



Ohio State University  
Horticulture and Crop Science

Application Description

	A	B
Application Date:	Jun-20-2012	Jun-26-2012
Time of Day:	8:00 AM	8:30 AM
Application Method:	SPRAY	SPRAY
Application Timing:	EPO	MPO
Application Placement:	BROFOL	BROFOL
Applied By:	REEB	REEB
Air Temperature, Unit:	79 F	63.7 F
% Relative Humidity:	79	58.4
Wind Velocity, Unit:	2 MPH	5 MPH
Wind Direction:	N	NE
Dew Presence (Y/N):	Y yes	N no
Soil Temperature, Unit:	72 F	68 F
Soil Moisture:	MOIST	DRY
% Cloud Cover:	0	0
Next Rain Occurred On:	Jun-29-2012	Jun-29-2012

Crop Stage At Each Application

	A		B	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:	BBCH		BBCH	
Stage Majority, Percent:	15	100	17	100
Height, Unit:	8	IN	10	IN
Height Minimum, Maximum:	7	8	10	12

Pest Stage At Each Application

	A		B	
Pest 1 Code, Type, Scale:	SETFA	W	SETFA	W
Stage Majority, Percent:	12	100	19	100
Height, Unit:	8	IN	12	IN
Height Minimum, Maximum:	6	8	8	16
Density, Unit:	55	M2	55	M2
Pest 2 Code, Type, Scale:	AMARE	W	AMARE	W
Stage Majority, Percent:	12	100	16	100
Height, Unit:	1.5	IN	6	IN
Height Minimum, Maximum:	1	2	4	6
Density, Unit:	16	M2	16	M2
Pest 3 Code, Type, Scale:	CHEAL	W	CHEAL	W
Stage Majority, Percent:	13	100	15	100
Height, Unit:	1.5	IN	6	IN
Height Minimum, Maximum:	1	2	4	6
Density, Unit:	3	M2	3	M2
Pest 4 Code, Type, Scale:	AMBTR	W	AMBTR	W
Stage Majority, Percent:	16	100	19	100
Height, Unit:	8	IN	13	IN
Height Minimum, Maximum:	6	8	8	13
Density, Unit:	5	M2	5	M2
Pest 5 Code, Type, Scale:	ABUTH	W	ABUTH	W
Stage Majority, Percent:	12	100	14	100
Height, Unit:	1.5	IN	6	IN
Height Minimum, Maximum:	1	2	4	6
Density, Unit:	2	M2	2	M2
Pest 6 Code, Type, Scale:	IPOHE	W	IPOHE	W
Stage Majority, Percent:	12	100	14	100
Height, Unit:	2	IN	4	IN
Height Minimum, Maximum:	1	2	2	5
Density, Unit:	1	M2	1	M2

Application Equipment

	A	B
Appl. Equipment:	Backpack	Backpack
Equipment Type:	SPRBAC	SPRBAC
Operation Pressure, Unit:	44 PSI	44 PSI
Nozzle Type:	AIXR	AIXR
Nozzle Size:	110015	110015
Nozzle Spacing, Unit:	18 IN	18 IN
Boom Length, Unit:	6 FT	6 FT
Boom Height, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	15 gal/ac	15 gal/ac
Mix Size, Unit:	2 Liters	2 Liters
Propellant:	COMCO2	COMCO2

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Horticulture and Crop Science

## Common and Giant Ragweed post efficacy

Title No. 2:

Trial ID: 12 POS2  
Location: Western Branch  
Project ID: V-10206 MD 64.01Protocol ID: 12 POS2  
Study Director: Bryan Reeb  
Investigator: Dr. Mark M. Loux  
Sponsor Contact: Eric Ott, Valent

