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TOUGH WEED PROGRAM - VALENT VS. LOCAL STANDARDS

Trial ID: 13S-THP-CTS-45 Protocol ID: 13S-THP-CTS-45
 Location: Study Director:
 Project ID: VUSA2013FIERCCEMD64.04 Investigator: Dr. Bill Johnson
 Sponsor Contact: Valent - Eric Ott

General Trial Information

Study Director: Bill Johnson
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Trial Status: E established
Initiation Date: Mar-18-2013

Trial Location

City: Lafayette
State/Prov.: IN
Postal Code: 47909
Country: USA

Personnel

Study Director: Bill Johnson
Investigator: Dr. Bill Johnson **Title:** Professor
Affiliation: Purdue University
Address: 915 W State Street
Location: West Lafayette, IN, USA
Postal Code: 47907 **E-mail:** wj@purdue.edu
Phone No.: 765-494-4656 **Mobile No.:** 765-404-9801

Cooperator/Landowner

Cooperator: Throckmorton Purdue Ag Center **Role:** Purdue Ag Center
Organization: Purdue University
Address 1: 8343 US 231 S

City: Lafayette **Phone No.:** 765-538-3422
State/Prov.: IN **Fax No.:** 765-538-3423
Postal Code: 47909 **E-mail:** jayyoung@purdue.edu
Country: USA United States

Crop Description

Crop 1: GLXM02 Glycine max GMO Soybean, Roundup Ready
Variety: Asgrow AG2931 **Description:** RR
BBCH Scale: BSOY **Planting Date:** May-16-2013
Planting Method: SEEDED seeded **Rate, Unit:** 130000 S/A
Depth, Unit: 1 IN
Row Spacing, Unit: 15 IN

Soil Moisture: SLIWET slightly wet **Soil Temperature, Unit:** 68 F
Emergence Date: May-22-2013

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:** CONTIL conventional-till
Replications: 4 **Study Design:** RACOB Randomized Complete Block (RCB)
Untreated Arrangement: INCLUDED single control randomized in each block

Maintenance

No.	Date	Maintenance Treatment Name
1.	Jul-9-2013	BULK RUP

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Soil Description

Description Name: TPAC -Field 4A
% OM: 3.1 **Texture:** SIL silt loam
pH: 6 **Soil Name:** Toronto-Millbrook
CEC: 11.1

Application Description

	A
Application Date:	May-16-2013
Time of Day:	AM
Application Method:	SPRAY
Application Timing:	PREE
Application Placement:	SOIL
Applied By:	MW
Air Temperature, Unit:	68 F
% Relative Humidity:	73
Wind Velocity, Unit:	3 MPH
Wind Direction:	E
Dew Presence (Y/N):	Y yes
Soil Temperature, Unit:	68 F
Soil Moisture:	SLIWET
% Cloud Cover:	80

Crop Stage At Each Application

	A
Crop 1 Code, BBCH Scale:	GLXM0 BSOY

Application Equipment

	A
Appl. Equipment:	CO2 FORD
Equipment Type:	SPTRMO
Nozzle Type:	FLAT FAN
Nozzle Size:	XR 100 02
Nozzle Spacing, Unit:	20 IN
Nozzles/Row:	6
Boom Length, Unit:	10 FT
Boom Height, Unit:	20 IN
Ground Speed, Unit:	2.1 MPH
Carrier:	MEIGS
Spray Volume, Unit:	20 gal/ac
Mix Size, Unit:	2.5 liters
Propellant:	CO2

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 Sponsor Contact: Valent - Eric Ott

Reps: 4 Plots: 10 by 30 feet
 Spray vol: 20 gal/ac Mix size: 2.5 liters (min 2.0856)

