

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Trial ID: Turf16-03

Study Dir. : Bill Nutt

Location: Griffin

Investigator: Tim R Murphy

GENERAL TRIAL INFORMATION

Study Director: Bill Nutt

Title: ARCI

Affiliation: UGA CAES

Investigator: Tim R Murphy

Title: Weed Scientist

Affiliation: UGA CAES

TRIAL LOCATION

City: Griffin

Trial Status: ONE-YEAR/FINAL

State/Prov. : GA

Postal Code: 30223

Initiation Date: 3-3-2003

COOPERATOR/LANDOWNER

Cooperator: Darin Lickfeldt

Org: DowAgrosciences

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	CERVU	CHICKWEED, MOUSEEAR	CERASTIUM VULGATUM L.
2.	APHAR	PIERT, PARSLEY	APHANES MICROCARPA
3.	SCRAN	KNAWEL	SCLERANTHUS ANNUUS L.
4.	TRFAU	CLOVER, HOP	TRIFOLIUM AUREUM POLL.
5.	GNAZZ	CUDWEED	GNAPHALIUM SP.
6.	BLUETS	BLUETS	HOUSTONIA SP.
7.	COPDI	SWINECRESS	CORONOPUS DIDYMUS
8.	VERAR	SPEEDWELL, CORN	VERONICA ARVENSIS L.
9.	MODCA	MALLOW, BRISTLY	MODIOLA CAROLINIANA
10.	TRFRE	CLOVER, WHITE	TRIFOLIUM REPENS L.

SITE AND DESIGN

Plot Width, Unit: 6 FT Plot Length, Unit: 10 FT Reps: 4

Site Type: fallow, no turf present Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: Site mowed once per week at 2.0 inches with rotary mower.
Clippings returned to site.

APPLICATION DESCRIPTION

	A
Application Date:	3-3-2003
Time of Day:	3:55 PM
Application Method:	Broadcast
Application Timing:	Post
Applic. Placement:	Foliar
Air Temp., Unit:	55 F
% Relative Humidity:	40
Wind Velocity, Unit:	1.9 mph
Dew Presence (Y/N):	N
Soil Temp., Unit:	52 F
Soil Moisture:	High
% Cloud Cover:	98

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	CERVU Early Bloom
Weed 2 Code, Stage:	APHAR
Stage Scale:	1-4" Dia
Weed 3 Code, Stage:	SCRAN
Stage Scale:	2-4" Dia
Weed 4 Code, Stage:	TRFAU
Stage Scale:	2-8" Dia
Weed 5 Code, Stage:	GNAZZ
Stage Scale:	1-4" Dia
Weed 6 Code, Stage:	BLUET Full Bloom
Weed 7 Code, Stage:	COPDI
Stage Scale:	2-8" Dia

APPLICATION EQUIPMENT

	A
Appl. Equipment:	Backpack
Operating Pressure:	26 psi
Nozzle Type:	Flat fan
Nozzle Size:	8004
Nozzle Spacing, Unit:	20 inch
Boom Length, Unit:	5 feet
Boom Height, Unit:	19 inch
Ground Speed, Unit:	3 mph
Carrier:	Water
Spray Volume, Unit:	25 gpa
Propellant:	CO2
Tank Mix (Y/N):	N

Trial Comments

3-4-03: Sprayed Envoy to suppress annual bluegrass over entire test area
 4-14-03: Mouseear chickweed and bluets had died out in untreated check plots and were not rated on this date.
 Bristly mallow starting to emerge on test site.
 5-13-03: Parsley-piert and corn speedwell had died in untreated check. No data recorded.

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Winter Annual Broadleaf Control with Postemergence Herbicides

Trial ID: Turf16-03

Study Dir. : Bill Nutt

Location: Griffin

Investigator: Tim R Murphy

Weed Code							CERVU	CERVU	APHAR	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							3-3-2003	3-31-2003	3-3-2003	
Trt-Eval Interval							0 DA-A	28 DA-A	0 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	11 a	6 bc	26 a
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	14 a	4 c	26 a
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	11 a	3 c	23 ab
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	9 a	1 c	23 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	10 a	4 c	23 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	13 a	2 c	18 b
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	13 a	1 c	21 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	11 a	4 c	18 b
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	10 a	10 ab	21 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	11 a	1 c	19 ab
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	14 a	15 a	21 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	10 a	3 c	20 ab
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	11 a	2 c	25 ab
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	10 a	3 c	23 ab
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	10 a	3 c	20 ab
16	Untreated Check							15 a	13 a	24 ab
LSD (P=.05)								6.5	5.4	7.0
Standard Deviation								4.5	3.8	4.9
CV								39.87	82.36	22.54

