

University of GA Coop Ext Service

Winter and Summer Annual Weed Control with Flazasulfuron Herbicide Combinations

Trial ID: Turf9-03

Study Dir. : Bill Nutt

Location: Griffin

Investigator: Tim R Murphy

GENERAL TRIAL INFORMATION

Study Director: Bill Nutt

Title: ARC I

Affiliation: UGA-CAES

Investigator: Tim R Murphy

Title: Weed Scientist

Affiliation: UGA-CAES

TRIAL LOCATION

City: Griffin

Trial Status: 1 year/Final

State/Prov. : GA

Initiation Date: 2-20-2003

COOPERATOR/LANDOWNER

Cooperator: Mel Grove

Org: ISK BioSciences

City: Houston

State/Prov: TX

CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	STEME	Common chickweed	<i>Stellaria media</i>
2.	LAMAM	Henbit	<i>Lamium amplexicaule</i>
3.	CERVU	Chickweed, mouse-ear	<i>Cerastium vulgatum</i>
4.	APHAR	Parsley-piert	<i>Aphanes arvensis</i>
5.	ALLVI	Garlic, wild	<i>Allium vineale</i>
6.	VERAR	Corn speedwell	<i>Veronica arvensis</i>
7.	CARHI	Bittercress, hairy	<i>Cardamine hirsuta</i>
8.	PLALA	Buckhorn plantain	<i>Plantago lanceolata</i>
9.	VIORA	Pansy, field	<i>Viola rafinesquii</i>
10.	TRFRE	Clover, White	<i>Trifolium, repens</i>
11.	DIGSS	Crabgrass spp.	<i>Digitaria spp.</i>

Crop 1: CYNDA Bermudagrass/*Cynodon Dactylon* Variety: Common Perennial Age: 20 YEAR

SITE AND DESIGN

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

Site Type: Simulated home lawn Study Design: RANDOMIZED COMPLETE BLOCK

MAINTENANCE

Field Prep./Maintenance: Irrigated site. Mowed at 2.0 inches with rotary mower.

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APPLICATION DESCRIPTION

	A
Application Date:	2-20-2003
Time of Day:	1:30 pm
Application Method:	Broadcast
Application Timing:	Pre/Post
Applic. Placement:	Soil/Foliar
Air Temp., Unit:	64 F
% Relative Humidity:	47
Wind Velocity, Unit:	1.3 mph
Dew Presence (Y/N):	N
Soil Temp., Unit:	52 F
Soil Moisture:	High
% Cloud Cover:	30

CROP STAGE AT EACH APPLICATION

	A
Crop 1 Code, Stage:	CYNDA Dormant

WEED STAGE AT EACH APPLICATION

	A
Weed 1 Code, Stage:	STEME Early Bloom
Stage Scale:	1.5"Hght
Density, Unit:	5 %
Weed 2 Code, Stage:	LAMAM Bloom
Stage Scale:	4"Hght Seed stalk
Density, Unit:	15 %
Weed 3 Code, Stage:	CERVU No Bloom
Stage Scale:	2-3"Dia
Density, Unit:	25 %
Weed 4 Code, Stage:	APHAR Active Growth
Stage Scale:	1-2"Dia
Density, Unit:	10 %
Weed 5 Code, Stage:	ALLVI Active Growth
Stage Scale:	3-5"Hght
Density, Unit:	15 %
Weed11 Code, Stage:	DIGSS
Density, Unit:	0 %

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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:	C02
Tank Mix (Y/N):	Y

Trial Comments

5-12-03

No crabgrass observed in untreated check plots. All winter annual weeds had died in test area.

6-17-03

No crabgrass observed in untreated check plots. No bermudagrass injury observed.

7-15-03

Crabgrass consisted of a mixture of southern crabgrass (*Digitaria ciliaris*) and smooth crabgrass (*Digitaria ischaemum*). Data recorded as crabgrass spp. (DIGSS) control.

No bermuda injury observed.