Trt No.	Treatment Name	Form Conc	Form Unit	Form Type	Form Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Appl Description	Amt to Measure	Product	Rep 1	Rep 2	Rep 3	Rep 4
1	Untreated Check													101	405	703	907
2	VALOR SX	51 %W/W	WG		1.02 oz ai/a		2 oz wt/a		PREE	A		1.872 g/mx		103	307	603	905
3	VALOR SX	51 %W/W	WG		1.53 oz ai/a		3 oz wt/a		PREE	A		2.808 g/mx		105	501	701	1007
4	FIERCE	76 %W/W	WG		2.28 oz ai/a		3 oz wt/a		PREE	A		2.808 g/mx		107	403	605	1001
5	FIERCE	76 %W/W	WG		2.85 oz ai/a		3.75 oz wt/a		PREE	A		3.511 g/mx		201	507	803	1003
6	Valor SX (51 WG) Classic	51 % 25 %AW/W	WG DF		0.9 oz ai/a 0.309 oz ai/a		1.76 oz wt/a 1.24 oz wt/a		PREE PREE	A A	Valor XLT Valor XLT	1.652 g/mx 1.157 g/mx		203	407	601	903
7	FirstRate (84 WG) Valor SX (51 WG)	84 % 51 %	WG WG		0.336 oz ai/a 1.02 oz ai/a		0.4 oz wt/a 2 oz wt/a		PREE PREE	A A	Gangster Gangster	0.3745 g/mx 1.872 g/mx		205	305	707	805
8	AUTHORITY XL	70 %W/W	WG		2.8 oz ai/a		4 oz wt/a		PREE	A		3.745 g/mx		207	505	607	901
9	SONIC	70 %W/W	WG		2.24 oz ai/a		3.2 oz wt/a		PREE	A		2.996 g/mx		301	401	705	807
10	SONIC	70 %W/W	WG		2.8 oz ai/a		4 oz wt/a		PREE	A		3.745 g/mx		303	503	801	1005
11	Classic Valor SX (51 WG) Harmony SG (50 SG)	25 %AW/W 51 % 50 %	DF WG SG		0.08 oz ai/a 1.013 oz ai/a 0.246 oz ai/a		0.32 oz wt/a 1.99 oz wt/a 0.49 oz wt/a		PREE PREE PREE	A A A	Enlite Enlite Enlite	0.2996 g/mx 1.859 g/mx 0.4606 g/mx		102	308	708	1002
12	FIERCE CLASSIC	76 %W/W 25 %W/W	WG WG		1.9 oz ai/a 0.25 oz ai/a		2.5 oz wt/a 1 oz wt/a		PREE PREE	A A		2.34 g/mx 0.9361 g/mx		104	408	702	904
13	FIERCE CLASSIC	76 %W/W 25 %W/W	WG WG		2.1 oz ai/a 0.25 oz ai/a		2.75 oz wt/a 1 oz wt/a		PREE PREE	A A		2.587 g/mx 0.9361 g/mx		106	406	602	902
14	FIERCE CLASSIC	76 %W/W 25 %W/W	WG WG		2.28 oz ai/a 0.25 oz ai/a		3 oz wt/a 1 oz wt/a		PREE PREE	A A		2.808 g/mx 0.9361 g/mx		108	306	604	908
15	FIERCE FirstRate (84 WG)	76 %W/W 84 %	WG WG		1.9 oz ai/a 0.252 oz ai/a		2.5 oz wt/a 0.3 oz wt/a		PREE PREE	A A		2.34 g/mx 0.2808 g/mx		202	506	608	808
16	FIERCE FirstRate (84 WG)	76 %W/W 84 %	WG WG		2.1 oz ai/a 0.252 oz ai/a		2.75 oz wt/a 0.3 oz wt/a		PREE PREE	A A		2.587 g/mx 0.2808 g/mx		204	404	704	806
17	FIERCE FirstRate (84 WG)	76 %W/W 84 %	WG WG		2.28 oz ai/a 0.252 oz ai/a		3 oz wt/a 0.3 oz wt/a		PREE PREE	A A		2.808 g/mx 0.2808 g/mx		206	402	804	906
18	FIERCE FirstRate (84 WG)	76 %W/W 84 %	WG WG		2.1 oz ai/a 0.336 oz ai/a		2.75 oz wt/a 0.4 oz wt/a		PREE PREE	A A		2.587 g/mx 0.3745 g/mx		208	504	706	1006
19	FIERCE CLASSIC	76 %W/W 25 %W/W	WG WG		2.1 oz ai/a 0.0825 oz ai/a		2.75 oz wt/a 0.33 oz wt/a		PREE PREE	A A		2.587 g/mx 0.3089 g/mx		302	508	802	1004
20	Anthem (2.2 SC) CLASSIC	2.2 LB/GAL 25 %W/W	SC WG		1.65 oz ai/a 0.25 oz ai/a		6 fl oz/a 1 oz wt/a		PREE PREE	A A		5.859 ml/mx 0.9361 g/mx		304	502	606	1008

