

# Purdue University

## Weed program for soybeans

Trial ID: 12S-THP-CTS-44      Protocol ID: 12S-THP-CTS-44  
 Location: Throckmorton      Study Director: White/Marquardt  
 Project ID: SOYSSAI 001      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Syngenta- Steve Mroczkiewicz

## General Trial Information

**Study Director:** White/Marquardt      **Title:** Research Associate  
**Investigator:** Dr. Bill Johnson      **Title:** Professor

**Discipline:** H herbicide  
**Trial Status:** E established  
**Initiation Date:** 4-2-2012

## Trial Location

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

## Personnel

**Study Director:** White/Marquardt      **Title:** Research Associate  
**Affiliation:** Purdue University  
**Address:** 915 W State Street  
**Location:** West Lafayette, IN, USA  
**Postal Code:** 47907      **E-mail:** mdwhite@purdue.edu  
**Phone No.:** 765-494-0891  
**Investigator:** Dr. Bill Johnson      **Title:** Professor  
**Affiliation:** Purdue University  
**Address:** 915 W State Street  
**Location:** West Lafayette, IN, USA  
**Postal Code:** 47907      **E-mail:** wgj@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:** GLXMA Glycine max Soybean  
**Variety:** Asgrow AG2931      **Description:** RR2  
**BBCH Scale:** BSOY      **Planting Date:** 5-24-2012  
**Planting Method:** PLANTD planted      **Rate, Unit:** 124000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 15 IN  
**Soil Moisture:** DRY dry      **Soil Temperature, Unit:** 60 F  
**Emergence Date:** 5-7-2012

## Pest Description

**Pest 1 Type:** W      **Code:** CHEAL *Chenopodium album*  
**Common Name:** Common lambsquarters

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

**Pest 3 Type:** W      **Code:** SETFA *Setaria faberi*  
**Common Name:** Giant foxtail

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Site and Design	
<b>Plot Width, Unit:</b> 10 FT <b>Plot Length, Unit:</b> 30 FT <b>Plot Area, Unit:</b> 300 FT2 <b>Replications:</b> 4	<b>Site Type:</b> FIELD field <b>Experimental Unit:</b> 1 PLOT plot <b>Tillage Type:</b> MINTIL minimum-till <b>Study Design:</b> RACOB� Randomized Complete Block (RCB) <b>Untreated Arrangement:</b> INCLUDED single control randomized in each block

Soil Description
<b>Description Name:</b> TPAC - Field 4B <b>% OM:</b> 2.9 <b>Texture:</b> SIL silt loam <b>pH:</b> 6.2 <b>Soil Name:</b> Toronto-Millbrook <b>CEC:</b> 13.3

Application Description			
	A	B	C
<b>Application Date:</b>	4-24-2012	5-24-2012	6-19-2012
<b>Time of Day:</b>		7 AM	8 AM
<b>Application Method:</b>	SPRAY	SPRAY	SPRAY
<b>Application Timing:</b>	ATPLAN	EAPOCR	MIPOCR
<b>Application Placement:</b>	SOIL	FOLIAR	FOLIAR
<b>Applied By:</b>	MW	MW	MW
<b>Air Temperature, Unit:</b>	66 F	68 F	81 F
<b>% Relative Humidity:</b>	25	68	63
<b>Wind Velocity, Unit:</b>	6 MPH	3 MPH	7 MPH
<b>Wind Direction:</b>	SE	SE	SW
<b>Dew Presence (Y/N):</b>	N no	N no	N no
<b>Soil Temperature, Unit:</b>	60 F	70 F	79 F
<b>Soil Moisture:</b>	DRY	DRY	DRY
<b>% Cloud Cover:</b>	60	5	10

Crop Stage At Each Application			
	A	B	C
<b>Crop 1 Code, BBCH Scale:</b>	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
<b>Stage Scale Used:</b>		BBCH	
<b>Stage Majority, Percent:</b>		V1	
<b>Height, Unit:</b>			11 IN
<b>Height Minimum, Maximum:</b>		3 6	

