

Fierce Giant Ragweed Programs for RR2X Soybeans

Trial ID: 15FIERCEBGRW Location: Western Branch F-6 Trial Year: 2015
 Protocol ID: 15FIERCEBGRW Investigator: Dr. Mark M. Loux
 Project ID: Fierce MD 64.07 Study Director: Anthony Dobbels
 Sponsor Contact: Eric Ott, Valent

General Trial Information

Study Director: Anthony Dobbels
Investigator: Dr. Mark M. Loux

Trial Location

City: South Charleston **Country:** USA United States
State/Prov.: Ohio
Postal Code: 45368 **Climate Zone:** USWARM US Warm Continental

Latitude of LL Corner °: 39.85599 N
Longitude of LL Corner °: 83.67136 W

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Anthony Dobbels

Investigator: Dr. Mark M. Loux

Pest Description

Pest 1 Type: W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail

Pest 2 Type: W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed

Pest 3 Type: W **Code:** CHEAL *Chenopodium album*
Common Name: Common lambsquarters

Pest 4 Type: W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed

Pest 5 Type: W **Code:** ABUTH *Abrutylon theophrasti*
Common Name: velvetleaf

Pest 6 Type: W **Code:** IPOHE *Ipomoea hederacea*
Common Name: Ivyleaf morningglory

Site and Design

Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT² **Treatments:** 10
Replications: 3

Study Design: RACOB L Randomized Complete Block (RCB)

Soil Description

Description Name: F-6
% OM: 2 **Texture:** SIC silty clay
pH: 6.2 **Soil Name:** Crosby
CEC: 14.5 **Fert. Level:** G good
Soil Drainage: G good

Application Description

	A	B
Application Date:	5-8-2015	6-4-2015
Appl. Start Time:	11:00 AM	10:00 AM
Appl. Stop Time:	11:30 AM	10:20 AM
Application Method:	SPRAY	SPRAY
Application Timing:	PRE	POST
Application Placement:	BROSOI	BROFOL
Applied By:	Ackley	Bethel
Air Temperature, Unit:	73 F	70 F
% Relative Humidity:	66	73
Wind Velocity, Unit:	2 MPH	1 MPH
Wind Direction:	S	NE
Dew Presence (Y/N):	N no	Y yes
Soil Temperature, Unit:	61 F	62 F
Soil Moisture:	DRY	WET
% Cloud Cover:	10	10
Next Moisture Occurred On:	5-11-2015	6-5-2015
Time to Next Moisture, Unit:	3 DAY	1 DAY

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale:	SETFA W	SETFA W
Stage Majority, Percent:		12 90
Stage Minimum, Percent:		12 90
Stage Maximum, Percent:		13 10
Height, Unit:		3 IN
Height Minimum, Maximum:		2 3
Density, Unit:		125 M2
Pest 2 Code, Type, Scale:	AMBTR W	AMBTR W
Stage Majority, Percent:		12 80
Stage Minimum, Percent:		10 20
Stage Maximum, Percent:		14 10
Diameter, Unit:		2 IN
Height, Unit:		3 IN
Height Minimum, Maximum:		1 3
Density, Unit:		8 M2
Pest 3 Code, Type, Scale:	CHEAL W	CHEAL W
Stage Majority, Percent:		14 80
Stage Minimum, Percent:		12 20
Stage Maximum, Percent:		14 80
Diameter, Unit:		1 IN
Height, Unit:		2 IN
Height Minimum, Maximum:		2 3
Density, Unit:		3 M2
Pest 4 Code, Type, Scale:	AMARE W	AMARE W
Stage Majority, Percent:		14 80
Stage Minimum, Percent:		12 20
Stage Maximum, Percent:		14 80
Diameter, Unit:		1 IN
Height, Unit:		1 IN
Height Minimum, Maximum:		0.5 1
Density, Unit:		3 M2
Pest 5 Code, Type, Scale:	ABUTH W	ABUTH W
Stage Majority, Percent:		12 80
Stage Minimum, Percent:		12 80
Stage Maximum, Percent:		13 20
Diameter, Unit:		1 IN
Height, Unit:		2 IN
Height Minimum, Maximum:		2 3
Density, Unit:		1 M2
Pest 6 Code, Type, Scale:	IPOHE W	IPOHE W
Stage Majority, Percent:		10 80
Stage Minimum, Percent:		10 80
Stage Maximum, Percent:		12 20
Diameter, Unit:		1 IN
Height, Unit:		1 IN
Height Minimum, Maximum:		0.5 1
Density, Unit:		0.33 M2