Sort Order: Treatment

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	AMBTR	SETFA	AMBTR	SETFA	SETFA	AMBTR		
Pest Scientific Name	Ambrosia trifi>	Setaria faberi	Ambrosia trifi>	Setaria faberi	Setaria faberi	Ambrosia trifi>		
Pest Name	Giant ragweed	Giant foxtail	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed		
Part Rated	- P	- P	- P	- P	- P	- P		
Rating Date	Jun-12-2013	Jun-12-2013	Jun-26-2013	Jun-26-2013	Jul-8-2013	Jul-8-2013		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V2	V2	V5-V6	V5-V6				
Pest Stage Majority					36 IN	72 IN		
Pest Density, Unit					20 FT2	10 YD2		
Assessed By	JH	JH	JH	JH	MW	MW		
Days After First/Last Applic.	27 27	27 27	41 41	41 41	53 53	53 53		
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A	41 DA-A	53 DA-A		
Plant-Eval Interval	27 DP-1	27 DP-1	41 DP-1	41 DP-1	53 DP-1	53 DP-1		
Days After Emergence	21 DE-1	21 DE-1	35 DE-1	35 DE-1	47 DE-1	47 DE-1		
Trt Treatment	Rate	Appl						
No. Name	Rate	Unit Code Plot	1	2	3	4	5	6
7 FirstRate (84 WG)	0.336 oz ai/a	A 205	45.0	20.0	15.0	20.0	20.0	30.0
Valor SX (51 WG)	1.02 oz ai/a	A 305	35.0	30.0	15.0	10.0	30.0	30.0
		707	50.0	55.0	30.0	65.0	90.0	55.0
		805	25.0	35.0	15.0	30.0	75.0	20.0
		Mean =	38.8	35.0	18.8	31.3	53.8	33.8
8 AUTHORITY XL	2.8 oz ai/a	A 207	65.0	75.0	40.0	45.0	85.0	40.0
		505	0.0	10.0	0.0	10.0	0.0	0.0
		607	0.0	15.0	10.0	50.0	0.0	0.0
		901	20.0	15.0	25.0	45.0	95.0	40.0
		Mean =	21.3	28.8	18.8	37.5	45.0	20.0
9 SONIC	2.24 oz ai/a	A 301	80.0	65.0	60.0	25.0	80.0	75.0
		401	25.0	50.0	35.0	20.0	90.0	50.0
		705	0.0	10.0	0.0	10.0	60.0	40.0
		807	20.0	40.0	20.0	25.0	80.0	35.0
		Mean =	31.3	41.3	28.8	20.0	77.5	50.0
10 SONIC	2.8 oz ai/a	A 303	35.0	45.0	35.0	20.0	90.0	0.0
		503	0.0	65.0	10.0	20.0	80.0	30.0
		801	10.0	40.0	20.0	10.0	90.0	45.0
		1005	25.0	40.0	20.0	20.0	75.0	10.0
		Mean =	17.5	47.5	21.3	17.5	83.8	21.3
11 Classic	0.08 oz ai/a	A 102	30.0	45.0	0.0	10.0	0.0	0.0
Valor SX (51 WG)	1.013 oz ai/a	A 308	75.0	40.0	60.0	10.0	20.0	75.0
Harmony SG (50 SG)	0.246 oz ai/a	A 708	30.0	60.0	25.0	55.0	60.0	40.0
		1002	25.0	50.0	25.0	15.0	70.0	15.0
		Mean =	40.0	48.8	27.5	22.5	37.5	32.5
12 FIERCE	1.9 oz ai/a	A 104	30.0	70.0	10.0	25.0	50.0	0.0
CLASSIC	0.25 oz ai/a	A 408	0.0	75.0	0.0	35.0	95.0	0.0
		702	45.0	55.0	30.0	35.0	40.0	20.0
		904	20.0	85.0	15.0	60.0	95.0	0.0
		Mean =	23.8	71.3	13.8	38.8	70.0	5.0
13 FIERCE	2.1 oz ai/a	A 106	35.0	75.0	25.0	35.0	80.0	40.0
CLASSIC	0.25 oz ai/a	A 406	85.0	95.0	60.0	45.0	95.0	80.0
		602	75.0	70.0	70.0	45.0	95.0	55.0
		902	25.0	100.0	20.0	45.0	95.0	10.0
		Mean =	55.0	85.0	43.8	42.5	91.3	46.3

