

Ohio State University
Horticulture and Crop Science

2011/SOYBEAN/AUTHORITY/F9310-6/FALL/SPRING PROGRAMS/

Title No. 2:
 Trial ID: 12FALLSOY1 Protocol ID: 12FALLSOY1
 Location: WESTERN BRANCH F-10 E Study Director:
 Project ID: SULF.SOY.11.JPR.10 Investigator: Dr. Mark M. Loux
 Sponsor Contact: Joe Reed, FMC

General Trial Information

Study Director: Anthony F. Dobbels Title: Research Specialist
 Investigator: Dr. Mark M. Loux Title: Professor

Trial Location

City: South Charleston Latitude of LL Corner °: 39.85862 N
 State/Prov.: Ohio Longitude of LL Corner °: 83.67037 W
 Postal Code: 45368
 Country: USA

Crop Description

Crop 1: GLXMA Glycine max Soybean
 Variety: Pioneer 93Y51 Description: RR
 BBCH Scale: BSOY Planting Date: Apr-30-2012
 Planting Method: SEEDED seeded Rate, Unit: 225000 S/A
 Depth, Unit: 0.5 IN
 Row Spacing, Unit: 15 IN
 Seed Bed: MEDIUM medium Soil Temperature, Unit: 63 F
 Soil Moisture: SLIWET slightly wet Emergence Date: May-9-2012

Pest Description

- Pest 1 Type: W Code: STEME *Stellaria media*
Common Name: Common chickweed
- Pest 2 Type: W Code: LAMPU *Lamium purpureum*
Common Name: Purple deadnettel
- Pest 3 Type: W Code: TAROF *Taraxacum officinale*
Common Name: Common dandelion
- Pest 4 Type: W Code: SENGL *Senecio glabellus*
Common Name: Cressleaf groundsel
- Pest 5 Type: W Code: VERAR *Veronica arvensis*
Common Name: Corn speedwell
- Pest 6 Type: W Code: ERICA *Conyza canadensis*
Common Name: Canada horseweed
- Pest 7 Type: W Code: CAPBP *Capsella bursa-pastoris*
Common Name: Shepherd's purse
- Pest 8 Type: W Code: LAMAM *Lamium amplexicaule*
Common Name: Henbit
- Pest 9 Type: W Code: AMBTR *Ambrosia trifida*
Common Name: Giant ragweed
- Pest10 Type: W Code: ERYRE *Erysimum repandum*
Common Name: Bushy wallflower
- Pest11 Type: W Code: SETFA *Setaria faberi*
Common Name: Giant foxtail
- Pest12 Type: W Code: AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed

Site and Design

Plot Width, Unit: 10 FT Site Type: FIELD field
 Plot Length, Unit: 30 FT Experimental Unit: 1 PLOT plot
 Plot Area, Unit: 300 FT2 Tillage Type: NOTILL no-till
 Replications: 3 Study Design: RAOBL Randomized Complete Block (RCB)
 Untreated Arrangement: INCLUDED single control randomized in each block

Trial Initiation Comments:

No. Previous Crop Year
 1. SOYBEAN 2011

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Maintenance

No.	Date	Maintenance Treatment Name	Rate	Unit
1.	May-24-2012	Mustang Max	4	OZ/A

Soil Description

Description Name: F-10 West
 % OM: 2 Texture: SIL silt loam
 pH: 6.3 Soil Name: Crosby
 CEC: 12 Fert. Level: G good
 Soil Drainage: G good

Application Description

	A	B	C
Application Date:	Nov-17-2011	May-2-2012	May-30-2012
Time of Day:	10:00 A.M	10:00AM	8:30AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	FALL	PRE	POST
Application Placement:	BROFOL	BROFOL	BROFOL
Applied By:	McCormick		
Air Temperature, Unit:	38 F	71 F	70 F
% Relative Humidity:	49	81	74
Wind Velocity, Unit:	8 MPH	7 MPH	0 MPH
Wind Direction:	WSW	SSW	
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	41 F	60 F	65 F
Soil Moisture:	SLIWET	WET	DRY
% Cloud Cover:	7	0	0
Next Rain Occurred On:	Nov-21-2011	May-4-2012	May-31-2012

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA	BSOY GLXMA	BSOY GLXMA BSOY
Stage Scale Used:			BBCH
Stage Majority, Percent:			12 100
Height, Unit:			4 IN
Height Minimum, Maximum:			3 5