8-14-03

No bermuda injury observed.

WEED DENSITY RATINGS FOR UNTREATED CONTROL CHECK

	113	210	308	413
STEME, 3-5-03	5	5	5	2
LAMAM	15	15	10	10
STEME	10	35	30	20
APHAR	25	20	20	25
ALLVI	15	15	15	15
STEME, 3-11-03	10	5	5	5
LAMAM	15	10	15	15
APHAR	10	10	15	10
ALLVI	10	10	10	5
VERAR	25	10	10	15
CARHI	10	15	10	20
CERVU	15	25	25	20
VIORA	5	3	5	5
DIGSS, 7-15-03	10	25	10	5
PLALA, 8-14-03	5	10	10	10
TRFRE	10	5	10	60
DIGSS	50	40	35	20

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Winter and Summer Annual Weed Control with Flazasulfuron Herbicide Combinations

Trial ID: Turf9-03

Study Dir.: Bill Nutt

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Trt	Treatment	Form	Form	Product	Product	Grow	Appl	STEME	STEME	CERVU	CERVU	CERVU
No.	Name	Conc	Type	Rate	Rate Unit	Stg	Code					
	Weed Code							STEME	STEME	CERVU	CERVU	CERVU
	Crop Code							Control	Control	Control	Control	Control
	Rating Data Type							0-100	0-100	0-100	0-100	0-100
	Rating Unit							3-5-2003	3-11-2003	3-5-2003	3-11-2003	4-7-2003
	Rating Date							13 DA-A	19 DA-A	13 DA-A	19 DA-A	46 DA-A
	Trt-Eval Interval											
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	65 b	100 a	40 ab	50 a	100 a
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	68 ab	100 a	43 ab	56 a	100 a
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	71 a	100 a	43 ab	55 a	100 a
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	66 ab	100 a	44 ab	53 a	100 a
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	66 ab	100 a	44 ab	55 a	100 a
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	66 ab	100 a	48 a	55 a	100 a
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	66 ab	100 a	39 b	53 a	100 a
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	68 ab	100 a	40 ab	53 a	100 a
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	68 ab	100 a	40 ab	58 a	100 a
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	70 ab	100 a	40 ab	50 a	100 a
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	68 ab	100 a	48 a	55 a	100 a
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	71 a	100 a	44 ab	54 a	100 a
13	Untreated Check							0 c	0 b	0 c	0 b	0 b
	LSD (P=.05)							4.8	0.0	7.1	7.1	0.0
	Standard Deviation							3.4	0.0	5.0	4.9	0.0
	CV							5.38	0.0	12.7	9.96	0.0

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Weed Code							LAMAM	LAMAM	LAMAM	APHAR	APHAR
Crop Code							Control	Control	Control	Control	Control
Rating Data Type							0-100	0-100	0-100	0-100	0-100
Rating Unit							3-5-2003	3-11-2003	4-7-2003	3-5-2003	3-11-2003
Rating Date							13 DA-A	19 DA-A	46 DA-A	13 DA-A	19 DA-A
Trt-Eval Interval											
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code				
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	43 a	64 ab	100 a	38 a 36 ab
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	40 a	60 b	100 a	39 a 38 ab
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	44 a	66 ab	100 a	39 a 40 a
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	40 a	64 ab	100 a	39 a 38 ab
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	43 a	69 ab	100 a	38 a 38 ab
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	40 a	61 b	100 a	40 a 40 a
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	40 a	69 ab	100 a	40 a 38 ab
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	41 a	75 a	100 a	39 a 40 a
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	43 a	64 ab	100 a	38 a 40 a
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	43 a	66 ab	100 a	40 a 35 b
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	40 a	58 b	100 a	40 a 40 a
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	43 a	64 ab	100 a	38 a 38 ab
13	Untreated Check							0 b	0 c	0 b	0 b 0 c
LSD (P=.05)							3.6	10.5	0.0	3.9	4.0
Standard Deviation							2.5	7.3	0.0	2.7	2.8
CV							6.6	12.23	0.0	7.67	8.02