Application Equipment

	A	B
Appl. Equipment:	6 FOOT BOOM	6 Foot TTI
Equipment Type:	SPRBAC	SPRBAC
Operation Pressure, Unit:	46 PSI	40 PSI
Nozzle Type:	AI XR	TTI
Nozzle Size:	110015	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:	1 Liters	1 Liters
Propellant:	CO2	CO2

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Trt	Treatment	Other	Other	Appl	Appl	W Weed	W Weed	W Weed	W Weed	
No.	Name	Rate	Rate	Unit	Code	Description	1	2	3	4
							W Weed	W Weed	W Weed	W Weed
							SETFA	AMBTR	CHEAL	AMARE
							Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>
							Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed
							6-4-2015	6-4-2015	6-4-2015	6-4-2015
							CONTRO	CONTRO	CONTRO	CONTRO
							%	%	%	%
							1	1	1	1
							27 27	27 27	27 27	27 27
							27 DA-A	27 DA-A	27 DA-A	27 DA-A
							0	0	0	0
1	UNTREATED CHECK						0 c	0 d	0 b	0 b
2	Clarity	1 pt/a		A	PRE		57 b	78 b	100 a	100 a
2	Roundup PowerMax	32 oz/a		B	POST					
2	Clarity	1 pt/a		B	POST					
2	Interlock	4 oz/a		B	POST					
3	Clarity	1 pt/a		A	PRE		80 a	96 a	100 a	100 a
3	Valor SX	2.5 oz/a		A	PRE					
3	Roundup PowerMax	32 oz/a		B	POST					
3	Clarity	1 pt/a		B	POST					
3	Interlock	4 oz/a		B	POST					
4	Clarity	1 pt/a		A	PRE		53 b	78 b	100 a	100 a
4	Roundup PowerMax	32 oz/a		B	POST					
4	Clarity	1 pt/a		B	POST					
4	Cobra	12.5 oz/a		B	POST					
4	COC	1 pt/a		B	POST					
4	Interlock	4 oz/a		B	POST					
5	Clarity	1 pt/a		A	PRE		80 a	78 b	100 a	100 a
5	Valor SX	2.5 oz/a		A	PRE					
5	Roundup PowerMax	32 oz/a		B	POST					
5	Clarity	1 pt/a		B	POST					
5	Cobra	12.5 oz/a		B	POST					
5	COC	1 pt/a		B	POST					
5	Interlock	4 oz/a		B	POST					
6	Clarity	1 pt/a		A	PRE		86 a	95 a	100 a	100 a
6	Fierce	3 oz/a		A	PRE					
6	Roundup PowerMax	32 oz/a		B	POST					
6	Clarity	1 pt/a		B	POST					
6	Interlock	4 oz/a		B	POST					
7	Clarity	1 pt/a		A	PRE		86 a	83 ab	100 a	100 a
7	Fierce	3 oz/a		A	PRE					
7	Roundup PowerMax	32 oz/a		B	POST					
7	Clarity	1 pt/a		B	POST					
7	Cobra	12.5 oz/a		B	POST					
7	COC	1 pt/a		B	POST					
7	Interlock	4 oz/a		B	POST					

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.

Could not calculate LSD (% mean diff) for columns 3,4,5,9,10,11,12,15,16,17,19 because error mean square = 0.