Pest Type					W Weed	W Weed	W Weed	W Weed			
Pest Code					SETFA	AMBTR	CHEAL	AMARE			
Pest Scientific Name					Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>			
Pest Name					Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed			
Crop Code		GLXMA	GLXMA								
BBCH Scale		BSOY	BSOY								
Crop Scientific Name		Glycine max	Glycine max								
Crop Name		Soybean	Soybean								
Rating Date		Jul-2-2012	Jul-12-2012		Jul-12-2012	Jul-12-2012	Jul-12-2012	Jul-12-2012			
Rating Type		PHYNEC	PHYNEC		CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit		%	%		%	%	%	%			
Number of Subsamples		1	1		1	1	1	1			
Days After First/Last Applic.		12 6	22 16								
Trt-Eval Interval		12 DA-A	22 DA-A		22 DA-A	22 DA-A	22 DA-A	22 DA-A			
Plant-Eval Interval		45 DP-1	55 DP-1		55 DP-1	55 DP-1	55 DP-1	55 DP-1			
Days After Emergence		34 DE-1	44 DE-1								
Number of Decimals		0	0		0	0	0	0			
Trt Treatment	Rate	Other Rate	Other Rate	Growth Stage	Appl Code	1	2	3	4	5	6
1 UTC						0 f	0 d	0 a	0 e	0 g	0 f
2 Cobra	0.156 lb ai/a	10 oz/a		2-4" GRW A		1 ef	1 cd	0 a	68 a	78 cde	70 de
2 COC	0.625 % v/v	1 pt/a		2-4" GRW A							
2 N-pak ams	2.5 % v/v	2 qt/a		2-4" GRW A							
3 Cobra	0.188 lb ai/a	12 oz/a		2-4" GRW A		2 cde	1 bcd	0 a	64 ab	100 a	100 a
3 COC	0.625 % v/v	1 pt/a		2-4" GRW A							
3 N-pak ams	2.5 % v/v	2 qt/a		2-4" GRW A							
4 Cobra	0.156 lb ai/a	10 oz/a		2-4" GRW A		2 de	1 cd	0 a	48 bc	68 ef	100 a
4 V-10206	0.08 lb ai/a	1.5 oz/a		2-4" GRW A							
4 COC	0.625 % v/v	1 pt/a		2-4" GRW A							
4 N-pak ams	2.5 % v/v	2 qt/a		2-4" GRW A							
5 Cobra	0.188 lb ai/a	12 oz/a		2-4" GRW A		2 cde	2 a-d	0 a	48 bc	85 bc	93 abc
5 V-10206	0.096 lb ai/a	1.8 oz/a		2-4" GRW A							
5 COC	0.625 % v/v	1 pt/a		2-4" GRW A							
5 N-pak ams	2.5 % v/v	2 qt/a		2-4" GRW A							
6 Prefix	0.99 lb ai/a	1.5 pt/a		2-4" GRW A		2 cde	1 cd	0 a	40 cd	98 a	94 abc
6 COC	0.625 % v/v	1 pt/a		2-4" GRW A							
6 N-pak ams	2.5 % v/v	2 qt/a		2-4" GRW A							
7 Cobra	0.156 lb ai/a	10 oz/a		4-6" GRW B		3 b-e	1 bcd	0 a	55 abc	94 ab	93 abc
7 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
7 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
8 Cobra	0.188 lb ai/a	12 oz/a		4-6" GRW B		4 bcd	2 abc	0 a	48 bc	73 def	81 cd
8 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
8 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
9 Cobra	0.156 lb ai/a	10 oz/a		4-6" GRW B		3 b-e	2 a-d	0 a	50 bc	65 f	100 a
9 V-10206	0.08 lb ai/a	1.5 oz/a		4-6" GRW B							
9 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
9 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
10 Cobra	0.188 lb ai/a	12 oz/a		4-6" GRW B		4 ab	2 abc	0 a	50 bc	71 def	83 cd
10 V-10206	0.096 lb ai/a	1.8 oz/a		4-6" GRW B							
10 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
10 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
11 Prefix	0.99 lb ai/a	1.5 pt/a		4-6" GRW B		2 cde	1 cd	0 a	28 d	100 a	86 bc
11 COC	0.625 % v/v	1 pt/a		4-6" GRW 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 Type						W Weed	W Weed	W Weed	W Weed		
Pest Code						SETFA	AMBTR	CHEAL	AMARE		
Pest Scientific Name						Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>		
Pest Name						Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed		
Crop Code		GLXMA	GLXMA								
BBCH Scale		BSOY	BSOY								
Crop Scientific Name		Glycine max	Glycine max								
Crop Name		Soybean	Soybean								
Rating Date		Jul-2-2012	Jul-12-2012			Jul-12-2012	Jul-12-2012	Jul-12-2012	Jul-12-2012		
Rating Type		PHYNEC	PHYNEC			CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit			%			%	%	%	%		
Number of Subsamples		1	1			1	1	1	1		
Days After First/Last Applic.		12 6	22 16								
Trt-Eval Interval		12 DA-A	22 DA-A			22 DA-A	22 DA-A	22 DA-A	22 DA-A		
Plant-Eval Interval		45 DP-1	55 DP-1			55 DP-1	55 DP-1	55 DP-1	55 DP-1		
Days After Emergence		34 DE-1	44 DE-1								
Number of Decimals		0	0			0	0	0	0		
Trt Treatment	Rate	Other	Other	Growth	Appl						
No. Name	Rate	Rate	Rate	Unit Stage	Code	1	2	3	4		
	Unit	Unit	Unit			5	6				
12 Cobra	0.156 lb ai/a	10 oz/a		4-6" GRW B		6 a	3 a	0 a	60 ab	80 cd	88 abc
12 Resource	0.027 lb ai/a	4 oz/a		4-6" GRW B							
12 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
12 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
12 NIS	0.25 % v/v	0.2 qt/a		4-6" GRW B							
13 Cobra	0.188 lb ai/a	12 oz/a		4-6" GRW B		4 abc	3 ab	0 a	43 cd	100 a	98 ab
13 Resource	0.0403 lb ai/a	6 oz/a		4-6" GRW B							
13 COC	0.625 % v/v	1 pt/a		4-6" GRW B							
13 N-pak ams	2.5 % v/v	2 qt/a		4-6" GRW B							
13 NIS	0.25 % v/v	0.2 qt/a		4-6" GRW B							
14 Cadet	0.0064 lb ai/a	0.9 oz/a		4-6" GRW B		4 bcd	2 abc	0 a	39 cd	100 a	60 e
14 NIS	0.25 % v/v	0.2 qt/a		4-6" GRW B							
LSD (P=.05)						1.8	1.6	0.0	16.6	11.3	12.8
Standard Deviation						1.2	1.1	0.0	11.6	7.9	9.0
CV						44.78	83.64	0.0	25.5	9.98	11.0
Replicate F						1.376	0.370	0.000	3.908	2.644	4.455
Replicate Prob(F)						0.2645	0.7748	1.0000	0.0156	0.0626	0.0087
Treatment F						4.794	2.595	0.000	8.329	44.407	34.159
Treatment Prob(F)						0.0001	0.0107	1.0000	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	ABUTH	SETFA	AMBTR	CHEAL	AMARE				
Pest Scientific Name	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>				
Pest Name	velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed				
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	Jul-12-2012	Jul-25-2012	Jul-25-2012	Jul-25-2012	Jul-25-2012				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.									
Trt-Eval Interval	22 DA-A	29 DA-B	29 DA-B	29 DA-B	29 DA-B				
Plant-Eval Interval	55 DP-1	68 DP-1	68 DP-1	68 DP-1	68 DP-1				
Days After Emergence									
Number of Decimals	0	0	0	0	0				
Trt Treatment	Rate	Other Other	Growth	Appl					
No. Name	Rate	Rate	Rate Unit Stage	Code					
					7				
					8				
					9				
					10				
					11				
1 UTC					0 e	0 e	0 c	0 d	0 c
2 Cobra	0.156 lb ai/a	10 oz/a	2-4" GRW A		90 abc	55 a-d	58 ab	81 bc	73 ab
2 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
2 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
3 Cobra	0.188 lb ai/a	12 oz/a	2-4" GRW A		84 bcd	53 a-d	68 a	76 c	86 ab
3 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
3 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
4 Cobra	0.156 lb ai/a	10 oz/a	2-4" GRW A		88 a-d	65 a	55 ab	78 bc	71 ab
