

Ohio State University
Horticulture and Crop Science

VALENT FALL BURNDOWN PROGRAMS

Title No. 2:
 Trial ID: 12FALLSOY3 Protocol ID: 12FALLSOY3
 Location: WESTERN BRANCH F-10 E Study Director:
 Project ID: Investigator: Dr. Mark M. Loux
 Sponsor Contact: Eric Ott, Valent

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 °: 39.85864 N
 State/Prov.: Ohio Longitude of LL Corner °: 83.67069 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: LAMAM Lamium amplexicaule
 Common Name: Henbit
 Pest 6 Type: W Code: ERYRE Erysimum repandum
 Common Name: Bushy wallflower
 Pest 7 Type: W Code: ERICA Conyza canadensis
 Common Name: Canada horseweed
 Pest 8 Type: W Code: CAPBP Capsella bursa-pastoris
 Common Name: Shepherd's purse

Site and Design

Plot Width, Unit: 6.67 FT Site Type: FIELD field
 Plot Length, Unit: 30 FT Experimental Unit: 1 PLOT plot
 Plot Area, Unit: 200.1 FT2 Tillage Type: NOTILL no-till
 Replications: 3 Study Design: RAOBL Randomized Complete Block (RCB)
 Untreated Arrangement: INCLUDED single control randomized in each block

No. Previous Crop Year

1. SOYBEAN 2011

Maintenance

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

Soil Description

Description Name: F-10 East
 % OM: 3.3 Texture: SICL silty clay loam
 pH: 6 Soil Name: Kokomo
 CEC: 25.7 Fert. Level: G good
 Soil Drainage: G good

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Application Description

	A	B
Application Date:	Nov-17-2011	Apr-25-2012
Time of Day:	10:00 A.M	10:00 A.M
Application Method:	SPRAY	SPRAY
Application Timing:	FALL	7 EPP
Application Placement:	BROFOL	BROFOL
Applied By:	McCormick	Bethel
Air Temperature, Unit:	38 F	55 f
% Relative Humidity:	49	62
Wind Velocity, Unit:	8 MPH	5 MPH
Wind Direction:	WSW	S
Dew Presence (Y/N):	N no	N no
Soil Temperature, Unit:	41 F	45 F
Soil Moisture:	SLIWET	GOOD
% Cloud Cover:	7	3
Next Rain Occurred On:	Nov-21-2011	Apr-26-2012

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale:	GLXMA	BSOY GLXMA BSOY

Pest Stage At Each Application

	A		B	
Pest 1 Code, Type, Scale:	STEME	W	STEME	W
Stage Majority, Percent:	19	100	65	100
Diameter, Unit:	3	IN	9	IN
Height, Unit:	1	IN	1	IN
Height Minimum, Maximum:	1	2	0.5	1
Density, Unit:	2.66	m2	2.66	m2
Pest 2 Code, Type, Scale:	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	3	IN
Height, Unit:	1	IN	5	IN
Height Minimum, Maximum:	1	2	5	6
Density, Unit:	5.32	m2	5.32	m2
Pest 3 Code, Type, Scale:	TAROF	W	TAROF	W
Stage Majority, Percent:	16	100	65	100
Diameter, Unit:	4	IN	8	IN
Height, Unit:	0.5	IN	3	IN
Height Minimum, Maximum:	0.5	1	2	3
Density, Unit:	0.25	m2	0.25	m2
Pest 4 Code, Type, Scale:	SENGL	W	SENGL	W
Stage Majority, Percent:	18	100	65	100
Diameter, Unit:	4	IN	4	IN
Height, Unit:	1	IN	12	IN
Height Minimum, Maximum:	1	1	12	14
Density, Unit:	0.25	m2	0.25	m2
Pest 5 Code, Type, Scale:	LAMAM	W	LAMAM	W
Stage Majority, Percent:			65	100
Diameter, Unit:			3	IN
Height, Unit:			5	IN
Height Minimum, Maximum:			5	6
Density, Unit:			1.33	m2
Pest 6 Code, Type, Scale:	ERYRE	W	ERYRE	W
Stage Majority, Percent:			65	100
Diameter, Unit:			4	IN
Height, Unit:			10	IN
Height Minimum, Maximum:			9	10
Density, Unit:			4	m2
Pest 7 Code, Type, Scale:	ERICA	W	ERICA	W
Stage Majority, Percent:			19	100
Diameter, Unit:			3	IN
Height, Unit:			2	IN
Height Minimum, Maximum:			0.5	4
Density, Unit:			47.88	m2
Pest 8 Code, Type, Scale:	CAPBP	W	CAPBP	W
Stage Majority, Percent:			69	100
Diameter, Unit:			4	IN
Height, Unit:			12	IN
Height Minimum, Maximum:			10	12
Density, Unit:			2.66	m2

