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Pest Stage At Each Application

	A		B	
Pest 1 Code, Type, Scale:	AMBTR	W	AMBTR	W
Stage Majority, Percent:	16	100	16	100
Diameter, Unit:	8	IN		
Height, Unit:	4.5	IN	4	IN
Height Minimum, Maximum:	4	5	4	5
Density, Unit:	12	M2	12	M2
Pest 2 Code, Type, Scale:	CAPBP	W	CAPBP	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	8	IN		
Height, Unit:	13	IN		
Height Minimum, Maximum:	12	13		
Density, Unit:	2	M2		
Pest 3 Code, Type, Scale:	VERPG	W	VERPG	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	5	IN		
Height, Unit:	5	IN		
Height Minimum, Maximum:	4	5		
Density, Unit:	0.33	M2		
Pest 4 Code, Type, Scale:	RANAB	W	RANAB	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	4	IN		
Height, Unit:	13	IN		
Height Minimum, Maximum:	12	13		
Density, Unit:	0.33	M2		
Pest 5 Code, Type, Scale:	ERYRE	W	ERYRE	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	4	IN		
Height, Unit:	10	IN		
Height Minimum, Maximum:	8	10		
Density, Unit:	0.33	M2		
Pest 6 Code, Type, Scale:	ERICA	W	ERICA	W
Stage Majority, Percent:	19	100	19	100
Diameter, Unit:	6	IN		
Height, Unit:	4	IN	8	IN
Height Minimum, Maximum:	3	4	8	12
Density, Unit:	3	M2	3	M2
Pest 7 Code, Type, Scale:	LAMPU	W	LAMPU	W
Stage Majority, Percent:	65	100		
Diameter, Unit:	3.5	IN		
Height, Unit:	4	IN		
Height Minimum, Maximum:	3	4		
Density, Unit:	5	M2		

Application Equipment

	A		B	
Appl. Equipment:	6 FOOT BOOM		6 FOOT BOOM	
Equipment Type:	SPRBAC		SPRBAC	
Operation Pressure, Unit:	46	PSI	46	PSI
Nozzle Type:	AI XR		AI XR	
Nozzle Size:	110015		110015	
Nozzle Spacing, Unit:	18	IN	18	IN
Boom Length, Unit:	6.67	FT	6.67	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:	1	Liters	1	Liters
Propellant:	CO2		CO2	

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Giant Ragweed Control with Cobra and Dicamba Combinations

Trial ID: 14COBRABG
Protocol ID: 14COBRABG
Project ID: Cobra MD 64.01

Location: Western Branch Trial Year: 2014
Investigator: Dr. Mark M. Loux
Study Director: Anthony Dobbels
Sponsor Contact: Eric Ott, Valent