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Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale:	STEME	W	STEME	W	STEME	W
Stage Majority, Percent:	19	100	65	100		
Diameter, Unit:	3	IN	8	IN		
Height, Unit:	1	IN	1	IN		
Height Minimum, Maximum:	1	2	0.5	1		
Density, Unit:	18.62	m2	18.62	m2		
Pest 2 Code, Type, Scale:	LAMPU	W	LAMPU	W	LAMPU	W
Stage Majority, Percent:	14	90	65	100		
Stage Minimum, Percent:	12	10				
Stage Maximum, Percent:	14	90				
Diameter, Unit:	1	IN				
Height, Unit:	1	IN	5	IN		
Height Minimum, Maximum:	1	2	5	5		
Density, Unit:	8	m2	8	m2		
Pest 3 Code, Type, Scale:	TAROF	W	TAROF	W	TAROF	W
Stage Majority, Percent:	16	100	65	100		
Diameter, Unit:	4	IN	6	IN		
Height, Unit:	0.5	IN	1	IN		
Height Minimum, Maximum:	0.5	1	0.5	1		
Density, Unit:	2.66	m2	2.66	m2		
Pest 4 Code, Type, Scale:	SENGL	W	SENGL	W	SENGL	W
Stage Majority, Percent:	18	100				
Diameter, Unit:	4	IN				
Height, Unit:	1	IN				
Height Minimum, Maximum:	1	1				
Density, Unit:	0.25	m2				
Pest 5 Code, Type, Scale:	VERAR	W	VERAR	W	VERAR	W
Stage Majority, Percent:			65	100		
Diameter, Unit:			6	IN		
Height, Unit:			1	IN		
Height Minimum, Maximum:			1	1		
Density, Unit:			6.65	m2		
Pest 6 Code, Type, Scale:	ERICA	W	ERICA	W	ERICA	W
Stage Majority, Percent:			16	100	19	100
Diameter, Unit:			2	IN	2	IN
Height, Unit:			0.5	IN	1	IN
Height Minimum, Maximum:			0.5	0.5	1	3
Density, Unit:			62.51	m2	62.51	M2
Pest 7 Code, Type, Scale:	CAPBP	W	CAPBP	W	CAPBP	W
Stage Majority, Percent:			16	100		
Diameter, Unit:			3	IN		
Height, Unit:			12	IN		
Height Minimum, Maximum:			12	14		
Density, Unit:			10.64	m2		
Pest 8 Code, Type, Scale:	LAMAM	W	LAMAM	W	LAMAM	W
Stage Majority, Percent:			19	100		
Height, Unit:			3	IN		
Height Minimum, Maximum:			3	3		
Density, Unit:			8	M2		
Pest 9 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:			18	100	19	100
Height, Unit:			4	IN	13	IN
Height Minimum, Maximum:			4	4	10	15
Density, Unit:			8	M2	8	M2
Pest10 Code, Type, Scale:	ERYRE	W	ERYRE	W	ERYRE	W
Stage Majority, Percent:			65	100		
Height, Unit:			10	IN		
Height Minimum, Maximum:			8	10		
Density, Unit:			5.32	m2		
Pest11 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:			15	100		
Height, Unit:			5.5	IN		
Height Minimum, Maximum:			4	7		
Density, Unit:			145	M2		
Pest12 Code, Type, Scale:	AMARE	W	AMARE	W	AMARE	W
Stage Majority, Percent:			12	100		
Height, Unit:			0.75	IN		
Height Minimum, Maximum:			0.5	1		
Density, Unit:			16	M2		

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Application Equipment

	A	B	C
Appl. Equipment:	10 Foot Boom	10' AI XR	10' AI XR
Equipment Type:	SPRBAC	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	46 PSI	46 PSI
Nozzle Type:	TEEJET DG	AI XR	AI XR
Nozzle Size:	80015	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Boom Length, Unit:	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA
Mix Size, Unit:	0.33 Gallons	2 Liters	2 Liters
Propellant:	CO2	CO2	CO2

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	LAMPU	STEME	AMBTR	STEME						
Pest Scientific Name	Lamium purpure>	Stellaria media	Ambrosia trifi>	Stellaria media						
Pest Name	Purple deadnet>	Common chickwe>	Giant ragweed	Common chickwe>						
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-30-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing				AT PLANT						
Days After First/Last Applic.	152 152	152 152	152 152	165 165						
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	165 DA-A						
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	0 DP-1						
Days After Emergence	-22 DE-1	-22 DE-1	-22 DE-1	-9 DE-1						
Number of Decimals		0	0	0						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	1	2	3	4
1	UNTREATED						0.0 c	0 d	0 a	0 d
2	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	88.3 a	90 abc	93 a	83 abc
	2 AIM	1 oz/a	1 oz/a		FALL	A				
	2 E-99	16 oz/a	16 oz/a		FALL	A				
	2 COC	1 % v/v	1 % v/v		FALL	A				
	2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	65.0 b	78 bc	57 a	60 c
	3 AIM	1 oz/a	1 oz/a		FALL	A				
	3 Brash	16 oz/a	16 oz/a		FALL	A				
	3 COC	1 % v/v	1 % v/v		FALL	A				
	3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	80.0 ab	90 abc	90 a	93 ab
	4 AIM	1 oz/a	1 oz/a		FALL	A				
	4 SENCOR	5 oz/a	5 oz/a		FALL	A				
	4 COC	1 % v/v	1 % v/v		FALL	A				
	4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	98.3 a	100 a	92 a	100 a
	5 AIM	1 oz/a	1 oz/a		FALL	A				
	5 E-99	16 oz/a	16 oz/a		FALL	A				
	5 COC	1 % v/v	1 % v/v		FALL	A				
	5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	5 F9310-6	8 oz/a	8 oz/a		PRE	B				
	5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
	5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	86.7 ab	100 a	80 a	93 ab
	6 AIM	1 oz/a	1 oz/a		FALL	A				
	6 Brash	16 oz/a	16 oz/a		FALL	A				
	6 COC	1 % v/v	1 % v/v		FALL	A				
	6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
	6 F9310-6	8 oz/a	8 oz/a		PRE	B				
	6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
	6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Pest Code	LAMPU	STEME	AMBTR	STEME						
Pest Scientific Name	Lamium purpure>	Stellaria media	Ambrosia trifi>	Stellaria media						
Pest Name	Purple deadnet>	Common chickwe>	Giant ragweed	Common chickwe>						
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-30-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing				AT PLANT						
Days After First/Last Applic.	152 152	152 152	152 152	165 165						
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	165 DA-A						
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	0 DP-1						
Days After Emergence	-22 DE-1	-22 DE-1	-22 DE-1	-9 DE-1						
Number of Decimals		0	0	0						
Trt No.	Treatment Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	1	2	3	4
7	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	78.3 ab	90 abc	80 a	77 abc
7	AIM	1 oz/a	1 oz/a		FALL	A				
7	SENCOR	5 oz/a	5 oz/a		FALL	A				
7	COC	1 % v/v	1 % v/v		FALL	A				
7	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7	F9310-6	8 oz/a	8 oz/a		PRE	B				
7	CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	81.7 ab	70 c	83 a	65 bc
8	AIM	1 oz/a	1 oz/a		FALL	A				
8	E-99	16 oz/a	16 oz/a		FALL	A				
8	COC	1 % v/v	1 % v/v		FALL	A				
8	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8	F9310-6	8 oz/a	8 oz/a		POST	C				
8	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	82.0 ab	97 ab	67 a	90 ab
9	AIM	1 oz/a	1 oz/a		FALL	A				
9	Brash	16 oz/a	16 oz/a		FALL	A				
9	COC	1 % v/v	1 % v/v		FALL	A				
9	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9	F9310-6	8 oz/a	8 oz/a		POST	C				
9	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	90.0 a	92 ab	63 a	60 c
10	AIM	1 oz/a	1 oz/a		FALL	A				
10	SENCOR	5 oz/a	5 oz/a		FALL	A				
10	COC	1 % v/v	1 % v/v		FALL	A				
10	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10	F9310-6	8 oz/a	8 oz/a		POST	C				
10	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)							22.52	21.3	56.1	29.6
Standard Deviation							13.13	12.4	32.7	17.2
CV							17.5	15.4	46.39	23.84