Pest Stage At Each Application			
	A	B	C
<b>Pest 1 Code, Type, Scale:</b>	CHEAL W	CHEAL W	CHEAL W
<b>Height Minimum, Maximum:</b>		0.5 3	1 17
<b>Density, Unit:</b>		35 YD2	55 YD2
<b>Pest 2 Code, Type, Scale:</b>	AMBTR W	AMBTR W	AMBTR W
<b>Height Minimum, Maximum:</b>		0.5 8	3.5 25
<b>Density, Unit:</b>		10 YD2	29 YD2
<b>Pest 3 Code, Type, Scale:</b>	SETFA W	SETFA W	SETFA W
<b>Height Minimum, Maximum:</b>		0.5 7	1 17
<b>Density, Unit:</b>		50 YD2	70 YD2

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## Application Equipment

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

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## Weed program for soybeans

Trial ID: 12S-THP-CTS-44      Protocol ID: 12S-THP-CTS-44  
 Location: Throckmorton      Study Director: White/Marquardt  
 Project ID: SOYSSAI 001      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Syngenta- Steve Mroczkiewicz

Pest Type		W Weed	W Weed	W Weed	W Weed		W Weed			
Pest Code		SETFA	AMBTR	CHEAL	ABUTH		SETFA			
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>	Abutilon theop>		Setaria faberi			
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>	Velvetleaf		Giant foxtail			
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY			
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max			
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean			
Rating Date	5-29-2012	6-18-2012	6-18-2012	6-18-2012	6-18-2012	6-26-2012	6-26-2012			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Crop Stage Scale	V2-V3	V4	V4	V4	V4	R2-R3	R2-R3			
Pest Stage Majority		10 IN	24 IN	14 IN	10 IN		6-30 IN			
Pest Density, Unit		20 FT2	10 YD2	10 FT2	2 YD2		50 M2			
Assessed By	JR	MW	MW	MW	MW	JS/JR	JS/JR			
Days After First/Last Applic.	35 5	55 25	55 25	55 25	55 25	63 7	63 7			
Plant-Eval Interval	5 DP-1	25 DP-1	25 DP-1	25 DP-1	25 DP-1	33 DP-1	33 DP-1			
Days After Emergence	22 DE-1	42 DE-1	42 DE-1	42 DE-1	42 DE-1	50 DE-1	50 DE-1			
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	1	2	3	4	5	6	7
1 Untreated Check				0.0 b	0.0 c	0.0 d	0.0 b	0.0 c	0.0 b	0.0 c
2 Prefix (5.29 EC)	1.32 lb ai/a	A		0.0 b	86.0 a	36.3 c	89.5 a	34.8 bc	0.0 b	93.3 ab
Touchdown Total (4.17 SL)	0.78 lb ae/a	C								
AMS - Liquid	17 lb ai/100 gal	C								
3 Boundary (6.5 EC)	1.22 lb ai/a	A		0.3 b	91.3 a	22.5 cd	91.8 a	29.8 bc	0.0 b	97.0 a
Touchdown Total (4.17 SL)	0.78 lb ae/a	C								
AMS - Liquid	17 lb ai/100 gal	C								
4 Boundary (6.5 EC)	1.22 lb ai/a	A		0.8 b	89.8 a	37.5 c	94.3 a	91.8 a	1.8 b	88.8 ab
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C								
MSO	1 % v/v	C								
AMS - Liquid	17 lb ai/100 gal	C								
5 Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	B		8.8 a	99.0 a	97.0 a	85.5 a	99.0 a	17.0 a	99.5 a
MSO	1 % v/v	B								
AMS - Liquid	17 lb ai/100 gal	B								
6 Touchdown Total (4.17 SL)	0.78 lb ae/a	B		0.0 b	99.0 a	94.8 a	84.8 a	99.0 a	0.5 b	99.5 a
AMS - Liquid	17 lb ai/100 gal	B								
7 Touchdown Total (4.17 SL)	0.78 lb ae/a	B		0.0 b	99.0 a	94.8 a	82.5 a	99.0 a	1.3 b	98.5 a
AMS - Liquid	17 lb ai/100 gal	B								
Touchdown Total (4.17 SL)	0.78 lb ae/a	C								
AMS - Liquid	17 lb ai/100 gal	C								
8 Fierce (76 WG)	2.28 oz ai/a	A		0.5 b	89.1 a	48.1 bc	62.1 a	97.4 a	0.0 b	90.8 ab
Roundup PowerMax 4.5 SL	0.78 lb ae/a	C								
AMS - Liquid	17 lb ai/100 gal	C								
9 Fierce (76 WG)	2.28 oz ai/a	A		0.0 b	62.5 b	30.0 c	91.8 a	57.3 ab	0.3 b	76.3 b
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C								
MSO	1 % v/v	C								
AMS - Liquid	17 lb ai/100 gal	C								