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERICA	AMBTR	ERICA	AMBTR
Pest Scientific Name	Ambrosia trifi>	Conyza canaden>	Ambrosia trifi>	Conyza canaden>	Ambrosia trifi>
Pest Name	Giant ragweed	Canada horsewe>	Giant ragweed	Canada horsewe>	Giant ragweed
Rating Date	May-26-2014	May-26-2014	Jun-2-2014	Jun-2-2014	Jun-16-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	1	2	3	4	5
Days After First/Last Applic.	7 7	7 7	14 6	14 6	28 20
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A	28 DA-A
ARM Action Codes		ET10		ER3	
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Unit Code	1	2	3	4	5
1	UTC					0	0	0	0	0
2	Clarity	0.25 lb ai/a	8 oz/a		A	70	60	70	60	87
3	Clarity	0.5 lb ai/a	16 oz/a		A	72	60	75	60	90
4	Cobra	0.156 lb ai/a	10 oz/a		A	68	0	60	0	37
4	COC	1 pt/a	1 pt/a		A					
5	Cobra	0.195 lb ai/a	12.5 oz/a		A	68	0	50	0	30
5	COC	1 pt/a	1 pt/a		A					
6	Cobra	0.25 lb ai/a	16 oz/a		A	77	0	70	15	43
6	COC	1 pt/a	1 pt/a		A					
7	Clarity	0.25 lb ai/a	8 oz/a		A	83	60	80	60	88
7	Cobra	0.156 lb ai/a	10 oz/a		A					
7	COC	1 pt/a	1 pt/a		A					
8	Clarity	0.25 lb ai/a	8 oz/a		A	85	60	87	55	93
8	Cobra	0.195 lb ai/a	12.5 oz/a		A					
8	COC	1 pt/a	1 pt/a		A					
9	Clarity	0.5 lb ai/a	16 oz/a		A	82	60	83	63	87
9	Cobra	0.156 lb ai/a	10 oz/a		A					
9	COC	1 pt/a	1 pt/a		A					
10	Clarity	0.5 lb ai/a	16 oz/a		A	87	63	85	67	97
10	Cobra	0.195 lb ai/a	12.5 oz/a		A					
10	COC	1 pt/a	1 pt/a		A					
11	Clarity	0.25 lb ai/a	8 oz/a		A	68	60	75	70	95
11	Cobra	0.156 lb ai/a	10 oz/a		B					
11	COC	1 pt/a	1 pt/a		B					
12	Clarity	0.25 lb ai/a	8 oz/a		A	73	60	70	60	97
12	Cobra	0.195 lb ai/a	12.5 oz/a		B					
12	COC	1 pt/a	1 pt/a		B					
13	Clarity	0.5 lb ai/a	16 oz/a		A	73	60	80	60	98
13	Cobra	0.156 lb ai/a	10 oz/a		B					
13	COC	1 pt/a	1 pt/a		B					
14	Clarity	0.5 lb ai/a	16 oz/a		A	73	60	73	63	96
14	Cobra	0.195 lb ai/a	12.5 oz/a		B					
14	COC	1 pt/a	1 pt/a		B					

t=Mean descriptions are reported in transformed data units, and are not de-transformed.
Missing data estimates are included in columns:Average=2,4,6

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	ERICA	AMBTR	ERICA	AMBTR
Pest Scientific Name	Ambrosia trifi>	Conyza canad>	Ambrosia trifi>	Conyza canad>	Ambrosia trifi>
Pest Name	Giant ragweed	Canada horsewe>	Giant ragweed	Canada horsewe>	Giant ragweed
Rating Date	May-26-2014	May-26-2014	Jun-2-2014	Jun-2-2014	Jun-16-2014
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
SE Group No.	1	2	3	4	5
Days After First/Last Applic.	7 7	7 7	14 6	14 6	28 20
Trt-Eval Interval	7 DA-A	7 DA-A	14 DA-A	14 DA-A	28 DA-A
ARM Action Codes		ET10		ER3	
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Other	Other	Appl	
No. Name	Rate	Unit	Rate	Rate	Unit Code
15 Clarity	0.25 lb ai/a		8 oz/a		A
15 Flexstar	0.352 lb ai/a		1.5 pt/a		B
15 COC	1 pt/a		1 pt/a		B
16 Clarity	0.5 lb ai/a		16 oz/a		A
16 Flexstar	0.352 lb ai/a		1.5 pt/a		B
16 COC	1 pt/a		1 pt/a		B
LSD (P=.05)	8.6		2.9		14.9
Standard Deviation	5.1		1.7		9.0
CV	7.32		3.82		12.95
Bartlett's X2	15.083		0.0		14.219
P(Bartlett's X2)	0.179		.		0.221
Skewness	-2.8818*		-0.8552*		-2.2018*
Kurtosis	8.5221*		-1.3177		4.988*
Replicate F	0.523		0.700		0.474
Replicate Prob(F)	0.5980		0.5078		0.6272
Treatment F	44.134		733.180		15.896
Treatment Prob(F)	0.0001		0.0001		0.0001