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Application Equipment

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

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Location: WESTERN BRANCH F-10 E

Study Director:

Project ID:

Investigator: Dr. Mark M. Loux

Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	LAMPU	STEME	ERYRE	AMBTR							
Pest Scientific Name	Lamium purpure>	Stellaria media	Erysimum repa>	Ambrosia trifi>							
Pest Name	Purple deadnet>	Common chickwe>	Bushy wallflow>	Giant ragweed							
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%							
Number of Subsamples	1	1	1	1							
Rating Timing											
Days After First/Last Applic.											
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A							
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1							
Days After Emergence	-22 DE-1	-22 DE-1	-22 DE-1	-22 DE-1							
Number of Decimals	0	0	0	0							
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate	Growth Unit	Appl Stage	Code	1	2	3	4
1 check								0 d	0 c	0 c	0 c
2 Valor SX	0.064 lb ai/a		2 oz/a		FALL	A		100 a	100 a	100 a	94 a
2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
2 N-PAK AMS	5 % v/v		3 qt/a		FALL						
3 Fierce	0.143 lb ai/a		3 oz/a		FALL	A		98 ab	100 a	100 a	97 a
3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
3 N-PAK AMS	5 % v/v		3 qt/a		FALL						
4 VALOR XLT 4 OZ								100 a	100 a	100 a	100 a
4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A					
4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL						
4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
4 N-PAK AMS	5 % v/v		3 qt/a		FALL						
5 Valor SX	0.064 lb ai/a		2 oz/a		FALL	A		100 a	100 a	100 a	100 a
5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL						
5 V-10206	0.053 lb ai/a		1 oz/a		FALL						
5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
5 N-PAK AMS	5 % v/v		3 qt/a		FALL						
6 VALOR XLT 3 oz								100 a	100 a	100 a	100 a
6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A					
6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL						
6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
6 N-PAK AMS	5 % v/v		3 qt/a		FALL						
6 VALOR XLT 3 oz											
6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B					
6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP						
6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP						
6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP						
7 Valor SX	0.064 lb ai/a		2 oz/a		FALL	A		100 a	100 a	100 a	97 a
7 S3530	0.089 lb ai/a		2.85 oz/a		FALL						
7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
7 NIS	0.25 % v/v		4.8 oz/a		FALL						
8 Valor SX	0.064 lb ai/a		2 oz/a		FALL	A		100 a	100 a	100 a	100 a