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

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							APHAR	APHAR	SCRAN	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							3-31-2003	4-14-2003	3-3-2003	
Trt-Eval Interval							28 DA-A	42 DA-A	0 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	21 ab	13 a-d	6 a
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	19 abc	15 a-d	5 ab
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	15 a-d	11 b-e	4 ab
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	15 a-d	13 a-d	6 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	23 a	15 a-d	5 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	20 abc	18 abc	4 ab
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	19 abc	15 a-d	3 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	8 de	7 def	2 b
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	21 ab	18 abc	3 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	13 cd	10 c-f	3 ab
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	21 ab	19 abc	3 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	20 abc	20 ab	3 ab
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	14 bcd	10 b-f	2 b
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5 0.125	pt/a pt/a % v/v	Active Active Active	A A A	0 f	2 f	3 ab
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	4 ef	3 ef	3 ab
16	Untreated Check							20 abc	23 a	3 ab
LSD (P=.05)							7.0	8.6	2.8	
Standard Deviation							4.9	6.0	2.0	
CV							31.07	46.24	57.2	

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

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Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							SCRAN	SCRAN	SCRAN	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							3-31-2003	4-14-2003	5-7-2003	
Trt-Eval Interval							28 DA-A	42 DA-A	65 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	5 ab	11 ab	13 ab
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	5 ab	8 abc	11 ab
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	3 ab	5 bc	6 ab
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	8 ab	6 bc	6 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	6 ab	10 abc	11 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	3 ab	2 c	3 b
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	2 ab	1 c	1 b
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	1 b	1 c	0 b
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	2 ab	4 bc	3 b
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	4 ab	4 bc	4 b
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	4 ab	3 bc	12 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	4 ab	4 bc	6 ab
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	5 ab	1 c	1 b
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5 0.125	pt/a pt/a % v/v	Active Active Active	A A A	6 ab	8 abc	10 ab
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	10 a	15 a	19 a
16	Untreated Check							4 ab	6 bc	8 ab
LSD (P=.05)							7.0	8.1	11.8	
Standard Deviation							4.9	5.7	8.2	
CV							111.91	103.22	116.13	

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

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Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							TRFAU	TRFAU	TRFAU	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							3-3-2003	3-31-2003	4-14-2003	
Trt-Eval Interval							0 DA-A	28 DA-A	42 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	12 ab	8 bc	9 bc
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	6 b	4 bc	3 bcd
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	8 b	8 bc	1 d
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	11 ab	1 c	0 d
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	11 ab	7 bc	10 b
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	9 ab	4 bc	7 bcd
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	18 a	6 bc	1 cd
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	7 b	2 c	0 d
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	10 ab	0 c	0 d
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	8 b	1 c	0 d
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	10 ab	0 c	1 d
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	9 ab	0 c	1 cd
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	9 ab	0 c	0 d
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active Active	A A A	13 ab	0 c	0 d
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	11 ab	13 ab	0 d
16	Untreated Check							13 ab	16 a	19 a
LSD (P=.05)							7.9	7.3	7.0	
Standard Deviation							5.5	5.1	4.9	
CV							54.29	120.85	154.91	

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

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							TRFAU	GNAZZ	GNAZZ	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							5-7-2003	3-3-2003	3-31-2003	
Trt-Eval Interval							65 DA-A	0 DA-A	28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	10 b	11 abc	3 ab
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	4 b	9 bc	2 ab
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	1 b	11 abc	11 a
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	1 b	6 c	1 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	21 a	9 bc	4 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	5 b	13 ab	5 ab
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	2 b	10 abc	4 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	1 b	11 abc	6 ab
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	0 b	13 ab	1 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	0 b	15 a	2 ab
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	0 b	10 abc	3 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	1 b	13 ab	3 ab
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	0 b	10 abc	2 ab
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5 0.125	pt/a pt/a % v/v	Active Active Active	A A A	0 b	13 ab	1 b
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	1 b	11 abc	2 ab
16	Untreated Check							29 a	10 abc	6 ab
LSD (P=.05)							9.2	5.2	8.3	
Standard Deviation							6.4	3.6	5.8	
CV							135.04	33.5	169.94	
Grand Mean							4.75	10.86	3.42	

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

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Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							GNAZZ	GNAZZ	BLUET	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							4-14-2003	5-7-2003	3-3-2003	
Trt-Eval Interval							42 DA-A	65 DA-A	0 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	3 b	8 bcd	4 ab
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	0 b	5 cde	8 a
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	1 b	4 cde	5 ab
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	1 b	3 cde	6 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	4 ab	11 ab	4 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	5 ab	9 abc	6 ab
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	3 b	7 bcd	2 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	3 b	8 bcd	4 ab
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	0 b	0 e	3 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	1 b	2 de	2 ab
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	0 b	2 de	3 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	2 b	14 a	2 ab
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	2 b	3 cde	3 ab
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	1 b	5 cde	2 ab
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	1 b	8 bcd	2 b
16	Untreated Check							8 a	11 ab	2 ab
LSD (P=.05)							4.0	5.5	4.7	
Standard Deviation							2.8	3.9	3.3	
CV							141.35	63.73	90.49	