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.



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Pest Type	W Weed AMBTR	W Weed CHEAL	W Weed SETFA	W Weed AMBTR	W Weed CHEAL	W Weed AMARE			
Pest Code	Ambrosia trifi>	Chenopodium al>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>			
Pest Scientific Name	Giant ragweed	Common lambsqu>	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed			
Pest Name	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Crop Code	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY			
BBCH Scale	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max			
Crop Scientific Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean			
Crop Name	6-26-2012	6-26-2012	7-2-2012	7-2-2012	7-2-2012	7-2-2012			
Rating Date	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Type	%	%	%	%	%	%			
Rating Unit	1	1	1	1	1	1			
Number of Subsamples	R2-R3	R2-R3	R3	R3	R3	R3			
Crop Stage Scale	6-36 IN	3-24 IN	18 IN	30 IN	26 IN	22 IN			
Pest Stage Majority	12 M2	5 M2							
Pest Density, Unit	JS/JR	JS/JR	MW	MW	MW	MW			
Assessed By	63 7	63 7	69 13	69 13	69 13	69 13			
Days After First/Last Applic.	33 DP-1	33 DP-1	39 DP-1	39 DP-1	39 DP-1	39 DP-1			
Plant-Eval Interval	50 DE-1	50 DE-1	56 DE-1	56 DE-1	56 DE-1	56 DE-1			
Days After Emergence									
Trt Treatment	Rate	Appl	8	9	10	11	12	13	
No. Name	Rate	Unit	Code						
1 Untreated Check				0.0 d	0.0 c	0.0 b	0.0 b	0.0 c	0.0 b
2 Prefix (5.29 EC)	1.32 lb ai/a	A		63.8 bc	97.5 a	94.5 a	83.8 a	95.5 a	99.0 a
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
3 Boundary (6.5 EC)	1.22 lb ai/a	A		50.0 c	100.0 a	97.0 a	76.3 a	95.5 a	99.0 a
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
4 Boundary (6.5 EC)	1.22 lb ai/a	A		58.8 bc	99.5 a	91.3 a	76.3 a	99.0 a	99.0 a
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C							
MSO	1 % v/v	C							
AMS - Liquid	17 lb ai/100 gal	C							
5 Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	B		90.8 a	40.0 b	96.5 a	92.3 a	62.5 b	99.0 a
MSO	1 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
6 Touchdown Total (4.17 SL)	0.78 lb ae/a	B		94.5 a	73.8 a	96.5 a	87.3 a	97.0 a	99.0 a
AMS - Liquid	17 lb ai/100 gal	B							
7 Touchdown Total (4.17 SL)	0.78 lb ae/a	B		93.8 a	87.5 a	96.5 a	95.3 a	92.8 a	99.0 a
AMS - Liquid	17 lb ai/100 gal	B							
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
8 Fierce (76 WG)	2.28 oz ai/a	A		58.4 bc	91.1 a	95.7 a	78.2 a	97.8 a	99.0 a
Roundup PowerMax 4.5 SL	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
9 Fierce (76 WG)	2.28 oz ai/a	A		68.8 abc	98.8 a	90.0 a	80.0 a	99.0 a	99.0 a
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C							
MSO	1 % v/v	C							
AMS - Liquid	17 lb ai/100 gal	C							