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 Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	LAMPU	STEME	ERYRE	AMBTR					
Pest Scientific Name	Lamium purpure>	Stellaria media	Erysimum repa>	Ambrosia trifi>					
Pest Name	Purple deadnet>	Common chickwe>	Bushy wallflow>	Giant ragweed					
Rating Date	Apr-17-2012	Apr-17-2012	Apr-17-2012	Apr-17-2012					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Rating Timing									
Days After First/Last Applic.	152 152	152 152	152 152	152 152					
Trt-Eval Interval	152 DA-A	152 DA-A	152 DA-A	152 DA-A					
Plant-Eval Interval	-13 DP-1	-13 DP-1	-13 DP-1	-13 DP-1					
Days After Emergence	-22 DE-1	-22 DE-1	-22 DE-1	-22 DE-1					
Number of Decimals	0	0	0	0					
Trt Treatment	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	1	2	3	4
8 S3530	0.089 lb ai/a	2.85 oz/a		FALL					
8 NIS	0.25 % v/v	4.8 oz/a		FALL					
9 Valor SX	0.064 lb ai/a	2 oz/a		7 EPP	B	32 cd	33 bc	0 c	33 bc
9 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
9 2,4-D Ester	1 lb ai/a	1 qt/a		7 EPP					
9 N-PAK AMS	5 % v/v	3 qt/a		7 EPP					
10 VALOR XLT 3.5 oz						58 bc	63 ab	43 b	67 ab
10 Valor SX	0.0653 lb ai/a	2.05 oz/a		7 EPP	B				
10 Classic	0.0227 lb ai/a	1.45 oz/a		7 EPP					
10 Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
10 2,4-D Ester	1 lb ai/a	1 qt/a		7 EPP					
10 N-PAK AMS	5 % v/v	3 qt/a		7 EPP					
LSD (P=.05)						40.0	42.0	27.8	43.7
Standard Deviation						23.3	24.5	16.2	25.5
CV						29.62	30.75	21.83	32.34

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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	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	AT PLANT
Days After First/Last Applic.	165 5	165 5	165 5	165 5
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B
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	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	5	6	7	8
1	check							0 c	0 d	0 d	0 c
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	90 ab	100 a	100 a
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	2 N-PAK AMS	5 % v/v		3 qt/a		FALL					
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	100 a	82 b	100 a	100 a
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	3 N-PAK AMS	5 % v/v		3 qt/a		FALL					
4	VALOR XLT 4 OZ							100 a	100 a	100 a	100 a
	4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
	4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	4 N-PAK AMS	5 % v/v		3 qt/a		FALL					
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	100 a
	5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL					
	5 V-10206	0.053 lb ai/a		1 oz/a		FALL					
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	5 N-PAK AMS	5 % v/v		3 qt/a		FALL					
6	VALOR XLT 3 oz							100 a	100 a	100 a	100 a
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	6 N-PAK AMS	5 % v/v		3 qt/a		FALL					
	6 VALOR XLT 3 oz										
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
	6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	93 ab	100 a	100 a
	7 S3530	0.089 lb ai/a		2.85 oz/a		FALL					
	7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	7 NIS	0.25 % v/v		4.8 oz/a		FALL					
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	95 ab	100 a	100 a

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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	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	AT PLANT						
Days After First/Last Applic.	165 5	165 5	165 5	165 5						
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B						
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	0						
Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	5	6	7	8
8	S3530	0.089 lb ai/a	2.85 oz/a		FALL					
8	NIS	0.25 % v/v	4.8 oz/a		FALL					
9	Valor SX	0.064 lb ai/a	2 oz/a		7 EPP	B	60 b	63 c	60 b	50 b
9	Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
9	2,4-D Ester	1 lb ai/a	1 qt/a		7 EPP					
9	N-PAK AMS	5 % v/v	3 qt/a		7 EPP					
10	VALOR XLT 3.5 oz						60 b	60 c	57 c	50 b
10	Valor SX	0.0653 lb ai/a	2.05 oz/a		7 EPP	B				
10	Classic	0.0227 lb ai/a	1.45 oz/a		7 EPP					
10	Roundup PowerMax	0.77 lb ae/a	22 oz/a		7 EPP					
10	2,4-D Ester	1 lb ai/a	1 qt/a		7 EPP					
10	N-PAK AMS	5 % v/v	3 qt/a		7 EPP					
LSD (P=.05)							0.0	13.8	3.1	0.1
Standard Deviation							0.0	8.1	1.8	0.1
CV							0.0	10.28	2.24	0.07