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

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Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							BLUET	COPDI	COPDI	
Part Rated							Foliag	Foliag	Foliag	
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							3-31-2003	3-3-2003	3-31-2003	
Trt-Eval Interval							28 DA-A	0 DA-A	28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	6 ab	3 a	0 c
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	1 cd	4 a	1 bc
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	0 d	5 a	0 c
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	0 d	4 a	0 c
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	6 ab	4 a	8 a
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	8 a	4 a	3 bc
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	5 abc	4 a	0 c
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	2 cd	4 a	3 bc
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	3 bcd	6 a	4 abc
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	0 d	4 a	0 c
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	1 cd	4 a	0 c
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	0 d	4 a	0 c
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	0 d	3 a	0 c
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	0 d	3 a	1 c
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	0 d	5 a	0 c
16	Untreated Check							6 ab	5 a	5 ab
LSD (P=.05)							3.7	3.5	4.1	
Standard Deviation							2.6	2.5	2.9	
CV							112.97	59.89	192.48	

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

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							COPDI	COPDI	VERAR	
Part Rated							Foliag	Foliag		
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							4-14-2003	5-7-2003	3-31-2003	
Trt-Eval Interval							42 DA-A	65 DA-A	28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	0 c	0 b	11 a
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	1 c	0 b	11 a
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	0 c	0 b	11 a
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	0 c	0 b	5 a-d
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	3 bc	3 ab	10 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	1 c	0 b	11 a
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	1 c	0 b	9 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	5 abc	2 ab	4 a-d
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	6 ab	4 ab	8 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	0 c	0 b	6 a-d
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	0 c	0 b	11 a
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	0 c	0 b	0 d
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	0 c	0 b	1 cd
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	3 bc	2 ab	5 a-d
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	0 c	0 b	3 bcd
16	Untreated Check							8 a	6 a	8 abc
LSD (P=.05)							4.4	4.4	6.2	
Standard Deviation							3.1	3.1	4.3	
CV							184.1	289.24	60.27	

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

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Weed Code							VERAR	MODCA	MODCA	
Part Rated										
Rating Data Type							Density	Density	Density	
Rating Unit							0-100	0-100	0-100	
Rating Date							4-14-2003	4-14-2003	5-7-2003	
Trt-Eval Interval							42 DA-A	42 DA-A	65 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code			
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	6 ab	3 a	20 a
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	10 ab	3 a	9 ab
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	5 ab	11 a	20 a
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	10 ab	10 a	17 ab
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	9 ab	5 a	5 ab
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	5 ab	4 a	13 ab
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	11 ab	8 a	15 ab
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5 0.015	pt/a oz wt/a	Active Active	A A	5 ab	2 a	5 ab
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	6 ab	3 a	7 ab
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	9 ab	4 a	7 ab
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	13 a	5 a	5 ab
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	4 b	1 a	2 b
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	8 ab	1 a	2 b
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	4 ab	5 a	8 ab
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	3 b	8 a	8 ab
16	Untreated Check							8 ab	4 a	8 ab
LSD (P=.05)							7.3	8.3	13.8	
Standard Deviation							5.1	5.8	9.5	
CV							70.89	125.55	101.27	

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

University of GA Coop Ext Service

Winter Annual Broadleaf Control with Postemergence Herbicides

Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
	Weed Code							TRFRE
	Part Rated							
	Rating Data Type							Density
	Rating Unit							0-100
	Rating Date							5-7-2003
	Trt-Eval Interval							65 DA-A
1	Bastion T (flurox + MCPP)	3.1	EW	1.0	pt/a	Active	A	5 bc
2	Bastion T (flurox + MCPP)	3.1	EW	1.5	pt/a	Active	A	2 bc
3	Bastion T (flurox + MCPP)	3.1	EW	2.0	pt/a	Active	A	0 c
4	Bastion T (flurox + MCPP)	3.1	EW	2.5	pt/a	Active	A	0 c
5	Vista (fluroxypyr)	1.5	EC	0.5	pt/a	Active	A	13 a
6	Vista (fluroxypyr)	1.5	EC	1.0	pt/a	Active	A	9 ab
7	Vista (fluroxypyr)	1.5	EC	2.0	pt/a	Active	A	0 c
8	Vista (fluroxypyr) + Manor	1.5 60	EC WG	1.5	pt/a oz wt/a	Active	A	1 c
9	Lontrel T & O	3.0	SL	1.33	pt/a	Active	A	0 c
10	Momentum Fluroxypyr		SL	3.0	pt/a	Active	A	1 c
11	Momentum Clopyralid		SL	3.0	pt/a	Active	A	0 c
12	SpeedZone St. Aug.	0.81	SL	5.0	pt/a	Active	A	1 c
13	PowerZone	2.91	SL	4.0	pt/a	Active	A	0 c
14	Vista + XDE-638 + Nonionic Surfactant	1.5	EC SL	1.0 0.5	pt/a pt/a	Active Active	A A	0 c
15	XDE-638 + Nonionic Surfactant		SL	0.5 0.125	pt/a % v/v	Active Active	A A	0 c
16	Untreated Check							7 abc
	LSD (P=.05)							6.8
	Standard Deviation							4.8
	CV							200.9

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