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Pest Type	W Weed ABUTH	W Weed SETFA	W Weed AMBTR	W Weed CHEAL	W Weed ABUTH				
Pest Code	Abutilon theop>	Setaria faberi	Ambrosia trifidi>	Chenopodium al>	Abutilon theop>				
Pest Scientific Name									
Pest Name	Velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Velvetleaf				
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY		
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max		
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean		
Rating Date	7-2-2012	7-17-2012	7-17-2012	7-17-2012	7-17-2012	7-17-2012	10-9-2012		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA	YIELD		
Rating Unit	%	%	%	%	"	"	bu/ac		
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Scale	R3	R2	R2	R2	R2	R2			
Pest Stage Majority	22 IN	26 IN	40 IN	36 IN	20 IN				
Pest Density, Unit		10 FT2	4 YD2	10 YD2	1 YD2				
Assessed By	MW	MW	MW	MW	MW	MW			
Days After First/Last Applic.	69 13	84 28	84 28	84 28	84 28	84 28	168 112		
Plant-Eval Interval	39 DP-1	54 DP-1	54 DP-1	54 DP-1	54 DP-1	54 DP-1	138 DP-1		
Days After Emergence	56 DE-1	71 DE-1	71 DE-1	71 DE-1	71 DE-1	71 DE-1	155 DE-1		
Trt Treatment	Rate	Appl	14	15	16	17	18	19	20
No. Name	Rate Unit	Code							
1 Untreated Check			0.0 b	0.0 b	0.0 c	0.0 c	0.0 b	0.0 b	
2 Prefix (5.29 EC)	1.32 lb ai/a	A	99.0 a	99.0 a	89.3 ab	99.0 a	99.0 a	0.0 b	59.64 a
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
3 Boundary (6.5 EC)	1.22 lb ai/a	A	91.8 a	99.0 a	78.8 ab	99.0 a	99.0 a	0.0 b	57.84 a
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
4 Boundary (6.5 EC)	1.22 lb ai/a	A	99.0 a	99.0 a	66.3 b	99.0 a	99.0 a	8.8 a	48.38 a
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C							
MSO	1 % v/v	C							
AMS - Liquid	17 lb ai/100 gal	C							
5 Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	B	99.0 a	99.0 a	91.3 ab	79.8 b	99.0 a	0.0 b	66.31 a
MSO	1 % v/v	B							
AMS - Liquid	17 lb ai/100 gal	B							
6 Touchdown Total (4.17 SL)	0.78 lb ae/a	B	99.0 a	99.0 a	99.0 a	95.8 a	99.0 a	0.0 b	57.15 a
AMS - Liquid	17 lb ai/100 gal	B							
7 Touchdown Total (4.17 SL)	0.78 lb ae/a	B	99.0 a	99.0 a	98.0 a	98.0 a	99.0 a	0.0 b	59.53 a
AMS - Liquid	17 lb ai/100 gal	B							
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
8 Fierce (76 WG)	2.28 oz ai/a	A	99.0 a	99.0 a	81.5 ab	98.7 a	99.0 a	0.0 b	48.97 a
Roundup PowerMax 4.5 SL	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
9 Fierce (76 WG)	2.28 oz ai/a	A	99.0 a	98.5 a	82.5 ab	99.0 a	99.0 a	8.8 a	63.45 a
Flexstar GT 3.5 (2.82 SL)	1.23 lb ai/a	C							
MSO	1 % v/v	C							
AMS - Liquid	17 lb ai/100 gal	C							