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Pest Type	W Weed	W Weed	W Weed	W Weed
Pest Code	ERYRE	TAROF	ERICA	AMBTR
Pest Scientific Name	Erysimum repa>	Taraxacum offi>	Conyza canad>	Ambrosia trifi>
Pest Name	Bushy wallflow>	Common dandel>	Canada horsewe>	Giant ragweed
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	AT PLANT
Days After First/Last Applic.	165 5	165 5	165 5	165 5
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B
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	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
1	check							0 c	33 b	0 d	0 b
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	75 b	73 a
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	2 N-PAK AMS	5 % v/v		3 qt/a		FALL					
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	100 a	100 a	57 c	73 a
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	3 N-PAK AMS	5 % v/v		3 qt/a		FALL					
4	VALOR XLT 4 OZ							100 a	100 a	100 a	92 a
	4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
	4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	4 N-PAK AMS	5 % v/v		3 qt/a		FALL					
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	100 a
	5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL					
	5 V-10206	0.053 lb ai/a		1 oz/a		FALL					
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	5 N-PAK AMS	5 % v/v		3 qt/a		FALL					
6	VALOR XLT 3 oz							100 a	100 a	100 a	100 a
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	6 N-PAK AMS	5 % v/v		3 qt/a		FALL					
	6 VALOR XLT 3 oz										
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
	6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	97 a	100 a	80 b	82 a
	7 S3530	0.089 lb ai/a		2.85 oz/a		FALL					
	7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	7 NIS	0.25 % v/v		4.8 oz/a		FALL					
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	97 a	70 bc	80 a

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Pest Type	W Weed	W Weed	W Weed	W Weed							
Pest Code	ERYRE	TAROF	ERICA	AMBTR							
Pest Scientific Name	Erysimum repa>	Taraxacum offi>	Conyza canaden>	Ambrosia trifi>							
Pest Name	Bushy wallflow>	Common dandel>	Canada horsewe>	Giant ragweed							
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	AT PLANT							
Days After First/Last Applic.	165 5	165 5	165 5	165 5							
Trt-Eval Interval	5 DA-B	5 DA-B	5 DA-B	5 DA-B							
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	0							
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	9	10	11	12
8	S3530	0.089	lb ai/a	2.85	oz/a	FALL					
8	NIS	0.25	% v/v	4.8	oz/a	FALL					
9	Valor SX	0.064	lb ai/a	2	oz/a	7 EPP	B	53 b	49 b	83 b	83 a
9	Roundup PowerMax	0.77	lb ae/a	22	oz/a	7 EPP					
9	2,4-D Ester	1	lb ai/a	1	qt/a	7 EPP					
9	N-PAK AMS	5	% v/v	3	qt/a	7 EPP					
10	VALOR XLT 3.5 oz							53 b	57 b	83 b	85 a
10	Valor SX	0.0653	lb ai/a	2.05	oz/a	7 EPP	B				
10	Classic	0.0227	lb ai/a	1.45	oz/a	7 EPP					
10	Roundup PowerMax	0.77	lb ae/a	22	oz/a	7 EPP					
10	2,4-D Ester	1	lb ai/a	1	qt/a	7 EPP					
10	N-PAK AMS	5	% v/v	3	qt/a	7 EPP					
LSD (P=.05)								5.6	32.3	16.1	29.6
Standard Deviation								3.3	18.7	9.4	17.2
CV								4.08	22.42	12.55	22.44