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

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Weed Code							APHAR	ALLVI	ALLVI	VERAR	VERAR
Crop Code											
Rating Data Type							Control	Control	Control	Control	Control
Rating Unit							0-100	0-100	0-100	0-100	0-100
Rating Date							4-7-2003	3-5-2003	3-11-2003	3-11-2003	4-7-2003
Trt-Eval Interval							46 DA-A	13 DA-A	19 DA-A	19 DA-A	46 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code				
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	5 a	20 a	10 cd 16 de
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	5 a	20 a	20 bc 40 cd
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	5 a	20 a	20 bc 38 cd
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	5 a	20 a	25 ab 41 cd
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	20 a	23 ab 61 abc
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	20 a	28 ab 51 bc
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	20 a	28 ab 48 bc
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	20 a	33 a 15 de
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	23 a	25 ab 71 ab
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	5 a	23 a	25 ab 56 abc
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	100 a	5 a	23 a	30 ab 75 ab
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	100 a	5 a	23 a	23 ab 83 a
13	Untreated Check							0 b	0 b	0 b	0 d 0 e
LSD (P=.05)							0.0	0.0	3.4	10.4	24.8
Standard Deviation							0.0	0.0	2.4	7.2	17.3
CV							0.0	0.0	12.49	32.57	37.85

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

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Weed Code								CARHI	VIORA	VIORA	PLALA	PLALA
Crop Code												
Rating Data Type								Control	Control	Control	Control	Control
Rating Unit								0-100	0-100	0-100	0-100	0-100
Rating Date								3-11-2003	3-11-2003	4-7-2003	4-7-2003	5-12-2003
Trt-Eval Interval								19 DA-A	19 DA-A	46 DA-A	46 DA-A	81 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code					
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v		mid-Feb mid-Feb	A A	100 a	90 a	100 a	10 cd	20 de
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v		mid-Feb mid-Feb	A A	100 a	90 a	100 a	30 bcd	26 de
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v		mid-Feb mid-Feb	A A	100 a	90 a	100 a	28 bcd	29 de
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v		mid-Feb mid-Feb	A A	95 ab	90 a	100 a	100 a	84 abc
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a		mid-Feb mid-Feb	A A	96 ab	90 a	100 a	33 bc	43 cde
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a		mid-Feb mid-Feb	A A	98 ab	90 a	100 a	100 a	98 a
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a		mid-Feb mid-Feb	A A	98 ab	90 a	100 a	59 b	51 bcd
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a		mid-Feb mid-Feb	A A	100 a	90 a	100 a	99 a	95 ab
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a		mid-Feb mid-Feb	A A	98 ab	90 a	100 a	40 bc	35 de
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a		mid-Feb mid-Feb	A A	99 ab	90 a	100 a	98 a	88 ab
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a		mid-Feb mid-Feb	A A	93 b	90 a	100 a	54 b	38 de
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a		mid-Feb mid-Feb	A A	95 ab	90 a	100 a	100 a	100 a
13	Untreated Check							0 c	23 b	0 b	0 d	0 e
LSD (P=.05)								6.2	17.8	0.0	28.1	41.1
Standard Deviation								4.3	12.5	0.0	19.7	28.7
CV								4.8	14.72	0.0	34.14	53.0