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Pest Type	W Weed ABUTH	W Weed SETFA	W Weed AMBTR	W Weed CHEAL	W Weed ABUTH				
Pest Code	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Abutilon theop>				
Pest Scientific Name									
Pest Name	Velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>	Velvetleaf				
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY		
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max		
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean		
Rating Date	7-2-2012	7-17-2012	7-17-2012	7-17-2012	7-17-2012	7-17-2012	10-9-2012		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA	YIELD		
Rating Unit	%	%	%	%	"	"	bu/ac		
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Scale	R3	R2	R2	R2	R2	R2	R2		
Pest Stage Majority	22 IN	26 IN	40 IN	36 IN	20 IN				
Pest Density, Unit		10 FT2	4 YD2	10 YD2	1 YD2				
Assessed By	MW	MW	MW	MW	MW	MW			
Days After First/Last Applic.	69 13	84 28	84 28	84 28	84 28	84 28	168 112		
Plant-Eval Interval	39 DP-1	54 DP-1	54 DP-1	54 DP-1	54 DP-1	54 DP-1	138 DP-1		
Days After Emergence	56 DE-1	71 DE-1	71 DE-1	71 DE-1	71 DE-1	71 DE-1	155 DE-1		
Trt Treatment	Rate	Rate	Rate	Rate	Rate	Rate	Rate		
No. Name									
10 Prefix (5.29 EC)	21.2 oz ai/a	A	99.0 a	99.0 a	93.8 ab	96.8 a	99.0 a	0.0 b	61.83 a
Sharpen 2.85 SC	0.356 oz ai/a	A							
Touchdown Total (4.17 SL)	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
11 Valor SX (51 WG)	0.0539 lb ai/a	A	99.0 a	99.0 a	93.3 ab	99.0 a	99.0 a	0.0 b	56.03 a
Classic	0.0182 lb ai/a	A							
KIH-485 (85 WG)	0.0497 lb ai/a	A							
Roundup PowerMax 4.5 SL	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
12 Verdict (5.57 SC)	0.218 lb ai/a	A	99.0 a	99.0 a	92.3 ab	99.0 a	99.0 a	0.0 b	58.15 a
Roundup PowerMax 4.5 SL	0.78 lb ae/a	C							
AMS - Liquid	17 lb ai/100 gal	C							
LSD (P=.05)			6.04	0.42	17.44	8.21	0.00	3.72	15.439
Standard Deviation			4.19	0.29	12.08	5.68	0.00	2.57	10.599
CV			4.64	0.32	15.01	6.42	0.0	176.55	18.3
Bartlett's X2			0.0	0.0	28.037	14.386	0.0	0.0	11.759
P(Bartlett's X2)			.	.	0.001*	0.002*	.	.	0.302
Replicate F			1.000	1.038	0.112	0.581	0.000	0.943	2.625
Replicate Prob(F)			0.4051	0.3889	0.9523	0.6320	1.0000	0.4311	0.0726
Treatment F			184.981	38171.894	19.963	100.041	0.000	7.000	1.058
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001	1.0000	0.0001	0.4279

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 Location: Throckmorton      Study Director: White/Marquardt  
 Project ID: SOYSSAI 001      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Syngenta- Steve Mroczkiewicz

### 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  
 ABUTH, *Abutilon theophrasti*, = US  
 AMARE, *Amaranthus retroflexus*, = US

### Crop Code

GLXMA, BSOY, *Glycine max*, = US

### Rating Type

CONTRO = control / burndown or knockdown  
 PHYGEN = phytotoxicity - general / injury  
 PHYLMA = phytotoxicity - leaf malformation  
 YIELD = yield

### Rating Unit

% = percent  
 bu/ac = bushels per acre

FT2 = per square foot  
 YD2 = per square yard  
 M2 = per square meter

### Plant-Eval Interval

5 DP-1 = 1 GLXMA 5-24-2012  
 25 DP-1 = 1 GLXMA 5-24-2012  
 33 DP-1 = 1 GLXMA 5-24-2012  
 39 DP-1 = 1 GLXMA 5-24-2012  
 54 DP-1 = 1 GLXMA 5-24-2012  
 138 DP-1 = 1 GLXMA 5-24-2012