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Pest Type	W Weed		W Weed		W Weed		W Weed				
Pest Code	LAMAM		STEME		LAMPU		CAPBP				
Pest Scientific Name	Lamium amplexi>		Stellaria media		Lamium purpure>		Capsella bursa>				
Pest Name	Henbit Common chickwe>				Purple deadnet>		Shepherd's pur>				
Rating Date	Apr-30-2012		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	AT PLANT										
Days After First/Last Applic.	165 5		179 19		179 19		179 19				
Trt-Eval Interval	5 DA-B		19 DA-B		19 DA-B		19 DA-B				
Plant-Eval Interval	0 DP-1		14 DP-1		14 DP-1		14 DP-1				
Days After Emergence	-9 DE-1		5 DE-1		5 DE-1		5 DE-1				
Number of Decimals	0		0		0		0				
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	13	14	15	16
1	check							0 d	0 b	0 b	0 c
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	87 b
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	2 N-PAK AMS	5 % v/v		3 qt/a		FALL					
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	100 a	100 a	100 a	100 a
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	3 N-PAK AMS	5 % v/v		3 qt/a		FALL					
4	VALOR XLT 4 OZ							100 a	100 a	100 a	100 a
	4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
	4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	4 N-PAK AMS	5 % v/v		3 qt/a		FALL					
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	100 a
	5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL					
	5 V-10206	0.053 lb ai/a		1 oz/a		FALL					
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	5 N-PAK AMS	5 % v/v		3 qt/a		FALL					
6	VALOR XLT 3 oz							100 a	100 a	100 a	100 a
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	6 N-PAK AMS	5 % v/v		3 qt/a		FALL					
	6 VALOR XLT 3 oz										
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
	6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	100 a
	7 S3530	0.089 lb ai/a		2.85 oz/a		FALL					
	7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	7 NIS	0.25 % v/v		4.8 oz/a		FALL					
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	100 a

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	LAMAM	STEME	LAMPU	CAPBP						
Pest Scientific Name	Lamium amplexi>	Stellaria media	Lamium purpure>	Capsella bursa>						
Pest Name	Henbit Common chickwe>		Purple deadnet>	Shepherd's pur>						
Rating Date	Apr-30-2012	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	AT PLANT									
Days After First/Last Applic.	165 5	179 19	179 19	179 19						
Trt-Eval Interval	5 DA-B	19 DA-B	19 DA-B	19 DA-B						
Plant-Eval Interval	0 DP-1	14 DP-1	14 DP-1	14 DP-1						
Days After Emergence	-9 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
8 S3530	0.089 lb ai/a		2.85 oz/a		FALL					
8 NIS	0.25 % v/v		4.8 oz/a		FALL					
9 Valor SX	0.064 lb ai/a		2 oz/a		7 EPP	B	60 c	93 a	100 a	100 a
9 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
9 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
9 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
10 VALOR XLT 3.5 oz							67 b	93 a	100 a	100 a
10 Valor SX	0.0653 lb ai/a		2.05 oz/a		7 EPP	B				
10 Classic	0.0227 lb ai/a		1.45 oz/a		7 EPP					
10 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
10 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
10 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
LSD (P=.05)							6.5	8.4	0.0	12.5
Standard Deviation							3.8	4.9	0.0	7.3
CV							4.54	5.49	0.0	8.24

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Pest Type	W Weed		W Weed		W Weed		W Weed				
Pest Code	VERAR		ERYRE		TAROF		ERICA				
Pest Scientific Name	Veronica arven>		Erysimum repa>		Taraxacum offi>		Conyza canad>				
Pest Name	Corn speedwell		Bushy wallflow>		Common dandel>		Canada horsewe>				
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 19		179 19		179 19		179 19				
Trt-Eval Interval	19 DA-B		19 DA-B		19 DA-B		19 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 No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	17	18	19	20
1	check							0 b	0 b	33 a	0 e
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	100 a	47 d
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	2 N-PAK AMS	5 % v/v		3 qt/a		FALL					
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	100 a	97 a	100 a	63 bc
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	3 N-PAK AMS	5 % v/v		3 qt/a		FALL					
4	VALOR XLT 4 OZ							100 a	100 a	100 a	100 a
	4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A				
	4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL					
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	4 N-PAK AMS	5 % v/v		3 qt/a		FALL					
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	97 a	100 a
	5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL					
	5 V-10206	0.053 lb ai/a		1 oz/a		FALL					
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	5 N-PAK AMS	5 % v/v		3 qt/a		FALL					
6	VALOR XLT 3 oz							100 a	100 a	97 a	100 a
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	6 N-PAK AMS	5 % v/v		3 qt/a		FALL					
	6 VALOR XLT 3 oz										
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B				
	6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP					
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP					
	6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP					
	6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP					
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	92 a	100 a	77 b
	7 S3530	0.089 lb ai/a		2.85 oz/a		FALL					
	7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL					
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL					
	7 NIS	0.25 % v/v		4.8 oz/a		FALL					
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	100 a	100 a	90 a	57 cd