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed		
Pest Code	AMBTR	SETFA	AMBTR	SETFA	SETFA	AMBTR		
Pest Scientific Name	Ambrosia trifida	Setaria faberii	Ambrosia trifida	Setaria faberii	Setaria faberii	Ambrosia trifida		
Pest Name	Giant ragweed	Giant foxtail	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed		
Part Rated	- P	- P	- P	- P	- P	- P		
Rating Date	Jun-12-2013	Jun-12-2013	Jun-26-2013	Jun-26-2013	Jul-8-2013	Jul-8-2013		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	V2	V2	V5-V6	V5-V6				
Pest Stage Majority					36 IN	72 IN		
Pest Density, Unit					20 FT2	10 YD2		
Assessed By	JH	JH	JH	JH	MW	MW		
Days After First/Last Applic.	27 27	27 27	41 41	41 41	53 53	53 53		
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A	41 DA-A	53 DA-A		
Plant-Eval Interval	27 DP-1	27 DP-1	41 DP-1	41 DP-1	53 DP-1	53 DP-1		
Days After Emergence	21 DE-1	21 DE-1	35 DE-1	35 DE-1	47 DE-1	47 DE-1		
Trt Treatment	Rate	Appl						
No. Name	Rate	Unit Code Plot	1	2	3	4	5	6
14 FIERCE	2.28 oz ai/a	A 108	75.0	95.0	70.0	75.0	95.0	80.0
CLASSIC	0.25 oz ai/a	A 306	95.0	90.0	80.0	65.0	90.0	85.0
		604	45.0	90.0	25.0	50.0	95.0	0.0
		908	15.0	95.0	35.0	70.0	80.0	0.0
		Mean =	57.5	92.5	52.5	65.0	90.0	41.3
15 FIERCE	1.9 oz ai/a	A 202	25.0	100.0	20.0	70.0	85.0	30.0
FirstRate (84 WG)	0.252 oz ai/a	A 506	90.0	95.0	60.0	70.0	95.0	75.0
		608	70.0	95.0	65.0	55.0	95.0	75.0
		808	15.0	40.0	10.0	20.0	95.0	40.0
		Mean =	50.0	82.5	38.8	53.8	92.5	55.0
16 FIERCE	2.1 oz ai/a	A 204	50.0	95.0	25.0	75.0	85.0	50.0
FirstRate (84 WG)	0.252 oz ai/a	A 404	15.0	90.0	0.0	70.0	95.0	0.0
		704	15.0	60.0	15.0	30.0	90.0	0.0
		806	60.0	100.0	30.0	55.0	90.0	60.0
		Mean =	35.0	86.3	17.5	57.5	90.0	27.5
17 FIERCE	2.28 oz ai/a	A 206	90.0	95.0	70.0	60.0	90.0	80.0
FirstRate (84 WG)	0.252 oz ai/a	A 402	15.0	90.0	15.0	50.0	95.0	20.0
		804	20.0	95.0	15.0	60.0	90.0	20.0
		906	25.0	70.0	15.0	25.0	90.0	10.0
		Mean =	37.5	87.5	28.8	48.8	91.3	32.5
18 FIERCE	2.1 oz ai/a	A 208	75.0	95.0	55.0	60.0	90.0	75.0
FirstRate (84 WG)	0.336 oz ai/a	A 504	30.0	50.0	0.0	20.0	95.0	0.0
		706	55.0	85.0	30.0	65.0	95.0	65.0
		1006	30.0	40.0	10.0	25.0	90.0	0.0
		Mean =	47.5	67.5	23.8	42.5	92.5	35.0
19 FIERCE	2.1 oz ai/a	A 302	60.0	45.0	50.0	25.0	50.0	50.0
CLASSIC	0.0825 oz ai/a	A 508	65.0	100.0	25.0	55.0	95.0	40.0
		802	20.0	45.0	10.0	0.0	0.0	25.0
		1004	15.0	65.0	25.0	35.0	80.0	15.0
		Mean =	40.0	63.8	27.5	28.8	56.3	32.5
20 Anthem (2.2 SC)	1.65 oz ai/a	A 304	0.0	75.0	10.0	40.0	50.0	20.0
CLASSIC	0.25 oz ai/a	A 502	45.0	30.0	15.0	30.0	90.0	50.0
		606	0.0	75.0	0.0	30.0	95.0	20.0
		1008	5.0	75.0	0.0	60.0	95.0	0.0
		Mean =	12.5	63.8	6.3	40.0	82.5	22.5