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

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Weed Code							PLALA	PLALA	PLALA	TRFRE	TRFRE	
Crop Code							Control	Control	Control	Control	Control	
Rating Data Type							0-100	0-100	0-100	0-100	0-100	
Rating Unit							6-17-2003	7-15-2003	8-14-2003	6-17-2003	7-15-2003	
Rating Date							117 DA-A	145 DA-A	175 DA-A	117 DA-A	145 DA-A	
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code					
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	20 cd	20 d	0 e	98 ab	98 a
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	25 cd	30 d	38 de	100 a	100 a
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	23 cd	25 d	70 a-d	100 a	100 a
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	85 ab	86 ab	69 a-d	96 b	98 a
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	45 bcd	46 bcd	50 a-e	100 a	100 a
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	96 a	95 ab	99 a	100 a	100 a
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	50 bc	50 bcd	48 b-e	100 a	100 a
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	90 ab	83 abc	74 a-d	100 a	100 a
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	36 cd	38 cd	30 de	100 a	100 a
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	86 ab	91 ab	90 abc	100 a	100 a
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	33 cd	33 d	40 cde	100 a	100 a
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	99 a	100 a	96 ab	100 a	100 a
13	Untreated Check							0 d	0 d	0 e	0 c	0 b
LSD (P=.05)							41.0	43.4	43.6	2.8	2.3	
Standard Deviation							28.7	30.4	30.5	2.0	1.6	
CV							54.2	56.67	56.52	2.14	1.78	

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

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Weed Code							TRFRE	DIGSS	DIGSS	CYNDA	CYNDA	
Crop Code										Foliag	Foliag	
Part Rated										Green up	Green Up	
Rating Data Type							Control	Control	Control	0-100	0-100	
Rating Unit							0-100	0-100	0-100	0-100	0-100	
Rating Date							8-14-2003	7-15-2003	8-14-2003	4-7-2003	5-12-2003	
Trt-Eval Interval							175 DA-A	145 DA-A	175 DA-A	46 DA-A	81 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Product Rate	Product Rate Unit	Grow Stg	Appl Code					
1	Flazasulfuron + ChemNut 80/20 NIS	25	WG	1.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	9 c	18 cd	44 a	90 a
2	Flazasulfuron + ChemNut 80/20 NIS	25	WG	2.25 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	15 c	23 c	45 a	90 a
3	Flazasulfuron + ChemNut 80/20 NIS	25	WG	3.0 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	98 a	26 b	41 b	45 a	90 a
4	Manor + ChemNut 80/20 NIS	60	WG	0.5 oz wt/a 0.25 % v/v	oz wt/a % v/v	mid-Feb mid-Feb	A A	100 a	0 d	0 d	43 a	90 a
5	Flazasulfuron + ChemNut 80/20 NIS + Barricade	25 65	WG WG	3.0 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	100 a	100 a	43 a	90 a
6	Metsulfuron + ChemNut 80/20 NIS + Barricade	60 65	WG WG	0.5 oz wt/a 1.15 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	100 a	99 a	45 a	90 a
7	Flazasulfuron + ChemNut 80/20 NIS + Ronstar	25 50	WG WP	3.0 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	100 a	100 a	40 a	90 a
8	Metsulfuron + ChemNut 80/20 NIS + Ronstar	60 50	WG WP	0.5 oz wt/a 6.0 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	100 a	100 a	98 a	43 a	90 a
9	Flazasulfuron + ChemNut 80/20 NIS + Dimension Ultra	25 40	WG WP	3.0 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	98 a	100 a	98 a	39 a	90 a
10	Manor + ChemNut 80/20 NIS + Dimension Ultra	60 40	WG WP	0.5 oz wt/a 1.25 lb/a	oz wt/a lb/a	mid-Feb mid-Feb	A A	98 a	100 a	95 a	40 a	90 a
11	Flazasulfuron + ChemNut 80/20 NIS + Pendulum	25 3.3	WG EC	3.0 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	100 a	100 a	90 a	41 a	90 a
12	Metsulfuron + ChemNut 80/20 NIS + Pendulum	60 3.3	WG EC	0.5 oz wt/a 7.3 pt/a	oz wt/a pt/a	mid-Feb mid-Feb	A A	75 b	100 a	98 a	43 a	90 a
13	Untreated Check							0 c	0 d	0 d	40 a	90 a
LSD (P=.05)							20.2	7.3	16.8	5.6	0.0	
Standard Deviation							14.1	5.1	11.8	3.9	0.0	
CV							15.73	7.78	17.83	9.2	0.0	

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