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Pest Type	W Weed		W Weed		W Weed		W Weed		W Weed			
Pest Code	AMBTR		LAMAM		SETFA		ERICA		AMBTR			
Pest Scientific Name	Ambrosia trifi>		Lamium amplexi>		Setaria faberi		Conyza canaden>		Ambrosia trifi>			
Pest Name	Giant ragweed		Henbit		Giant foxtail		Canada horsewe>		Giant ragweed			
Rating Date	May-14-2012		May-14-2012		May-29-2012		May-29-2012		May-29-2012			
Rating Type	CONTRO		CONTRO		CONTRO		CONTRO		CONTRO			
Rating Unit	%		%		%		%		%			
Number of Subsamples	1		1		1		1		1			
Rating Timing												
Days After First/Last Applic.	179 19		179 19		194 34		194 34		194 34			
Trt-Eval Interval	19 DA-B		19 DA-B		34 DA-B		34 DA-B		34 DA-B			
Plant-Eval Interval	14 DP-1		14 DP-1		29 DP-1		29 DP-1		29 DP-1			
Days After Emergence	5 DE-1		5 DE-1		20 DE-1		20 DE-1		20 DE-1			
Number of Decimals	0		0		0		0		0			
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	21	22	23	24	25
1	check							0 d	0 a	0 c	0 e	0 e
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	23 cd	72 a	0 c	20 d	27 cd
	2 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	2 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	2 N-PAK AMS	5 % v/v		3 qt/a		FALL						
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	55 bc	63 a	0 c	20 d	20 cde
	3 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	3 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	3 N-PAK AMS	5 % v/v		3 qt/a		FALL						
4	VALOR XLT 4 OZ							72 ab	100 a	0 c	100 a	43 bc
	4 Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A					
	4 Classic	0.0258 lb ai/a		1.65 oz/a		FALL						
	4 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	4 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	4 N-PAK AMS	5 % v/v		3 qt/a		FALL						
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	80 ab	100 a	10 c	93 ab	43 bc
	5 Classic	0.0195 lb ai/a		1.25 oz/a		FALL						
	5 V-10206	0.053 lb ai/a		1 oz/a		FALL						
	5 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	5 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	5 N-PAK AMS	5 % v/v		3 qt/a		FALL						
6	VALOR XLT 3 oz							100 a	100 a	85 a	100 a	87 a
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A					
	6 Classic	0.0194 lb ai/a		1.24 oz/a		FALL						
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	6 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	6 N-PAK AMS	5 % v/v		3 qt/a		FALL						
	6 VALOR XLT 3 oz											
	6 Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B					
	6 Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP						
	6 Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP						
	6 2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP						
	6 N-PAK AMS	5 % v/v		3 qt/a		7 EPP						
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	60 abc	287 a	0 c	40 c	30 bcd
	7 S3530	0.089 lb ai/a		2.85 oz/a		FALL						
	7 2,4-D Ester	1 lb ai/a		1 qt/a		FALL						
	7 Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL						
	7 NIS	0.25 % v/v		4.8 oz/a		FALL						
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	63 abc	73 a	0 c	23 cd	13 de