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	LAMPU	CAPBP	VERAR	ERYRE					
Pest Scientific Name	Lamium purpure>	Capsella bursa>	Veronica arven>	Erysimum repa>					
Pest Name	Purple deadnet>	Shepherd's pur>	Corn speedwell	Bushy wallflow>					
Rating Date	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing			AT PLANT						
Days After First/Last Applic.	165 165	165 165	165 165	165 165					
Trt-Eval Interval	165 DA-A	165 DA-A	165 DA-A	165 DA-A					
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1					
Days After Emergence	-9 DE-1	-9 DE-1	-9 DE-1	-9 DE-1					
Number of Decimals			0						
Trt Treatment	Rate	Other	Other	Growth	Appl				
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code	5	6	7	8
1 UNTREATED						0.0 b	0.0 c	0 d	0.0 c
2 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	80.0 a	100.0 a	73 ab	100.0 a
2 AIM	1 oz/a	1 oz/a		FALL	A				
2 E-99	16 oz/a	16 oz/a		FALL	A				
2 COC	1 % v/v	1 % v/v		FALL	A				
2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	61.7 a	100.0 a	57 abc	82.6 ab
3 AIM	1 oz/a	1 oz/a		FALL	A				
3 Brash	16 oz/a	16 oz/a		FALL	A				
3 COC	1 % v/v	1 % v/v		FALL	A				
3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	73.3 a	100.0 a	58 abc	100.0 a
4 AIM	1 oz/a	1 oz/a		FALL	A				
4 SENCOR	5 oz/a	5 oz/a		FALL	A				
4 COC	1 % v/v	1 % v/v		FALL	A				
4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	90.0 a	100.0 a	67 abc	100.0 a
5 AIM	1 oz/a	1 oz/a		FALL	A				
5 E-99	16 oz/a	16 oz/a		FALL	A				
5 COC	1 % v/v	1 % v/v		FALL	A				
5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
5 F9310-6	8 oz/a	8 oz/a		PRE	B				
5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	76.7 a	100.0 a	90 a	100.0 a
6 AIM	1 oz/a	1 oz/a		FALL	A				
6 Brash	16 oz/a	16 oz/a		FALL	A				
6 COC	1 % v/v	1 % v/v		FALL	A				
6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
6 F9310-6	8 oz/a	8 oz/a		PRE	B				
6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing			AT PLANT						
Days After First/Last Applic.	165 165	165 165	165 165	165 165					
Trt-Eval Interval	165 DA-A	165 DA-A	165 DA-A	165 DA-A					
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1					
Days After Emergence	-9 DE-1	-9 DE-1	-9 DE-1	-9 DE-1					
Number of Decimals			0						
Trt Treatment	Rate	Other	Other	Growth	Appl	5	6	7	8
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code				
7 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	53.3 a	100.0 a	38 bcd	73.3 ab
7 AIM	1 oz/a	1 oz/a		FALL	A				
7 SENCOR	5 oz/a	5 oz/a		FALL	A				
7 COC	1 % v/v	1 % v/v		FALL	A				
7 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7 F9310-6	8 oz/a	8 oz/a		PRE	B				
7 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	63.3 a	100.0 a	4 d	100.0 a
8 AIM	1 oz/a	1 oz/a		FALL	A				
8 E-99	16 oz/a	16 oz/a		FALL	A				
8 COC	1 % v/v	1 % v/v		FALL	A				
8 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8 F9310-6	8 oz/a	8 oz/a		POST	C				
8 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	70.0 a	100.0 a	33 bcd	86.7 ab
9 AIM	1 oz/a	1 oz/a		FALL	A				
9 Brash	16 oz/a	16 oz/a		FALL	A				
9 COC	1 % v/v	1 % v/v		FALL	A				
9 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9 F9310-6	8 oz/a	8 oz/a		POST	C				
9 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	60.0 a	66.7 b	28 cd	53.3 b
10 AIM	1 oz/a	1 oz/a		FALL	A				
10 SENCOR	5 oz/a	5 oz/a		FALL	A				
10 COC	1 % v/v	1 % v/v		FALL	A				
10 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10 F9310-6	8 oz/a	8 oz/a		POST	C				
10 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)						41.20	31.32	40.9	36.47
Standard Deviation						24.02	18.26	22.5	21.17
CV						38.22	21.07	50.07	26.59