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				
Rating Date	6-4-2015	6-4-2015	6-4-2015	6-4-2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Days After First/Last Applic.	27 27	27 27	27 27	27 27				
Trt-Eval Interval	27 DA-A	27 DA-A	27 DA-A	27 DA-A				
Number of Decimals	0	0	0	0				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	Appl Description	1	2	3	4
8 Valor SX	2.5 oz/a		A	PRE	57 b	37 c	100 a	100 a
8 Roundup PowerMax	32 oz/a		B	POST				
8 Clarity	1 pt/a		B	POST				
8 Interlock	4 oz/a		B	POST				
9 V-10404	30 oz/a		A	PRE	84 a	93 ab	100 a	100 a
9 Roundup PowerMax	32 oz/a		B	POST				
9 Clarity	1 pt/a		B	POST				
9 Interlock	4 oz/a		B	POST				
10 V-10404	30 oz/a		A	PRE	83 a	92 ab	100 a	100 a
10 Roundup PowerMax	32 oz/a		B	POST				
10 Clarity	1 pt/a		B	POST				
10 Cobra	12.5 oz/a		B	POST				
10 COC	1 pt/a		B	POST				
10 Interlock	4 oz/a		B	POST				
LSD P=.05					10.7	16.8	.	.
Standard Deviation					6.2	9.8	0.0	0.0
CV					9.34	13.45	0.0	0.0
Grand Mean					66.5	73.0	90.0	90.0
Bartlett's X2					14.196	8.086	0.0	0.0
P(Bartlett's X2)					0.048*	0.425	.	.
Skewness					-1.6626*	-1.4837*	-2.8091*	-2.8091*
Kurtosis					2.0472*	1.1422	6.3081*	6.3081*
Replicate F					0.174	0.412	0.000	0.000
Replicate Prob(F)					0.8419	0.6686	1.0000	1.0000
Treatment F					55.960	29.769	0.000	0.000
Treatment Prob(F)					0.0001	0.0001	1.0000	1.0000

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	ABUTH	HIBTR	SETFA	AMBTR				
Pest Scientific Name	Abutilon theop>	Hibiscus trion>	Setaria faberi	Ambrosia trifi>				
Pest Name	velvetleaf	Venice mallow	Giant foxtail	Giant ragweed				
Rating Date	6-4-2015	6-4-2015	6-18-2015	6-18-2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Days After First/Last Applic.	27 27	27 27	41 14	41 14				
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A				
Number of Decimals	0	0	0	0				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit	Appl Description	5	6	7	8
1 UNTREATED CHECK					0 b	0 c	0 d	0 c
2 Clarity	1 pt/a		A	PRE	100 a	87 b	75 c	84 b
2 Roundup PowerMax	32 oz/a		B	POST				
2 Clarity	1 pt/a		B	POST				
2 Interlock	4 oz/a		B	POST				
3 Clarity	1 pt/a		A	PRE	100 a	100 a	83 ab	99 a
3 Valor SX	2.5 oz/a		A	PRE				
3 Roundup PowerMax	32 oz/a		B	POST				
3 Clarity	1 pt/a		B	POST				
3 Interlock	4 oz/a		B	POST				
4 Clarity	1 pt/a		A	PRE	100 a	88 b	77 bc	96 a
4 Roundup PowerMax	32 oz/a		B	POST				
4 Clarity	1 pt/a		B	POST				
4 Cobra	12.5 oz/a		B	POST				
4 COC	1 pt/a		B	POST				
4 Interlock	4 oz/a		B	POST				
5 Clarity	1 pt/a		A	PRE	100 a	100 a	84 ab	95 a
5 Valor SX	2.5 oz/a		A	PRE				
5 Roundup PowerMax	32 oz/a		B	POST				
5 Clarity	1 pt/a		B	POST				
5 Cobra	12.5 oz/a		B	POST				
5 COC	1 pt/a		B	POST				
5 Interlock	4 oz/a		B	POST				
6 Clarity	1 pt/a		A	PRE	100 a	100 a	88 a	93 ab
6 Fierce	3 oz/a		A	PRE				
6 Roundup PowerMax	32 oz/a		B	POST				
6 Clarity	1 pt/a		B	POST				
6 Interlock	4 oz/a		B	POST				
7 Clarity	1 pt/a		A	PRE	100 a	100 a	89 a	91 ab
7 Fierce	3 oz/a		A	PRE				
7 Roundup PowerMax	32 oz/a		B	POST				
7 Clarity	1 pt/a		B	POST				
7 Cobra	12.5 oz/a		B	POST				
7 COC	1 pt/a		B	POST				
7 Interlock	4 oz/a		B	POST				