Pest Type
W, Weed, G-BYRW7, G-WedStg = Weed or volunteer crop
Pest Code
AMBTR, Ambrosia trifida, = US
SETFA, Setaria faberii, = US

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P = Pest is Part Rated

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

FT2 = per square foot

YD2 = per square yard

Plant-Eval Interval

27 DP-1 = 1 GLXM02 May-16-2013

41 DP-1 = 1 GLXM02 May-16-2013

53 DP-1 = 1 GLXM02 May-16-2013

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Trial ID: 13S-THP-CTS-45 Protocol ID: 13S-THP-CTS-45
 Location: Study Director:
 Project ID: VUSA2013FIERCEMD64.04 Investigator: Dr. Bill Johnson
 Sponsor Contact: Valent - Eric Ott

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	AMBTR	SETFA	AMBTR	SETFA	SETFA	AMBTR			
Pest Scientific Name	Ambrosia trifi>	Setaria faberi	Ambrosia trifi>	Setaria faberi	Setaria faberi	Ambrosia trifi>			
Pest Name	Giant ragweed	Giant foxtail	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed			
Part Rated	- P	- P	- P	- P	- P	- P			
Rating Date	Jun-12-2013	Jun-12-2013	Jun-26-2013	Jun-26-2013	Jul-8-2013	Jul-8-2013			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Crop Stage Majority	V2	V2	V5-V6	V5-V6					
Pest Stage Majority					36 IN	72 IN			
Pest Density, Unit					20 FT2	10 YD2			
Assessed By	JH	JH	JH	JH	MW	MW			
Days After First/Last Applic.	27 27	27 27	41 41	41 41	53 53	53 53			
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A	41 DA-A	53 DA-A			
Plant-Eval Interval	27 DP-1	27 DP-1	41 DP-1	41 DP-1	53 DP-1	53 DP-1			
Days After Emergence	21 DE-1	21 DE-1	35 DE-1	35 DE-1	47 DE-1	47 DE-1			
Trt Treatment	Rate	Appl							
No. Name	Rate	Unit	Code	1	2	3	4	5	6
1 Untreated Check				0.0 a	0.0 e	0.0 a	0.0 c	0.0 b	0.0 a
2 VALOR SX	1.02 oz ai/a	A		37.5 a	66.3 a-d	31.3 a	31.3 abc	68.8 a	21.8 a
3 VALOR SX	1.53 oz ai/a	A		38.8 a	61.3 a-d	28.8 a	27.5 abc	74.3 a	50.0 a
4 FIERCE	2.28 oz ai/a	A		21.3 a	92.5 a	13.8 a	56.3 ab	82.5 a	10.0 a
5 FIERCE	2.85 oz ai/a	A		53.8 a	98.8 a	41.3 a	66.3 a	88.0 a	36.3 a
6 Valor SX (51 WG) Classic	0.9 oz ai/a 0.309 oz ai/a	A		35.0 a	61.3 a-d	32.5 a	48.8 ab	89.5 a	28.8 a
7 FirstRate (84 WG) Valor SX (51 WG)	0.336 oz ai/a 1.02 oz ai/a	A		38.8 a	35.0 cd	18.8 a	31.3 abc	53.8 a	33.8 a
8 AUTHORITY XL	2.8 oz ai/a	A		21.3 a	28.8 d	18.8 a	37.5 abc	45.0 a	20.0 a
9 SONIC	2.24 oz ai/a	A		31.3 a	41.3 cd	28.8 a	20.0 bc	77.5 a	50.0 a
10 SONIC	2.8 oz ai/a	A		17.5 a	47.5 bcd	21.3 a	17.5 bc	83.8 a	21.3 a
11 Classic Valor SX (51 WG) Harmony SG (50 SG)	0.08 oz ai/a 1.013 oz ai/a 0.246 oz ai/a	A		40.0 a	48.8 bcd	27.5 a	22.5 abc	37.5 a	32.5 a
12 FIERCE CLASSIC	1.9 oz ai/a 0.25 oz ai/a	A		23.8 a	71.3 abc	13.8 a	38.8 abc	70.0 a	5.0 a
13 FIERCE CLASSIC	2.1 oz ai/a 0.25 oz ai/a	A		55.0 a	85.0 ab	43.8 a	42.5 abc	91.3 a	46.3 a
14 FIERCE CLASSIC	2.28 oz ai/a 0.25 oz ai/a	A		57.5 a	92.5 a	52.5 a	65.0 a	90.0 a	41.3 a
15 FIERCE FirstRate (84 WG)	1.9 oz ai/a 0.252 oz ai/a	A		50.0 a	82.5 ab	38.8 a	53.8 ab	92.5 a	55.0 a
16 FIERCE FirstRate (84 WG)	2.1 oz ai/a 0.252 oz ai/a	A		35.0 a	86.3 ab	17.5 a	57.5 ab	90.0 a	27.5 a
17 FIERCE FirstRate (84 WG)	2.28 oz ai/a 0.252 oz ai/a	A		37.5 a	87.5 ab	28.8 a	48.8 ab	91.3 a	32.5 a
18 FIERCE FirstRate (84 WG)	2.1 oz ai/a 0.336 oz ai/a	A		47.5 a	67.5 a-d	23.8 a	42.5 abc	92.5 a	35.0 a
19 FIERCE CLASSIC	2.1 oz ai/a 0.0825 oz ai/a	A		40.0 a	63.8 a-d	27.5 a	28.8 abc	56.3 a	32.5 a