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	TAROF	ERICA	AMBTR	LAMAM
Pest Scientific Name	Taraxacum offi> Conyza canad> Ambrosia trifi> Lamium amplexi>			
Pest Name	Common dandel>		Canada	Henbit
Rating Date	Apr-30-2012		Apr-30-2012	Apr-30-2012
Rating Type	CONTRO		CONTRO	CONTRO
Rating Unit	%		%	%
Number of Subsamples	1		1	1
Rating Timing	AT PLANT		AT PLANT	AT PLANT
Days After First/Last Applic.	165 165		165 165	165 165
Trt-Eval Interval	165 DA-A		165 DA-A	165 DA-A
Plant-Eval Interval	0 DP-1		0 DP-1	0 DP-1
Days After Emergence	-9 DE-1		-9 DE-1	-9 DE-1
Number of Decimals	0		0	0

Trt	Treatment	Rate	Other	Other	Growth	Appl	9	10	11	12	
No.	Name	Rate	Rate	Rate	Unit	Stage	Code				
1	UNTREATED							9 d	0 a	0 a	0.0
2	AUTHORITY MTZ	12 oz/a	12 oz/a			FALL	A	54 abc	27 a	37 a	30.0
2	AIM	1 oz/a	1 oz/a			FALL	A				
2	E-99	16 oz/a	16 oz/a			FALL	A				
2	COC	1 % v/v	1 % v/v			FALL	A				
2	N-PAK AMS	2.5 % v/v	2.5 % v/v			FALL	A				
2	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a			PRE	B				
2	CADET	0.6 oz/a	0.6 oz/a			PRE	B				
2	NIS	0.25 % v/v	0.25 % v/v			PRE	B				
3	AUTHORITY MTZ	12 oz/a	12 oz/a			FALL	A	43 abc	20 a	20 a	60.0
3	AIM	1 oz/a	1 oz/a			FALL	A				
3	Brash	16 oz/a	16 oz/a			FALL	A				
3	COC	1 % v/v	1 % v/v			FALL	A				
3	N-PAK AMS	2.5 % v/v	2.5 % v/v			FALL	A				
3	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a			PRE	B				
3	CADET	0.6 oz/a	0.6 oz/a			PRE	B				
3	NIS	0.25 % v/v	0.25 % v/v			PRE	B				
4	AUTHORITY ASSIST	5 oz/a	5 oz/a			FALL	A	73 a	43 a	68 a	100.0
4	AIM	1 oz/a	1 oz/a			FALL	A				
4	SENCOR	5 oz/a	5 oz/a			FALL	A				
4	COC	1 % v/v	1 % v/v			FALL	A				
4	N-PAK AMS	2.5 % v/v	2.5 % v/v			FALL	A				
4	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a			PRE	B				
4	CADET	0.6 oz/a	0.6 oz/a			PRE	B				
4	NIS	0.25 % v/v	0.25 % v/v			PRE	B				
5	AUTHORITY MTZ	12 oz/a	12 oz/a			FALL	A	50 abc	63 a	63 a	90.0
5	AIM	1 oz/a	1 oz/a			FALL	A				
5	E-99	16 oz/a	16 oz/a			FALL	A				
5	COC	1 % v/v	1 % v/v			FALL	A				
5	N-PAK AMS	2.5 % v/v	2.5 % v/v			FALL	A				
5	F9310-6	8 oz/a	8 oz/a			PRE	B				
5	CLASSIC	0.5 oz/a	0.5 oz/a			PRE	B				
5	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a			PRE	B				
6	AUTHORITY MTZ	12 oz/a	12 oz/a			FALL	A	67 ab	67 a	58 a	95.0
6	AIM	1 oz/a	1 oz/a			FALL	A				
6	Brash	16 oz/a	16 oz/a			FALL	A				
6	COC	1 % v/v	1 % v/v			FALL	A				
6	AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v			FALL	A				
6	F9310-6	8 oz/a	8 oz/a			PRE	B				
6	CLASSIC	0.5 oz/a	0.5 oz/a			PRE	B				
6	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a			PRE	B				

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	TAROF	ERICA	AMBTR	LAMAM						
Pest Scientific Name	Taraxacum offi>	Conyza canaden>	Ambrosia trifi>	Lamium amplexi>						
Pest Name	Common dandeli>	Canada horsewe>	Giant ragweed	Henbit						
Rating Date	Apr-30-2012	Apr-30-2012	Apr-30-2012	Apr-30-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing	AT PLANT	AT PLANT	AT PLANT							
Days After First/Last Applic.	165 165	165 165	165 165	165 165						
Trt-Eval Interval	165 DA-A	165 DA-A	165 DA-A	165 DA-A						
Plant-Eval Interval	0 DP-1	0 DP-1	0 DP-1	0 DP-1						
Days After Emergence	-9 DE-1	-9 DE-1	-9 DE-1	-9 DE-1						
Number of Decimals	0	0	0							
Trt No.	Treatment Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
7	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	40 bcd	20 a	30 a	90.0
7	AIM	1 oz/a	1 oz/a		FALL	A				
7	SENCOR	5 oz/a	5 oz/a		FALL	A				
7	COC	1 % v/v	1 % v/v		FALL	A				
7	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7	F9310-6	8 oz/a	8 oz/a		PRE	B				
7	CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	59 abc	30 a	30 a	40.0
8	AIM	1 oz/a	1 oz/a		FALL	A				
8	E-99	16 oz/a	16 oz/a		FALL	A				
8	COC	1 % v/v	1 % v/v		FALL	A				
8	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8	F9310-6	8 oz/a	8 oz/a		POST	C				
8	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	50 abc	20 a	18 a	30.0
9	AIM	1 oz/a	1 oz/a		FALL	A				
9	Brash	16 oz/a	16 oz/a		FALL	A				
9	COC	1 % v/v	1 % v/v		FALL	A				
9	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9	F9310-6	8 oz/a	8 oz/a		POST	C				
9	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	33 cd	43 a	10 a	0.0
10	AIM	1 oz/a	1 oz/a		FALL	A				
10	SENCOR	5 oz/a	5 oz/a		FALL	A				
10	COC	1 % v/v	1 % v/v		FALL	A				
10	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10	F9310-6	8 oz/a	8 oz/a		POST	C				
10	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)							32.6	59.3	52.2	.
Standard Deviation							18.6	34.6	30.0	.
CV							38.87	103.75	89.9	.