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed							
Pest Code	AMBTR	LAMAM	SETFA	ERICA	AMBTR							
Pest Scientific Name	Ambrosia trifi>	Lamium amplexi>	Setaria faberi	Conyza canadens>	Ambrosia trifi>							
Pest Name	Giant ragweed	Henbit	Giant foxtail	Canada horsewe>	Giant ragweed							
Rating Date	May-14-2012	May-14-2012	May-29-2012	May-29-2012	May-29-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%							
Number of Subsamples	1	1	1	1	1							
Rating Timing												
Days After First/Last Applic.	179 19	179 19	194 34	194 34	194 34							
Trt-Eval Interval	19 DA-B	19 DA-B	34 DA-B	34 DA-B	34 DA-B							
Plant-Eval Interval	14 DP-1	14 DP-1	29 DP-1	29 DP-1	29 DP-1							
Days After Emergence	5 DE-1	5 DE-1	20 DE-1	20 DE-1	20 DE-1							
Number of Decimals	0	0	0	0	0							
Trt Treatment	Rate	Rate	Other	Other	Growth	Appl						
No. Name	Rate	Unit	Rate	Rate	Unit	Stage	Code	21	22	23	24	25
8 S3530	0.089	lb ai/a	2.85	oz/a		FALL						
8 NIS	0.25	% v/v	4.8	oz/a		FALL						
9 Valor SX	0.064	lb ai/a	2	oz/a		7 EPP	B	91 ab	100 a	63 b	80 b	53 b
9 Roundup PowerMax	0.77	lb ae/a	22	oz/a		7 EPP						
9 2,4-D Ester	1	lb ai/a	1	qt/a		7 EPP						
9 N-PAK AMS	5	% v/v	3	qt/a		7 EPP						
10 VALOR XLT 3.5 oz								99 a	100 a	88 a	98 ab	85 a
10 Valor SX	0.0653	lb ai/a	2.05	oz/a		7 EPP	B					
10 Classic	0.0227	lb ai/a	1.45	oz/a		7 EPP						
10 Roundup PowerMax	0.77	lb ae/a	22	oz/a		7 EPP						
10 2,4-D Ester	1	lb ai/a	1	qt/a		7 EPP						
10 N-PAK AMS	5	% v/v	3	qt/a		7 EPP						
LSD (P=.05)								42.8	195.3	12.5	19.0	26.2
Standard Deviation								24.9	113.9	7.3	11.1	15.3
CV								38.76	114.44	29.48	19.29	38.09