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Purdue University

	W Weed AMBTR	W Weed SETFA	W Weed AMBTR	W Weed SETFA	W Weed SETFA	W Weed AMBTR
Pest Type	Ambrosia trifida	Setaria faberi	Ambrosia trifida	Setaria faberi	Setaria faberi	Ambrosia trifida
Pest Code	AMBTR	SETFA	AMBTR	SETFA	SETFA	AMBTR
Pest Scientific Name	Ambrosia trifida	Setaria faberi	Ambrosia trifida	Setaria faberi	Setaria faberi	Ambrosia trifida
Pest Name	Giant ragweed	Giant foxtail	Giant ragweed	Giant foxtail	Giant foxtail	Giant ragweed
Part Rated	- P	- P	- P	- P	- P	- P
Rating Date	Jun-12-2013	Jun-12-2013	Jun-26-2013	Jun-26-2013	Jul-8-2013	Jul-8-2013
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	V2	V2	V5-V6	V5-V6		
Pest Stage Majority					36 IN	72 IN
Pest Density, Unit					20 FT2	10 YD2
Assessed By	JH	JH	JH	JH	MW	MW
Days After First/Last Applic.	27 27	27 27	41 41	41 41	53 53	53 53
Trt-Eval Interval	27 DA-A	27 DA-A	41 DA-A	41 DA-A	41 DA-A	53 DA-A
Plant-Eval Interval	27 DP-1	27 DP-1	41 DP-1	41 DP-1	53 DP-1	53 DP-1
Days After Emergence	21 DE-1	21 DE-1	35 DE-1	35 DE-1	47 DE-1	47 DE-1
Trt No.	1	2	3	4	5	6
Treatment Name	20 Anthem (2.2 SC) CLASSIC					
Rate	1.65 oz ai/a A					
Unit	0.25 oz ai/a A					
Appl Code						
Mean	12.5 a	63.8 a-d	6.3 a	40.0 abc	82.5 a	22.5 a
LSD (P=.05)	36.85	24.58	28.11	24.74	30.89	39.31
Standard Deviation	26.06	17.38	19.87	17.49	21.84	27.79
CV	75.12	27.13	77.18	45.07	29.99	92.37
Bartlett's X2	10.136	34.761	17.025	19.835	62.519	14.466
P(Bartlett's X2)	0.927	0.01*	0.521	0.342	0.001*	0.698
Replicate F	2.346	0.763	1.625	0.764	1.621	2.518
Replicate Prob(F)	0.0824	0.5198	0.1937	0.5192	0.1945	0.0671
Treatment F	1.328	8.330	1.641	3.761	4.796	1.130
Treatment Prob(F)	0.2027	0.0001	0.0769	0.0001	0.0001	0.3484

Pest Type

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

Pest Code

AMBTR, Ambrosia trifida, = US

SETFA, Setaria faberi, = US

P = Pest is Part Rated

Rating Type

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

FT2 = per square foot

YD2 = per square yard

Plant-Eval Interval

27 DP-1 = 1 GLXM02 May-16-2013

41 DP-1 = 1 GLXM02 May-16-2013

53 DP-1 = 1 GLXM02 May-16-2013