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	STEME	LAMPU	CAPBP	VERAR					
Pest Scientific Name	Stellaria media	Lamium purpure>	Capsella bursa>	Veronica arven>					
Pest Name	Common chickwe>	Purple deadnet>	Shepherd's pur>	Corn speedwell					
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 12	179 12	179 12	179 12					
Trt-Eval Interval	12 DA-B	12 DA-B	12 DA-B	12 DA-B					
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1					
Days After Emergence	5 DE-1	5 DE-1	5 DE-1	5 DE-1					
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Other	Other	Growth	Appl				
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code	13	14	15	
1 UNTREATED						0 c	0.0 c	0.0 c	0 c
2 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	86.7 a	100.0 a	93 a
2 AIM	1 oz/a	1 oz/a		FALL	A				
2 E-99	16 oz/a	16 oz/a		FALL	A				
2 COC	1 % v/v	1 % v/v		FALL	A				
2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	100.0 a	96.7 a	94 a
3 AIM	1 oz/a	1 oz/a		FALL	A				
3 Brash	16 oz/a	16 oz/a		FALL	A				
3 COC	1 % v/v	1 % v/v		FALL	A				
3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	100 a	95.0 a	100.0 a	100 a
4 AIM	1 oz/a	1 oz/a		FALL	A				
4 SENCOR	5 oz/a	5 oz/a		FALL	A				
4 COC	1 % v/v	1 % v/v		FALL	A				
4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	100.0 a	100.0 a	100 a
5 AIM	1 oz/a	1 oz/a		FALL	A				
5 E-99	16 oz/a	16 oz/a		FALL	A				
5 COC	1 % v/v	1 % v/v		FALL	A				
5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
5 F9310-6	8 oz/a	8 oz/a		PRE	B				
5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	100.0 a	100.0 a	100 a
6 AIM	1 oz/a	1 oz/a		FALL	A				
6 Brash	16 oz/a	16 oz/a		FALL	A				
6 COC	1 % v/v	1 % v/v		FALL	A				
6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
6 F9310-6	8 oz/a	8 oz/a		PRE	B				
6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	STEME	LAMPU	CAPBP	VERAR					
Pest Scientific Name	Stellaria media	Lamium purpure>	Capsella bursa>	Veronica arven>					
Pest Name	Common chickwe>	Purple deadnet>	Shepherd's pur>	Corn speedwell					
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 12	179 12	179 12	179 12					
Trt-Eval Interval	12 DA-B	14 DP-1	14 DP-1	12 DA-B					
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1					
Days After Emergence	5 DE-1	5 DE-1	5 DE-1	5 DE-1					
Number of Decimals	0	0	0	0					
Trt Treatment No. Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16
7 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	100 a	93.3 a	100.0 a	100 a
7 AIM	1 oz/a	1 oz/a		FALL	A				
7 SENCOR	5 oz/a	5 oz/a		FALL	A				
7 COC	1 % v/v	1 % v/v		FALL	A				
7 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7 F9310-6	8 oz/a	8 oz/a		PRE	B				
7 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	33 bc	33.3 bc	33.3 bc	5 c
8 AIM	1 oz/a	1 oz/a		FALL	A				
8 E-99	16 oz/a	16 oz/a		FALL	A				
8 COC	1 % v/v	1 % v/v		FALL	A				
8 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8 F9310-6	8 oz/a	8 oz/a		POST	C				
8 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	67 ab	66.7 ab	60.0 ab	53 b
9 AIM	1 oz/a	1 oz/a		FALL	A				
9 Brash	16 oz/a	16 oz/a		FALL	A				
9 COC	1 % v/v	1 % v/v		FALL	A				
9 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9 F9310-6	8 oz/a	8 oz/a		POST	C				
9 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	67 ab	66.7 ab	66.7 ab	66 ab
10 AIM	1 oz/a	1 oz/a		FALL	A				
10 SENCOR	5 oz/a	5 oz/a		FALL	A				
10 COC	1 % v/v	1 % v/v		FALL	A				
10 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10 F9310-6	8 oz/a	8 oz/a		POST	C				
10 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)						50.1	47.74	48.04	38.9
Standard Deviation						29.2	27.83	28.00	22.6
CV						38.07	37.52	37.01	31.76