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Pest Type		W Weed	W Weed	W Weed						
Pest Code		CHEAL	AMARE	ABUTH						
Pest Scientific Name		Chenopodium al>	Amaranthus ret>	Abutilon						
Pest Name		Common lambsqu>	Redroot pigweed	velvetleaf						
Rating Date		May-29-2012	May-29-2012	May-29-2012						
Rating Type		CONTRO	CONTRO	CONTRO						
Rating Unit		%	%	%						
Number of Subsamples		1	1	1						
Rating Timing										
Days After First/Last Applic.		194 34	194 34	194 34						
Trt-Eval Interval		34 DA-B	34 DA-B	34 DA-B						
Plant-Eval Interval		29 DP-1	29 DP-1	29 DP-1						
Days After Emergence		20 DE-1	20 DE-1	20 DE-1						
Number of Decimals		0	0	0						
Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	26	27	28
1	check							0 c	0 c	0 c
2	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	10 bc	0 c	0 c
2	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
2	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
2	N-PAK AMS	5 % v/v		3 qt/a		FALL				
3	Fierce	0.143 lb ai/a		3 oz/a		FALL	A	17 bc	50 abc	53 b
3	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
3	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
3	N-PAK AMS	5 % v/v		3 qt/a		FALL				
4	VALOR XLT 4 OZ							100 a	100 a	3 c
4	Valor SX	0.075 lb ai/a		2.35 oz/a		FALL	A			
4	Classic	0.0258 lb ai/a		1.65 oz/a		FALL				
4	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
4	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
4	N-PAK AMS	5 % v/v		3 qt/a		FALL				
5	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	95 a	100 a	87 ab
5	Classic	0.0195 lb ai/a		1.25 oz/a		FALL				
5	V-10206	0.053 lb ai/a		1 oz/a		FALL				
5	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
5	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
5	N-PAK AMS	5 % v/v		3 qt/a		FALL				
6	VALOR XLT 3 oz							100 a	100 a	100 a
6	Valor SX	0.056 lb ai/a		1.76 oz/a		FALL	A			
6	Classic	0.0194 lb ai/a		1.24 oz/a		FALL				
6	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
6	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
6	N-PAK AMS	5 % v/v		3 qt/a		FALL				
6	VALOR XLT 3 oz									
6	Valor SX	0.056 lb ai/a		1.76 oz/a		7 EPP	B			
6	Classic	0.0194 lb ai/a		1.24 oz/a		7 EPP				
6	Roundup PowerMax	0.77 lb ae/a		22 oz/a		7 EPP				
6	2,4-D Ester	1 lb ai/a		1 qt/a		7 EPP				
6	N-PAK AMS	5 % v/v		3 qt/a		7 EPP				
7	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	10 bc	17 c	0 c
7	S3530	0.089 lb ai/a		2.85 oz/a		FALL				
7	2,4-D Ester	1 lb ai/a		1 qt/a		FALL				
7	Roundup PowerMax	0.77 lb ae/a		22 oz/a		FALL				
7	NIS	0.25 % v/v		4.8 oz/a		FALL				
8	Valor SX	0.064 lb ai/a		2 oz/a		FALL	A	30 b	43 bc	0 c

Ohio State University
Horticulture and Crop Science

Pest Type	W Weed	W Weed	W Weed			
Pest Code	CHEAL	AMARE	ABUTH			
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>			
Pest Name	Common lambsqu>	Redroot pigweed	velvetleaf			
Rating Date	May-29-2012	May-29-2012	May-29-2012			
Rating Type	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%			
Number of Subsamples	1	1	1			
Rating Timing						
Days After First/Last Applic.	194 34	194 34	194 34			
Trt-Eval Interval	34 DA-B	34 DA-B	34 DA-B			
Plant-Eval Interval	29 DP-1	29 DP-1	29 DP-1			
Days After Emergence	20 DE-1	20 DE-1	20 DE-1			
Number of Decimals	0	0	0			
Trt Treatment	Rate	Other Other	Growth Appl	26	27	28
No. Name	Rate Unit	Rate Rate Unit	Stage Code			
8 S3530	0.089 lb ai/a	2.85 oz/a	FALL			
8 NIS	0.25 % v/v	4.8 oz/a	FALL			
9 Valor SX	0.064 lb ai/a	2 oz/a	7 EPP B	87 a	77 ab	67 ab
9 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP			
9 2,4-D Ester	1 lb ai/a	1 qt/a	7 EPP			
9 N-PAK AMS	5 % v/v	3 qt/a	7 EPP			
10 VALOR XLT 3.5 oz				100 a	100 a	100 a
10 Valor SX	0.0653 lb ai/a	2.05 oz/a	7 EPP B			
10 Classic	0.0227 lb ai/a	1.45 oz/a	7 EPP			
10 Roundup PowerMax	0.77 lb ae/a	22 oz/a	7 EPP			
10 2,4-D Ester	1 lb ai/a	1 qt/a	7 EPP			
10 N-PAK AMS	5 % v/v	3 qt/a	7 EPP			
LSD (P=.05)				28.7	55.0	45.5
Standard Deviation				16.7	31.4	26.3
CV				30.49	53.58	64.21