4 V-10206	0.08 lb ai/a	1.5 oz/a	2-4" GRW A						
4 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
4 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
5 Cobra	0.188 lb ai/a	12 oz/a	2-4" GRW A		100 a	60 ab	68 a	83 abc	88 ab
5 V-10206	0.096 lb ai/a	1.8 oz/a	2-4" GRW A						
5 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
5 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
6 Prefix	0.99 lb ai/a	1.5 pt/a	2-4" GRW A		100 a	58 abc	51 ab	100 a	80 ab
6 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
6 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
7 Cobra	0.156 lb ai/a	10 oz/a	4-6" GRW B		100 a	53 a-d	59 ab	95 ab	75 ab
7 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
7 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
8 Cobra	0.188 lb ai/a	12 oz/a	4-6" GRW B		75 d	50 bcd	55 ab	90 abc	80 ab
8 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
8 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
9 Cobra	0.156 lb ai/a	10 oz/a	4-6" GRW B		100 a	45 cd	63 ab	83 abc	95 a
9 V-10206	0.08 lb ai/a	1.5 oz/a	4-6" GRW B						
9 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
9 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
10 Cobra	0.188 lb ai/a	12 oz/a	4-6" GRW B		94 ab	60 ab	63 ab	80 bc	78 ab
10 V-10206	0.096 lb ai/a	1.8 oz/a	4-6" GRW B						
10 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
10 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
11 Prefix	0.99 lb ai/a	1.5 pt/a	4-6" GRW B		78 cd	55 a-d	43 b	93 abc	75 ab
11 COC	0.625 % v/v	1 pt/a	4-6" GRW B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed							
Pest Code	ABUTH	SETFA	AMBTR	CHEAL	AMARE							
Pest Scientific Name	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>							
Pest Name	velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed							
Crop Code												
BBCH Scale												
Crop Scientific Name												
Crop Name												
Rating Date	Jul-12-2012	Jul-25-2012	Jul-25-2012	Jul-25-2012	Jul-25-2012							
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO							
Rating Unit	%	%	%	%	%							
Number of Subsamples	1	1	1	1	1							
Days After First/Last Applic.												
Trt-Eval Interval	22 DA-A	29 DA-B	29 DA-B	29 DA-B	29 DA-B							
Plant-Eval Interval	55 DP-1	68 DP-1	68 DP-1	68 DP-1	68 DP-1							
Days After Emergence												
Number of Decimals	0	0	0	0	0							
Trt Treatment	Rate	Other	Other	Growth	Appl	7	8	9	10	11		
No. Name	Rate	Unit	Rate	Rate	Unit	Stage	Code					
12 Cobra	0.156 lb ai/a		10 oz/a			4-6" GRW B		98 a	60 ab	65 a	90 abc	65 b
12 Resource	0.027 lb ai/a		4 oz/a			4-6" GRW B						
12 COC	0.625 % v/v		1 pt/a			4-6" GRW B						
12 N-pak ams	2.5 % v/v		2 qt/a			4-6" GRW B						
12 NIS	0.25 % v/v		0.2 qt/a			4-6" GRW B						
13 Cobra	0.188 lb ai/a		12 oz/a			4-6" GRW B		98 a	43 d	64 a	95 ab	90 a
13 Resource	0.0403 lb ai/a		6 oz/a			4-6" GRW B						
13 COC	0.625 % v/v		1 pt/a			4-6" GRW B						
13 N-pak ams	2.5 % v/v		2 qt/a			4-6" GRW B						
13 NIS	0.25 % v/v		0.2 qt/a			4-6" GRW B						
14 Cadet	0.0064 lb ai/a		0.9 oz/a			4-6" GRW B		100 a	48 bcd	51 ab	95 ab	83 ab
14 NIS	0.25 % v/v		0.2 qt/a			4-6" GRW B						
LSD (P=.05)								12.5	15.0	20.9	18.6	23.9
Standard Deviation								8.8	10.5	14.6	13.0	16.8
CV								10.2	20.85	26.93	15.98	22.61
Replicate F								0.628	17.371	0.691	7.034	1.108
Replicate Prob(F)								0.6011	0.0001	0.5631	0.0007	0.3573
Treatment F								35.753	9.080	5.508	14.325	7.400
Treatment Prob(F)								0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	ABUTH	SETFA	AMBTR	CHEAL	AMARE				
Pest Scientific Name	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>				
Pest Name	velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed				
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	Jul-25-2012	Aug-7-2012	Aug-7-2012	Aug-7-2012	Aug-7-2012				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
Days After First/Last Applic.		48 42	48 42	48 42	48 42				
Trt-Eval Interval	29 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B				
Plant-Eval Interval	68 DP-1	81 DP-1	81 DP-1	81 DP-1	81 DP-1				
Days After Emergence		70 DE-1	70 DE-1	70 DE-1	70 DE-1				
Number of Decimals	0	0	0	0	0				
Trt Treatment	Rate	Other Other	Growth	Appl					
No. Name	Rate	Rate Rate	Unit Stage	Code					
					12				
					13				
					14				
					15				
					16				
1 UTC					0 d	0 e	0 c	0 c	0 f
2 Cobra	0.156 lb ai/a	10 oz/a	2-4" GRW A		88 abc	90 abc	71 a	83 ab	63 e
2 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
2 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
3 Cobra	0.188 lb ai/a	12 oz/a	2-4" GRW A		58 c	88 a-d	76 a	90 a	90 ab
3 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
3 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
4 Cobra	0.156 lb ai/a	10 oz/a	2-4" GRW A		80 abc	95 ab	63 ab	68 b	83 a-d
4 V-10206	0.08 lb ai/a	1.5 oz/a	2-4" GRW A						
4 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
4 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
5 Cobra	0.188 lb ai/a	12 oz/a	2-4" GRW A		100 a	85 bcd	70 a	93 a	95 a
5 V-10206	0.096 lb ai/a	1.8 oz/a	2-4" GRW A						
5 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
5 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
6 Prefix	0.99 lb ai/a	1.5 pt/a	2-4" GRW A		88 abc	94 ab	55 b	100 a	94 ab
6 COC	0.625 % v/v	1 pt/a	2-4" GRW A						
6 N-pak ams	2.5 % v/v	2 qt/a	2-4" GRW A						
7 Cobra	0.156 lb ai/a	10 oz/a	4-6" GRW B		83 abc	79 d	63 ab	90 a	78 b-e
7 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
7 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
8 Cobra	0.188 lb ai/a	12 oz/a	4-6" GRW B		65 bc	88 a-d	63 ab	83 ab	73 cde
8 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
8 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
9 Cobra	0.156 lb ai/a	10 oz/a	4-6" GRW B		93 ab	90 abc	68 ab	83 ab	96 a
9 V-10206	0.08 lb ai/a	1.5 oz/a	4-6" GRW B						
9 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
9 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
10 Cobra	0.188 lb ai/a	12 oz/a	4-6" GRW B		95 ab	93 ab	65 ab	80 ab	88 abc
10 V-10206	0.096 lb ai/a	1.8 oz/a	4-6" GRW B						
10 COC	0.625 % v/v	1 pt/a	4-6" GRW B						
10 N-pak ams	2.5 % v/v	2 qt/a	4-6" GRW B						
11 Prefix	0.99 lb ai/a	1.5 pt/a	4-6" GRW B		80 abc	98 a	55 b	100 a	91 ab
11 COC	0.625 % v/v	1 pt/a	4-6" GRW B						