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	ERYRE	TAROF	ERICA	AMBTR						
Pest Scientific Name	Erysimum repan>	Taraxacum offi>	Conyza canad>	Ambrosia trifi>						
Pest Name	Bushy wallflow>	Common dandel>	Canada horsewe>	Giant ragweed						
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%						
Number of Subsamples	1	1	1	1						
Rating Timing										
Days After First/Last Applic.	179 12	179 12	179 12	179 12						
Trt-Eval Interval		12 DA-B	12 DA-B	12 DA-B						
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1						
Days After Emergence	5 DE-1	5 DE-1	5 DE-1	5 DE-1						
Number of Decimals		0	0	0						
Trt No.	Treatment Name	Rate Rate Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code	17	18	19	20
1	UNTREATED						0.0 c	0 d	0 f	0 c
2	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100.0 a	93 a	60 bcd	91 a
	2 AIM	1 oz/a	1 oz/a		FALL	A				
	2 E-99	16 oz/a	16 oz/a		FALL	A				
	2 COC	1 % v/v	1 % v/v		FALL	A				
	2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100.0 a	90 ab	43 cde	87 a
	3 AIM	1 oz/a	1 oz/a		FALL	A				
	3 Brash	16 oz/a	16 oz/a		FALL	A				
	3 COC	1 % v/v	1 % v/v		FALL	A				
	3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	100.0 a	86 ab	68 abc	95 a
	4 AIM	1 oz/a	1 oz/a		FALL	A				
	4 SENCOR	5 oz/a	5 oz/a		FALL	A				
	4 COC	1 % v/v	1 % v/v		FALL	A				
	4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
	4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
	4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100.0 a	93 a	100 a	93 a
	5 AIM	1 oz/a	1 oz/a		FALL	A				
	5 E-99	16 oz/a	16 oz/a		FALL	A				
	5 COC	1 % v/v	1 % v/v		FALL	A				
	5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
	5 F9310-6	8 oz/a	8 oz/a		PRE	B				
	5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
	5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100.0 a	96 a	100 a	99 a
	6 AIM	1 oz/a	1 oz/a		FALL	A				
	6 Brash	16 oz/a	16 oz/a		FALL	A				
	6 COC	1 % v/v	1 % v/v		FALL	A				
	6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
	6 F9310-6	8 oz/a	8 oz/a		PRE	B				
	6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
	6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	ERYRE	TAROF	ERICA	AMBTR					
Pest Scientific Name	Erysimum repan>	Taraxacum offi>	Conyza canadens>	Ambrosia trifi>					
Pest Name	Bushy wallflow>	Common dandel>	Canada horsewe>	Giant ragweed					
Rating Date	May-14-2012	May-14-2012	May-14-2012	May-14-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 12	179 12	179 12	179 12					
Trt-Eval Interval		12 DA-B	12 DA-B	12 DA-B					
Plant-Eval Interval	14 DP-1	14 DP-1	14 DP-1	14 DP-1					
Days After Emergence	5 DE-1	5 DE-1	5 DE-1	5 DE-1					
Number of Decimals		0	0	0					
Trt Treatment	Rate	Other	Other	Growth	Appl	17	18	19	20
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code				
7 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	100.0 a	83 ab	83 ab	93 a
7 AIM	1 oz/a	1 oz/a		FALL	A				
7 SENCOR	5 oz/a	5 oz/a		FALL	A				
7 COC	1 % v/v	1 % v/v		FALL	A				
7 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7 F9310-6	8 oz/a	8 oz/a		PRE	B				
7 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	33.3 bc	33 cd	17 ef	13 c
8 AIM	1 oz/a	1 oz/a		FALL	A				
8 E-99	16 oz/a	16 oz/a		FALL	A				
8 COC	1 % v/v	1 % v/v		FALL	A				
8 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8 F9310-6	8 oz/a	8 oz/a		POST	C				
8 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	66.7 ab	50 bc	27 def	63 ab
9 AIM	1 oz/a	1 oz/a		FALL	A				
9 Brash	16 oz/a	16 oz/a		FALL	A				
9 COC	1 % v/v	1 % v/v		FALL	A				
9 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9 F9310-6	8 oz/a	8 oz/a		POST	C				
9 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	66.7 ab	16 cd	27 def	27 bc
10 AIM	1 oz/a	1 oz/a		FALL	A				
10 SENCOR	5 oz/a	5 oz/a		FALL	A				
10 COC	1 % v/v	1 % v/v		FALL	A				
10 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10 F9310-6	8 oz/a	8 oz/a		POST	C				
10 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)						50.07	43.0	36.0	42.7
Standard Deviation						29.19	24.8	21.0	24.9
CV						38.07	38.76	40.04	37.66

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	LAMAM	SETFA	ERICA	AMBTR					
Pest Scientific Name	Lamium amplexi>	Setaria faberi	Conyza canadens>	Ambrosia trifi>					
Pest Name	Henbit	Giant foxtail	Canada horsewe>	Giant ragweed					
Rating Date	May-14-2012	May-29-2012	May-29-2012	May-29-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 12	194 27	194 27	194 27					
Trt-Eval Interval		27 DA-B	27 DA-B	27 DA-B					
Plant-Eval Interval	14 DP-1	29 DP-1	29 DP-1	29 DP-1					
Days After Emergence	5 DE-1	20 DE-1	20 DE-1	20 DE-1					
Number of Decimals		0	0	0					
Trt Treatment	Rate	Other	Other	Growth	Appl	21	22	23	24
No. Name	Rate Unit	Rate	Rate Unit	Unit Stage	Code				
1 UNTREATED						0.0 d	0 d	0 d	0 d
2 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	78.3 ab	37 b	40 bc	57 abc
2 AIM	1 oz/a	1 oz/a		FALL	A				
2 E-99	16 oz/a	16 oz/a		FALL	A				
2 COC	1 % v/v	1 % v/v		FALL	A				
2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	73.3 ab	40 b	20 cd	53 abc
3 AIM	1 oz/a	1 oz/a		FALL	A				
3 Brash	16 oz/a	16 oz/a		FALL	A				
3 COC	1 % v/v	1 % v/v		FALL	A				
3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	80.0 ab	30 bc	50 abc	63 ab
4 AIM	1 oz/a	1 oz/a		FALL	A				
4 SENCOR	5 oz/a	5 oz/a		FALL	A				
4 COC	1 % v/v	1 % v/v		FALL	A				
4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	93.3 a	88 a	85 a	83 a
5 AIM	1 oz/a	1 oz/a		FALL	A				
5 E-99	16 oz/a	16 oz/a		FALL	A				
5 COC	1 % v/v	1 % v/v		FALL	A				
5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
5 F9310-6	8 oz/a	8 oz/a		PRE	B				
5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	96.7 a	87 a	73 ab	67 ab
6 AIM	1 oz/a	1 oz/a		FALL	A				
6 Brash	16 oz/a	16 oz/a		FALL	A				
6 COC	1 % v/v	1 % v/v		FALL	A				
6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
6 F9310-6	8 oz/a	8 oz/a		PRE	B				
6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	LAMAM	SETFA	ERICA	AMBTR					
Pest Scientific Name	Lamium amplexi>	Setaria faberi	Conyza canadens>	Ambrosia trifi>					
Pest Name	Henbit	Giant foxtail	Canada horsewe>	Giant ragweed					
Rating Date	May-14-2012	May-29-2012	May-29-2012	May-29-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	179 12	194 27	194 27	194 27					
Trt-Eval Interval		27 DA-B	27 DA-B	27 DA-B					
Plant-Eval Interval	14 DP-1	29 DP-1	29 DP-1	29 DP-1					
Days After Emergence	5 DE-1	20 DE-1	20 DE-1	20 DE-1					
Number of Decimals		0	0	0					
Trt Treatment	Rate	Other	Other	Growth	Appl	21	22	23	24
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code				
7 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	91.7 a	87 a	70 ab	87 a
7 AIM	1 oz/a	1 oz/a		FALL	A				
7 SENCOR	5 oz/a	5 oz/a		FALL	A				
7 COC	1 % v/v	1 % v/v		FALL	A				
7 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7 F9310-6	8 oz/a	8 oz/a		PRE	B				
7 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	20.0 cd	0 d	0 d	33 bcd
8 AIM	1 oz/a	1 oz/a		FALL	A				
8 E-99	16 oz/a	16 oz/a		FALL	A				
8 COC	1 % v/v	1 % v/v		FALL	A				
8 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8 F9310-6	8 oz/a	8 oz/a		POST	C				
8 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	50.0 bc	10 cd	17 cd	23 bcd
9 AIM	1 oz/a	1 oz/a		FALL	A				
9 Brash	16 oz/a	16 oz/a		FALL	A				
9 COC	1 % v/v	1 % v/v		FALL	A				
9 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9 F9310-6	8 oz/a	8 oz/a		POST	C				
9 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	66.7 ab	0 d	25 cd	17 cd
10 AIM	1 oz/a	1 oz/a		FALL	A				
10 SENCOR	5 oz/a	5 oz/a		FALL	A				
10 COC	1 % v/v	1 % v/v		FALL	A				
10 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10 F9310-6	8 oz/a	8 oz/a		POST	C				
10 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)						36.94	20.8	36.1	46.4
Standard Deviation						21.53	12.1	21.1	27.0
CV						33.13	32.04	55.4	55.92