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Pest Type W Weed
 Pest Code ERICA
 Pest Scientific Name Conyza canadensis
 Pest Name Canada horseweed
 Rating Date Jun-16-2014
 Rating Type CONTRO
 Rating Unit %
 Number of Subsamples 1
 SE Group No. 6
 Days After First/Last Applic. 28 20
 Trt-Eval Interval 28 DA-A
 ARM Action Codes AA
 Number of Decimals 0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Unit Code	
1	UTC					0
2	Clarity	0.25 lb ai/a	8 oz/a		A	95
3	Clarity	0.5 lb ai/a	16 oz/a		A	95
4	Cobra	0.156 lb ai/a	10 oz/a		A	0
4	COC	1 pt/a	1 pt/a		A	
5	Cobra	0.195 lb ai/a	12.5 oz/a		A	0
5	COC	1 pt/a	1 pt/a		A	
6	Cobra	0.25 lb ai/a	16 oz/a		A	0
6	COC	1 pt/a	1 pt/a		A	
7	Clarity	0.25 lb ai/a	8 oz/a		A	85
7	Cobra	0.156 lb ai/a	10 oz/a		A	
7	COC	1 pt/a	1 pt/a		A	
8	Clarity	0.25 lb ai/a	8 oz/a		A	95
8	Cobra	0.195 lb ai/a	12.5 oz/a		A	
8	COC	1 pt/a	1 pt/a		A	
9	Clarity	0.5 lb ai/a	16 oz/a		A	92
9	Cobra	0.156 lb ai/a	10 oz/a		A	
9	COC	1 pt/a	1 pt/a		A	
10	Clarity	0.5 lb ai/a	16 oz/a		A	93
10	Cobra	0.195 lb ai/a	12.5 oz/a		A	
10	COC	1 pt/a	1 pt/a		A	
11	Clarity	0.25 lb ai/a	8 oz/a		A	93
11	Cobra	0.156 lb ai/a	10 oz/a		B	
11	COC	1 pt/a	1 pt/a		B	
12	Clarity	0.25 lb ai/a	8 oz/a		A	100
12	Cobra	0.195 lb ai/a	12.5 oz/a		B	
12	COC	1 pt/a	1 pt/a		B	
13	Clarity	0.5 lb ai/a	16 oz/a		A	100
13	Cobra	0.156 lb ai/a	10 oz/a		B	
13	COC	1 pt/a	1 pt/a		B	
14	Clarity	0.5 lb ai/a	16 oz/a		A	100
14	Cobra	0.195 lb ai/a	12.5 oz/a		B	
14	COC	1 pt/a	1 pt/a		B	

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Pest Type	W Weed
Pest Code	ERICA
Pest Scientific Name	Conyza canadensis
Pest Name	Canada horseweed
Rating Date	Jun-16-2014
Rating Type	CONTRO
Rating Unit	%
Number of Subsamples	1
SE Group No.	6
Days After First/Last Applic.	28 20
Trt-Eval Interval	28 DA-A
ARM Action Codes	AA
Number of Decimals	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	
							6
15	Clarity	0.25 lb ai/a		8 oz/a		A	95
15	Flexstar	0.352 lb ai/a		1.5 pt/a		B	
15	COC	1 pt/a		1 pt/a		B	
16	Clarity	0.5 lb ai/a		16 oz/a		A	98
16	Flexstar	0.352 lb ai/a		1.5 pt/a		B	
16	COC	1 pt/a		1 pt/a		B	

LSD (P=.05)	18.5t
Standard Deviation	11.0t
CV	18.49
Bartlett's X2	0.578
P(Bartlett's X2)	0.999
Skewness	-0.7155
Kurtosis	-1.2788

Replicate F	0.392
Replicate Prob(F)	0.6803
Treatment F	32.212
Treatment Prob(F)	0.0001

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Giant Ragweed Control with Cobra and Dicamba Combinations

Trial ID: 14COBRABG Location: Western Branch Trial Year: 2014
Protocol ID: 14COBRABG Investigator: Dr. Mark M. Loux
Project ID: Cobra MD 64.01 Study Director: Anthony Dobbels
Sponsor Contact: Eric Ott, Valent

Pest Type

W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop

Pest Code

AMBTR, Ambrosia trifida, = US

ERICA, Conyza canadensis, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

ARM Action Codes

AA = Automatic arcsine square root % transformation