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed						
Pest Code	ABUTH	SETFA	AMBTR	CHEAL	AMARE						
Pest Scientific Name	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>						
Pest Name	velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed						
Crop Code											
BBCH Scale											
Crop Scientific Name											
Crop Name											
Rating Date	Jul-25-2012	Aug-7-2012	Aug-7-2012	Aug-7-2012	Aug-7-2012						
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO						
Rating Unit	%	%	%	%	%						
Number of Subsamples	1	1	1	1	1						
Days After First/Last Applic.		48 42	48 42	48 42	48 42						
Trt-Eval Interval	29 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B						
Plant-Eval Interval	68 DP-1	81 DP-1	81 DP-1	81 DP-1	81 DP-1						
Days After Emergence		70 DE-1	70 DE-1	70 DE-1	70 DE-1						
Number of Decimals	0	0	0	0	0						
Trt Treatment	Rate	Other	Other	Growth	Appl	12	13	14	15	16	
No. Name	Rate	Unit	Rate	Rate	Unit Stage	Code					
12 Cobra	0.156 lb ai/a		10 oz/a		4-6" GRW B		90 ab	93 ab	66 ab	90 a	70 de
12 Resource	0.027 lb ai/a		4 oz/a		4-6" GRW B						
12 COC	0.625 % v/v		1 pt/a		4-6" GRW B						
12 N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B						
12 NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B						
13 Cobra	0.188 lb ai/a		12 oz/a		4-6" GRW B		85 abc	81 cd	65 ab	84 ab	81 a-d
13 Resource	0.0403 lb ai/a		6 oz/a		4-6" GRW B						
13 COC	0.625 % v/v		1 pt/a		4-6" GRW B						
13 N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B						
13 NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B						
14 Cadet	0.0064 lb ai/a		0.9 oz/a		4-6" GRW B		100 a	85 bcd	63 ab	95 a	88 abc
14 NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B						
LSD (P=.05)							30.8	10.9	15.0	21.5	17.0
Standard Deviation							21.6	7.6	10.5	15.0	11.9
CV							27.38	9.21	17.45	18.53	15.31
Replicate F							2.258	20.907	0.589	2.250	1.317
Replicate Prob(F)							0.0969	0.0001	0.6260	0.0977	0.2826
Treatment F							5.650	41.002	12.067	10.958	17.008
Treatment Prob(F)							0.0001	0.0001	0.0001	0.0001	0.0001