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	CHEAL	AMARE	POLPY	ERICA					
Pest Scientific Name	Chenopodium al-	Amaranthus ret-	Persicaria pen-	Conyza canad-					
Pest Name	Common lambsqu-	Redroot pigweed	Pennsylvania s-	Canada horsewe-					
Rating Date	May-29-2012	May-29-2012	May-29-2012	Jun-25-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	194 27	194 27	194 27	221 26					
Trt-Eval Interval	27 DA-B			26 DA-C					
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	56 DP-1					
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	47 DE-1					
Number of Decimals	0			0					
Trt Treatment	Rate	Other	Other	Growth	Appl	25	26	27	28
No. Name	Rate Unit	Rate	Rate Unit	Unit	Stage Code				
1 UNTREATED						0 a	8.4 a		0 d
2 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	37 a	33.3 a	0.0 b	27 cd
2 AIM	1 oz/a	1 oz/a		FALL	A				
2 E-99	16 oz/a	16 oz/a		FALL	A				
2 COC	1 % v/v	1 % v/v		FALL	A				
2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	73 a	66.7 a	0.0 b	25 cd
3 AIM	1 oz/a	1 oz/a		FALL	A				
3 Brash	16 oz/a	16 oz/a		FALL	A				
3 COC	1 % v/v	1 % v/v		FALL	A				
3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	57 a	61.7 a	97.8 a	42 bc
4 AIM	1 oz/a	1 oz/a		FALL	A				
4 SENCOR	5 oz/a	5 oz/a		FALL	A				
4 COC	1 % v/v	1 % v/v		FALL	A				
4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	100.0 a	100.0 a	85 a
5 AIM	1 oz/a	1 oz/a		FALL	A				
5 E-99	16 oz/a	16 oz/a		FALL	A				
5 COC	1 % v/v	1 % v/v		FALL	A				
5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
5 F9310-6	8 oz/a	8 oz/a		PRE	B				
5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	100 a	100.0 a	100.0 a	60 abc
6 AIM	1 oz/a	1 oz/a		FALL	A				
6 Brash	16 oz/a	16 oz/a		FALL	A				
6 COC	1 % v/v	1 % v/v		FALL	A				
6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
6 F9310-6	8 oz/a	8 oz/a		PRE	B				
6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	CHEAL	AMARE	POLPY	ERICA					
Pest Scientific Name	Chenopodium al-	Amaranthus ret-	Persicaria pen-	Conyza canad-					
Pest Name	Common lambsqu	Redroot pigweed	Pennsylvania s-	Canada horsewe-					
Rating Date	May-29-2012	May-29-2012	May-29-2012	Jun-25-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	194 27	194 27	194 27	221 26					
Trt-Eval Interval	27 DA-B			26 DA-C					
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1	56 DP-1					
Days After Emergence	20 DE-1	20 DE-1	20 DE-1	47 DE-1					
Number of Decimals	0			0					
Trt Treatment	Rate	Other	Other	Growth	Appl	25	26	27	28
No. Name	Rate Unit	Rate	Rate Unit	Stage	Code				
7 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	100 a	100.0 a	100.0 a	67 ab
7 AIM	1 oz/a	1 oz/a		FALL	A				
7 SENCOR	5 oz/a	5 oz/a		FALL	A				
7 COC	1 % v/v	1 % v/v		FALL	A				
7 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7 F9310-6	8 oz/a	8 oz/a		PRE	B				
7 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	67 a	66.7 a	98.5 a	43 bc
8 AIM	1 oz/a	1 oz/a		FALL	A				
8 E-99	16 oz/a	16 oz/a		FALL	A				
8 COC	1 % v/v	1 % v/v		FALL	A				
8 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8 F9310-6	8 oz/a	8 oz/a		POST	C				
8 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	67 a	66.7 a	99.1 a	50 abc
9 AIM	1 oz/a	1 oz/a		FALL	A				
9 Brash	16 oz/a	16 oz/a		FALL	A				
9 COC	1 % v/v	1 % v/v		FALL	A				
9 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9 F9310-6	8 oz/a	8 oz/a		POST	C				
9 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	33 a	33.3 a	47.7 b	57 abc
10 AIM	1 oz/a	1 oz/a		FALL	A				
10 SENCOR	5 oz/a	5 oz/a		FALL	A				
10 COC	1 % v/v	1 % v/v		FALL	A				
10 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10 F9310-6	8 oz/a	8 oz/a		POST	C				
10 CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
LSD (P=.05)						64.8	79.66	48.92	39.7
Standard Deviation						37.8	46.02	25.33	23.1
CV						59.68	72.28	35.45	50.86