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	ABUTH	HIBTR	SETFA	AMBTR				
Pest Scientific Name	Abutilon theop>	Hibiscus trion>	Setaria faberi	Ambrosia trifi>				
Pest Name	velvetleaf	Venice mallow	Giant foxtail	Giant ragweed				
Rating Date	6-4-2015	6-4-2015	6-18-2015	6-18-2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Days After First/Last Applic.	27 27	27 27	41 14	41 14				
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A				
Number of Decimals	0	0	0	0				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit	Appl Description	5	6	7	8
8 Valor SX	2.5 oz/a		A	PRE	100 a	100 a	84 ab	97 a
8 Roundup PowerMax	32 oz/a		B	POST				
8 Clarity	1 pt/a		B	POST				
8 Interlock	4 oz/a		B	POST				
9 V-10404	30 oz/a		A	PRE	100 a	100 a	83 ab	90 ab
9 Roundup PowerMax	32 oz/a		B	POST				
9 Clarity	1 pt/a		B	POST				
9 Interlock	4 oz/a		B	POST				
10 V-10404	30 oz/a		A	PRE	100 a	100 a	83 ab	94 a
10 Roundup PowerMax	32 oz/a		B	POST				
10 Clarity	1 pt/a		B	POST				
10 Cobra	12.5 oz/a		B	POST				
10 COC	1 pt/a		B	POST				
10 Interlock	4 oz/a		B	POST				
LSD P=.05					.	9.7	7.5	9.3
Standard Deviation					0.0	5.7	4.4	5.4
CV					0.0	6.48	5.86	6.44
Grand Mean					90.0	87.5	74.5	83.8
Bartlett's X2					0.0	0.28	31.434	11.049
P(Bartlett's X2)					.	0.596	0.001*	0.199
Skewness					-2.8091*	-2.5718*	-2.568*	-2.5846*
Kurtosis					6.3081*	5.3407*	5.4743*	5.4845*
Replicate F					0.000	1.634	1.627	2.309
Replicate Prob(F)					1.0000	0.2228	0.2241	0.1281
Treatment F					0.000	90.793	110.620	90.917
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001

Trt Treatment	Other Rate	Other Rate	Unit	Appl Code	Appl Description	9	10	11	12
1 UNTREATED CHECK						0 b	0 b	0 b	0 b
2 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
2 Roundup PowerMax	32 oz/a			B	POST				
2 Clarity	1 pt/a			B	POST				
2 Interlock	4 oz/a			B	POST				
3 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
3 Valor SX	2.5 oz/a			A	PRE				
3 Roundup PowerMax	32 oz/a			B	POST				
3 Clarity	1 pt/a			B	POST				
3 Interlock	4 oz/a			B	POST				
4 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
4 Roundup PowerMax	32 oz/a			B	POST				
4 Clarity	1 pt/a			B	POST				
4 Cobra	12.5 oz/a			B	POST				
4 COC	1 pt/a			B	POST				
4 Interlock	4 oz/a			B	POST				
5 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
5 Valor SX	2.5 oz/a			A	PRE				
5 Roundup PowerMax	32 oz/a			B	POST				
5 Clarity	1 pt/a			B	POST				
5 Cobra	12.5 oz/a			B	POST				
5 COC	1 pt/a			B	POST				
5 Interlock	4 oz/a			B	POST				
6 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
6 Fierce	3 oz/a			A	PRE				
6 Roundup PowerMax	32 oz/a			B	POST				
6 Clarity	1 pt/a			B	POST				
6 Interlock	4 oz/a			B	POST				
7 Clarity	1 pt/a			A	PRE	100 a	100 a	100 a	100 a
7 Fierce	3 oz/a			A	PRE				
7 Roundup PowerMax	32 oz/a			B	POST				
7 Clarity	1 pt/a			B	POST				
7 Cobra	12.5 oz/a			B	POST				
7 COC	1 pt/a			B	POST				
7 Interlock	4 oz/a			B	POST				