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Pest Type	W Weed
Pest Code	ABUTH
Pest Scientific Name	Abutilon theop>
Pest Name	velvetleaf
Crop Code	
BBCH Scale	
Crop Scientific Name	
Crop Name	
Rating Date	Aug-7-2012
Rating Type	CONTRO
Rating Unit	%
Number of Subsamples	1
Days After First/Last Applic.	48 42
Trt-Eval Interval	42 DA-B
Plant-Eval Interval	81 DP-1
Days After Emergence	70 DE-1
Number of Decimals	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	
								17
1	UTC							0 d
2	Cobra	0.156 lb ai/a		10 oz/a		2-4" GRW A		95 ab
2	COC	0.625 % v/v		1 pt/a		2-4" GRW A		
2	N-pak ams	2.5 % v/v		2 qt/a		2-4" GRW A		
3	Cobra	0.188 lb ai/a		12 oz/a		2-4" GRW A		65 c
3	COC	0.625 % v/v		1 pt/a		2-4" GRW A		
3	N-pak ams	2.5 % v/v		2 qt/a		2-4" GRW A		
4	Cobra	0.156 lb ai/a		10 oz/a		2-4" GRW A		78 abc
4	V-10206	0.08 lb ai/a		1.5 oz/a		2-4" GRW A		
4	COC	0.625 % v/v		1 pt/a		2-4" GRW A		
4	N-pak ams	2.5 % v/v		2 qt/a		2-4" GRW A		
5	Cobra	0.188 lb ai/a		12 oz/a		2-4" GRW A		100 a
5	V-10206	0.096 lb ai/a		1.8 oz/a		2-4" GRW A		
5	COC	0.625 % v/v		1 pt/a		2-4" GRW A		
5	N-pak ams	2.5 % v/v		2 qt/a		2-4" GRW A		
6	Prefix	0.99 lb ai/a		1.5 pt/a		2-4" GRW A		100 a
6	COC	0.625 % v/v		1 pt/a		2-4" GRW A		
6	N-pak ams	2.5 % v/v		2 qt/a		2-4" GRW A		
7	Cobra	0.156 lb ai/a		10 oz/a		4-6" GRW B		75 abc
7	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
7	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
8	Cobra	0.188 lb ai/a		12 oz/a		4-6" GRW B		73 bc
8	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
8	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
9	Cobra	0.156 lb ai/a		10 oz/a		4-6" GRW B		90 abc
9	V-10206	0.08 lb ai/a		1.5 oz/a		4-6" GRW B		
9	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
9	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
10	Cobra	0.188 lb ai/a		12 oz/a		4-6" GRW B		100 a
10	V-10206	0.096 lb ai/a		1.8 oz/a		4-6" GRW B		
10	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
10	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
11	Prefix	0.99 lb ai/a		1.5 pt/a		4-6" GRW B		95 ab
11	COC	0.625 % v/v		1 pt/a		4-6" GRW B		

