a qt/a % v/v	Aug01 Aug01 Aug01 Aug02 Aug02 Aug02	A A A C C C	40 ab

## University of GA Coop Ext Service

Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code	
Weed Code Part Rated Rating Data Type Rating Unit Rating Date Trt-Eval Interval # Subsamples, Dec.								CYNDA Foliag R Density 0-100 5-23-2003 647 DA-A 0
6	Envoy	0.94	EC	34	fl oz/a	Aug01	A	18 ab
	Roundup	4	SC	3	qt/a	Aug01	A	
	NIS fb			0.5	% v/v	Aug01	A	
	Envoy	0.94	EC	34	fl oz/a	Sept01	B	
	Roundup	4	SC	3	qt/a	Sept01	B	
	NIS fb			0.5	% v/v	Sept01	B	
	Envoy	0.94	EC	34	fl oz/a	Aug02	C	
	Roundup	4	SC	3	qt/a	Aug02	C	
	NIS fb			0.5	% v/v	Aug02	C	
	Envoy	0.94	EC	34	fl oz/a	Sept02	D	
	Roundup	4	SC	3	qt/a	Sept02	D	
	NIS			0.5	% v/v	Sept02	D	
7	Arsenal	4	AS	1	pt/a	Aug01	A	23 ab
	NIS fb			0.5	% v/v	Aug01	A	
	Arsenal	4	AS	1	pt/a	Aug02	C	
	NIS			0.5	% v/v	Aug02	C	
8	Arsenal	4	AS	2	pt/a	Aug01	A	4 b
	NIS fb			0.5	% v/v	Aug01	A	
	Arsenal	4	AS	2	pt/a	Aug02	C	
	NIS			0.5	% v/v	Aug02	C	
9	Chopper fb	2	AS	1	qt/a	Aug01	A	18 ab
	Chopper	2	AS	1	qt/a	Aug02	C	
10	Chopper fb	2	AS	2	qt/a	Aug01	A	0 b
	Chopper	2	AS	2	qt/a	Aug02	C	
11	Arsenal	4	AS	1	pt/a	Aug01	A	0 b
	Roundup	4	SC	3	qt/a	Aug01	A	
	NIS fb			0.5	% v/v	Aug01	A	
	Arsenal	4	AS	1	pt/a	Aug02	C	
	Roundup	4	SC	3	qt/a	Aug02	C	
	NIS fb			0.5	% v/v	Aug02	C	
12	Chopper	2	AS	1	qt/a	Aug01	A	15 ab
	Roundup fb	4	SC	3	qt/a	Aug01	A	
	Chopper	2	AS	1	qt/a	Aug02	C	
	Roundup fb	4	SC	3	qt/a	Aug02	C	

**University of GA Coop Ext Service**

Weed Code							CYNDA		
Part Rated							Foliag R		
Rating Data Type							Density		
Rating Unit							0-100		
Rating Date							5-23-2003		
Trt-Eval Interval							647 DA-A		
# Subsamples, Dec.							0		
Trt No.	Treatment Name	Form Amt	Fm Ds	Rate Rate	Unit	Grow Stg	Appl Code		
13	Touchdown	5	EC	5	qt/a	Aug01	A	50 ab	
	NIS fb			0.5	% v/v	Aug01	A		
	Touchdown	5	EC	5	qt/a	Aug02	C		
	NIS			0.5	% v/v	Aug02	C		
14	Touchdown	5	EC	2	qt/a	Aug01	A	35 ab	
	NIS fb			0.5	% v/v	Aug01	A		
	Touchdown	5	EC	2	qt/a	Sept01	B		
	NIS fb			0.5	% v/v	Sept01	B		
	Touchdown	5	EC	2	qt/a	Aug02	C		
	NIS fb			0.5	% v/v	Aug02	C		
	Touchdown	5	EC	2	qt/a	Sept02	D		
	NIS			0.5	% v/v	Sept02	D		
15	Fusilade DX	2	EC	1.5	pt/a	Aug01	A	35 ab	
	Touchdown	5	EC	3	qt/a	Aug01	A		
	NIS fb			0.5	% v/v	Aug01	A		
	Fusilade DX	2	EC	1.5	pt/a	Aug02	C		
	Touchdown	5	EC	3	qt/a	Aug02	C		
	NIS			0.5	% v/v	Aug02	C		
16	Envoy	0.94	EC	1.5	pt/a	Aug01	A	48 ab	
	Touchdown	5	EC	3	qt/a	Aug01	A		
	NIS fb			0.5	% v/v	Aug01	A		
	Envoy	0.94	EC	1.5	pt/a	Sept01	B		
	Touchdown	5	EC	3	qt/a	Sept01	B		
	NIS fb			0.5	% v/v	Sept01	B		
	Envoy	0.94	EC	1.5	pt/a	Aug02	C		
	Touchdown	5	EC	3	qt/a	Aug02	C		
	NIS fb			0.5	% v/v	Aug02	C		
	Envoy	0.94	EC	1.5	pt/a	Sept02	D		
	Touchdown	5	EC	3	qt/a	Sept02	D		
	NIS			0.5	% v/v	Sept02	D		
17	Untreated								68 a
LSD (P=.05)									55.2
Standard Deviation								26.0	
CV								95.81	
Grand Mean								27.18	
Replicate F								1.913	
Replicate Prob(F)								0.1856	
Treatment F								1.021	
Treatment Prob(F)								0.4838	

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