Pest Type	W Weed	W Weed	W Weed	W Weed					
Pest Code	CHEAL	AMARE	ABUTH	HIBTR					
Pest Scientific Name	Chenopodium al>	Amaranthus ret>	Abutilon theop>	Hibiscus trion>					
Pest Name	Common lambsqu>	Redroot pigweed	velvetleaf	Venice mallow					
Rating Date	6-18-2015	6-18-2015	6-18-2015	6-18-2015					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%					
Number of Subsamples	1	1	1	1					
Days After First/Last Applic.	41 14	41 14	41 14	41 14					
Trt-Eval Interval	41 DA-A	41 DA-A	41 DA-A	41 DA-A					
Number of Decimals	0	0	0	0					
Trt Treatment	Other	Other	Appl	Appl	9	10	11	12	
No. Name	Rate	Rate	Unit	Code	Description				
8 Valor SX	2.5 oz/a		A		PRE	100 a	100 a	100 a	100 a
8 Roundup PowerMax	32 oz/a		B		POST				
8 Clarity	1 pt/a		B		POST				
8 Interlock	4 oz/a		B		POST				
9 V-10404	30 oz/a		A		PRE	100 a	100 a	100 a	100 a
9 Roundup PowerMax	32 oz/a		B		POST				
9 Clarity	1 pt/a		B		POST				
9 Interlock	4 oz/a		B		POST				
10 V-10404	30 oz/a		A		PRE	100 a	100 a	100 a	100 a
10 Roundup PowerMax	32 oz/a		B		POST				
10 Clarity	1 pt/a		B		POST				
10 Cobra	12.5 oz/a		B		POST				
10 COC	1 pt/a		B		POST				
10 Interlock	4 oz/a		B		POST				
LSD P=.05					
Standard Deviation						0.0	0.0	0.0	0.0
CV						0.0	0.0	0.0	0.0
Grand Mean						90.0	90.0	90.0	90.0
Bartlett's X2						0.0	0.0	0.0	0.0
P(Bartlett's X2)					
Skewness						-2.8091*	-2.8091*	-2.8091*	-2.8091*
Kurtosis						6.3081*	6.3081*	6.3081*	6.3081*
Replicate F						0.000	0.000	0.000	0.000
Replicate Prob(F)						1.0000	1.0000	1.0000	1.0000
Treatment F						0.000	0.000	0.000	0.000
Treatment Prob(F)						1.0000	1.0000	1.0000	1.0000

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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				
Rating Date	6-30-2015	6-30-2015	6-30-2015	6-30-2015				
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Days After First/Last Applic.	53 26	53 26	53 26	53 26				
Trt-Eval Interval	26 DA-B	26 DA-B	26 DA-B	26 DA-B				
Number of Decimals	0	0	0	0				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	Appl Description	13	14	15	16
8 Valor SX	2.5 oz/a		A	PRE	81 a	78 a	100 a	100 a
8 Roundup PowerMax	32 oz/a		B	POST				
8 Clarity	1 pt/a		B	POST				
8 Interlock	4 oz/a		B	POST				
9 V-10404	30 oz/a		A	PRE	73 ab	68 ab	100 a	100 a
9 Roundup PowerMax	32 oz/a		B	POST				
9 Clarity	1 pt/a		B	POST				
9 Interlock	4 oz/a		B	POST				
10 V-10404	30 oz/a		A	PRE	72 ab	73 a	100 a	100 a
10 Roundup PowerMax	32 oz/a		B	POST				
10 Clarity	1 pt/a		B	POST				
10 Cobra	12.5 oz/a		B	POST				
10 COC	1 pt/a		B	POST				
10 Interlock	4 oz/a		B	POST				
LSD P=.05					10.4	17.2	.	.
Standard Deviation					6.1	10.0	0.0	0.0
CV					9.39	16.16	0.0	0.0
Grand Mean					64.8	62.1	90.0	90.0
Bartlett's X2					9.877	6.069	0.0	0.0
P(Bartlett's X2)					0.274	0.64	.	.
Skewness					-2.0758*	-1.8179*	-2.8091*	-2.8091*
Kurtosis					3.6486*	3.1347*	6.3081*	6.3081*
Replicate F					0.068	0.519	0.000	0.000
Replicate Prob(F)					0.9349	0.6037	1.0000	1.0000
Treatment F					47.782	15.580	0.000	0.000
Treatment Prob(F)					0.0001	0.0001	1.0000	1.0000

Pest Type	W Weed	W Weed
Pest Code	ABUTH	HIBTR
Pest Scientific Name	Abutilon theop>	Hibiscus trion>
Pest Name	velvetleaf	Venice mallow
Rating Date	6-30-2015	6-30-2015
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples	1	1 1
Days After First/Last Applic.	53 26	53 26
Trt-Eval Interval	26 DA-B	26 DA-B
Number of Decimals	0	0