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Pest Type W Weed  
 Pest Code ABUTH  
 Pest Scientific Name Abutilon theop>  
 Pest Name velvetleaf  
 Crop Code  
 BBCH Scale  
 Crop Scientific Name  
 Crop Name  
 Rating Date Aug-7-2012  
 Rating Type CONTRO  
 Rating Unit %  
 Number of Subsamples 1  
 Days After First/Last Applic. 48 42  
 Trt-Eval Interval 42 DA-B  
 Plant-Eval Interval 81 DP-1  
 Days After Emergence 70 DE-1  
 Number of Decimals 0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code	
12	Cobra	0.156 lb ai/a		10 oz/a		4-6" GRW B		88 abc
12	Resource	0.027 lb ai/a		4 oz/a		4-6" GRW B		
12	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
12	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
12	NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B		
13	Cobra	0.188 lb ai/a		12 oz/a		4-6" GRW B		73 bc
13	Resource	0.0403 lb ai/a		6 oz/a		4-6" GRW B		
13	COC	0.625 % v/v		1 pt/a		4-6" GRW B		
13	N-pak ams	2.5 % v/v		2 qt/a		4-6" GRW B		
13	NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B		
14	Cadet	0.0064 lb ai/a		0.9 oz/a		4-6" GRW B		100 a
14	NIS	0.25 % v/v		0.2 qt/a		4-6" GRW B		
LSD (P=.05)								26.7
Standard Deviation								18.7
CV								23.11
Replicate F								2.422
Replicate Prob(F)								0.0804
Treatment F								7.929
Treatment Prob(F)								0.0001