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Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	Jun-25-2012	Jun-25-2012	Jun-25-2012
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1 1 1
Rating Timing			
Days After First/Last Applic.	221 26	221 26	221 26
Trt-Eval Interval	26 DA-C	26 DA-C	26 DA-C
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1
Days After Emergence	47 DE-1	47 DE-1	47 DE-1
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32 33
1 UNTREATED						0 a	0 d		0 c
2 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	53 a	30 c		43 b
2 AIM	1 oz/a	1 oz/a		FALL	A				
2 E-99	16 oz/a	16 oz/a		FALL	A				
2 COC	1 % v/v	1 % v/v		FALL	A				
2 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
2 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
2 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
2 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
3 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	47 a	43 bc		53 b
3 AIM	1 oz/a	1 oz/a		FALL	A				
3 Brash	16 oz/a	16 oz/a		FALL	A				
3 COC	1 % v/v	1 % v/v		FALL	A				
3 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
3 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
3 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
3 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
4 AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	40 a	30 c		53 b
4 AIM	1 oz/a	1 oz/a		FALL	A				
4 SENCOR	5 oz/a	5 oz/a		FALL	A				
4 COC	1 % v/v	1 % v/v		FALL	A				
4 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
4 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
4 CADET	0.6 oz/a	0.6 oz/a		PRE	B				
4 NIS	0.25 % v/v	0.25 % v/v		PRE	B				
5 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	62 a	53 abc		100 a
5 AIM	1 oz/a	1 oz/a		FALL	A				
5 E-99	16 oz/a	16 oz/a		FALL	A				
5 COC	1 % v/v	1 % v/v		FALL	A				
5 N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
5 F9310-6	8 oz/a	8 oz/a		PRE	B				
5 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
5 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
6 AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	72 a	47 bc		100 a
6 AIM	1 oz/a	1 oz/a		FALL	A				
6 Brash	16 oz/a	16 oz/a		FALL	A				
6 COC	1 % v/v	1 % v/v		FALL	A				
6 AMMONIUM SULFATE	2.5 % v/v	2.5 % v/v		FALL	A				
6 F9310-6	8 oz/a	8 oz/a		PRE	B				
6 CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
6 ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				

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Pest Type	W Weed	W Weed	W Weed
Pest Code	SETFA	AMBTR	CHEAL
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>
Rating Date	Jun-25-2012	Jun-25-2012	Jun-25-2012
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1 1 1
Rating Timing			
Days After First/Last Applic.	221 26	221 26	221 26
Trt-Eval Interval	26 DA-C	26 DA-C	26 DA-C
Plant-Eval Interval	56 DP-1	56 DP-1	56 DP-1
Days After Emergence	47 DE-1	47 DE-1	47 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Rate Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	29	30	31	32 33
7	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	263 a	68 ab		100 a
7	AIM	1 oz/a	1 oz/a		FALL	A				
7	SENCOR	5 oz/a	5 oz/a		FALL	A				
7	COC	1 % v/v	1 % v/v		FALL	A				
7	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
7	F9310-6	8 oz/a	8 oz/a		PRE	B				
7	CLASSIC	0.5 oz/a	0.5 oz/a		PRE	B				
7	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		PRE	B				
8	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	95 a	76 a		100 a
8	AIM	1 oz/a	1 oz/a		FALL	A				
8	E-99	16 oz/a	16 oz/a		FALL	A				
8	COC	1 % v/v	1 % v/v		FALL	A				
8	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
8	F9310-6	8 oz/a	8 oz/a		POST	C				
8	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
8	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
9	AUTHORITY MTZ	12 oz/a	12 oz/a		FALL	A	93 a	76 a		100 a
9	AIM	1 oz/a	1 oz/a		FALL	A				
9	Brash	16 oz/a	16 oz/a		FALL	A				
9	COC	1 % v/v	1 % v/v		FALL	A				
9	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
9	F9310-6	8 oz/a	8 oz/a		POST	C				
9	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
9	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
10	AUTHORITY ASSIST	5 oz/a	5 oz/a		FALL	A	89 a	73 a		100 a
10	AIM	1 oz/a	1 oz/a		FALL	A				
10	SENCOR	5 oz/a	5 oz/a		FALL	A				
10	COC	1 % v/v	1 % v/v		FALL	A				
10	N-PAK AMS	2.5 % v/v	2.5 % v/v		FALL	A				
10	F9310-6	8 oz/a	8 oz/a		POST	C				
10	CLASSIC	0.5 oz/a	0.5 oz/a		POST	C				
10	ROUNDUP WEATHERMAX	32 oz/a	32 oz/a		POST	C				
	LSD (P=.05)						205.0	25.1	24.4	. .
	Standard Deviation						119.5	14.6	14.1	. .
	CV						146.73	29.42	18.81	. .