Trt No.	Treatment Name	Other Rate	Other Rate Unit	Appl Code	Appl Description	17	18	19
1	UNTREATED CHECK					0 b	0 c	
2	Clarity	1 pt/a		A	PRE	100 a	70 b	
2	Roundup PowerMax	32 oz/a		B	POST			
2	Clarity	1 pt/a		B	POST			
2	Interlock	4 oz/a		B	POST			
3	Clarity	1 pt/a		A	PRE	100 a	100 a	
3	Valor SX	2.5 oz/a		A	PRE			
3	Roundup PowerMax	32 oz/a		B	POST			
3	Clarity	1 pt/a		B	POST			
3	Interlock	4 oz/a		B	POST			
4	Clarity	1 pt/a		A	PRE	100 a	100 a	
4	Roundup PowerMax	32 oz/a		B	POST			
4	Clarity	1 pt/a		B	POST			
4	Cobra	12.5 oz/a		B	POST			
4	COC	1 pt/a		B	POST			
4	Interlock	4 oz/a		B	POST			
5	Clarity	1 pt/a		A	PRE	100 a	100 a	
5	Valor SX	2.5 oz/a		A	PRE			
5	Roundup PowerMax	32 oz/a		B	POST			
5	Clarity	1 pt/a		B	POST			
5	Cobra	12.5 oz/a		B	POST			
5	COC	1 pt/a		B	POST			
5	Interlock	4 oz/a		B	POST			
6	Clarity	1 pt/a		A	PRE	100 a	100 a	
6	Fierce	3 oz/a		A	PRE			
6	Roundup PowerMax	32 oz/a		B	POST			
6	Clarity	1 pt/a		B	POST			
6	Interlock	4 oz/a		B	POST			
7	Clarity	1 pt/a		A	PRE	100 a	100 a	
7	Fierce	3 oz/a		A	PRE			
7	Roundup PowerMax	32 oz/a		B	POST			
7	Clarity	1 pt/a		B	POST			
7	Cobra	12.5 oz/a		B	POST			
7	COC	1 pt/a		B	POST			
7	Interlock	4 oz/a		B	POST			

Pest Type	W Weed	W Weed
Pest Code	ABUTH	HIBTR
Pest Scientific Name	Abutilon theop>	Hibiscus trion>
Pest Name	velvetleaf	Venice mallow
Rating Date	6-30-2015	6-30-2015
Rating Type	CONTRO	CONTRO
Rating Unit	%	%
Number of Subsamples	1	1 1
Days After First/Last Applic.	53 26	53 26
Trt-Eval Interval	26 DA-B	26 DA-B
Number of Decimals	0	0

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit	Appl Code	Description	17	18	19
8	Valor SX	2.5 oz/a		A	PRE		100 a	100 a	
8	Roundup PowerMax	32 oz/a		B	POST				
8	Clarity	1 pt/a		B	POST				
8	Interlock	4 oz/a		B	POST				
9	V-10404	30 oz/a		A	PRE		100 a	100 a	
9	Roundup PowerMax	32 oz/a		B	POST				
9	Clarity	1 pt/a		B	POST				
9	Interlock	4 oz/a		B	POST				
10	V-10404	30 oz/a		A	PRE		100 a	100 a	
10	Roundup PowerMax	32 oz/a		B	POST				
10	Clarity	1 pt/a		B	POST				
10	Cobra	12.5 oz/a		B	POST				
10	COC	1 pt/a		B	POST				
10	Interlock	4 oz/a		B	POST				

LSD P=.05	.	14.4 .
Standard Deviation	0.0	8.4 .
CV	0.0	9.62 .
Grand Mean	90.0	87.0 .
Bartlett's X2	0.0	0.0 .
P(Bartlett's X2)	.	. .
Skewness	-2.8091*	-2.3224* .
Kurtosis	6.3081*	4.0703* .

Replicate F	0.000	1.000
Replicate Prob(F)	1.0000	0.3874
Treatment F	0.000	43.857
Treatment Prob(F)	1.0000	0.0001

Fierce Giant Ragweed Programs for RR2X Soybeans

Trial ID: 15FIERCEBGGRW Location: Western Branch F-6 Trial Year: 2015
Protocol ID: 15FIERCEBGGRW Investigator: Dr. Mark M. Loux
Project ID: Fierce MD 64.07 Study Director: Anthony Dobbels
Sponsor Contact: Eric Ott, Valent

Pest Type

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

Pest Code

SETFA, *Setaria faberi*, = US

AMBTR, *Ambrosia trifida*, = US

CHEAL, *Chenopodium album*, = US

AMARE, *Amaranthus retroflexus*, = US

ABUTH, *Abutilon theophrasti*, = US

HIBTR, *Hibiscus trionum*, = US

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent