

# Purdue University

## TO DETERMINE HERBICIDAL EFFICACY AND SELECTIVITY OF STATEMENT WHEN APPLIED POST TO SOYBEAN IN 2013

Trial ID: 13S-THP-CTS-41      Protocol ID: 13S-THP-CTS-41  
 Location: USA      Study Director: Bill Johnson  
 Project ID: HGLXMAFOMME1302 & 1302      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Cheminova - Jim Barrentine

### 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

**Keywords:** STATEMENT, (CHA-044), METOLACHLOR, FOMESAFEN, PREMIX, POST, SOYBEAN, GLYPHOSATE RESISTANT PALMER AMARANTH, ANNUAL GRASS WEEDS, MORNINGGLORY, WATERHEMP, RAGWEED

### Objectives:

COMPARE THE ACTIVITY OF STATEMENT TO PREFIX & OTHER COMMERCIAL HERBICIDES WHEN APPLIED POST TO SOYBEAN

### 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:** GLXMA    Glycine max    Soybean  
**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 Temperature, Unit:** 68    F  
**Emergence Date:** May-22-2013

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## Pest Description

- Pest 1 Type:** W **Code:** SETFA *Setaria faberi*  
**Common Name:** Giant foxtail
- Pest 2 Type:** W **Code:** IPOSS *Ipomoea* sp.  
**Common Name:** Morning glory
- Pest 3 Type:** W **Code:** AMARE *Amaranthus retroflexus*  
**Common Name:** Redroot pigweed
- Pest 4 Type:** W **Code:** ABUTH *Abutilon theophrasti*  
**Common Name:** Velvetleaf
- Pest 5 Type:** W **Code:** GGGAN Annual grasses  
**Common Name:** Annual grasses
- Pest 6 Type:** W **Code:** SEBEX *Sesbania exaltata*  
**Common Name:** Hemp sesbania
- Pest 7 Type:** W **Code:** AMATA *Amaranthus tamariscinus*  
**Common Name:** Common waterhemp
- Pest 8 Type:** W **Code:** AMBSS *Ambrosia* sp.  
**Common Name:** Ragweed
- Pest 9 Type:** W **Code:** CHEAL *Chenopodium album*  
**Common Name:** Common lambsquarters

## Site and Design

**Plot Width, Unit:** 10 FT  
**Plot Length, Unit:** 30 FT  
**Plot Area, Unit:** 300 FT<sup>2</sup>  
**Replications:** 4

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** CONTIL conventional-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)  
**Untreated Arrangement:** INCLUDED single control randomized in each block

## Maintenance

No.	Date	Maintenance Treatment Name	Rate	Rate Unit
1.	Jul-16-2013	PowerMax	22	OZ/A

## 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	B
<b>Application Date:</b>	May-16-2013	Jun-5-2013
<b>Time of Day:</b>	AM	8:30 AM
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	PREMCR	POSPOS
<b>Application Placement:</b>	SOIL	FOLIAR
<b>Applied By:</b>	MW	MW
<b>Air Temperature, Unit:</b>	68 F	57 F
<b>% Relative Humidity:</b>	73	64
<b>Wind Velocity, Unit:</b>	3 MPH	1.7 MPH
<b>Wind Direction:</b>	E	E
<b>Dew Presence (Y/N):</b>	Y yes	N no
<b>Soil Temperature, Unit:</b>	68 F	49 F
<b>Soil Moisture:</b>	SLIWET	SLIWET
<b>% Cloud Cover:</b>	80	10

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## Crop Stage At Each Application

	A	B
<b>Crop 1 Code, BBCH Scale:</b>	GLXMA BSOY	GLXMA BSOY
<b>Stage Scale Used:</b>		BBCH
<b>Stage Majority, Percent:</b>		V1

## Pest Stage At Each Application

	A	B
<b>Pest 1 Code, Type, Scale:</b>	SETFA W	SETFA W
<b>Height Minimum, Maximum:</b>		1 3
<b>Density, Unit:</b>		12 FT2
<b>Pest 2 Code, Type, Scale:</b>	IPOSS W	IPOSS W
<b>Pest 3 Code, Type, Scale:</b>	AMARE W	AMARE W
<b>Pest 4 Code, Type, Scale:</b>	ABUTH W	ABUTH W
<b>Height, Unit:</b>		1 IN
<b>Density, Unit:</b>		3 YD2
<b>Pest 5 Code, Type, Scale:</b>	GGGAN W	GGGAN W
<b>Pest 6 Code, Type, Scale:</b>	SEBEX W	SEBEX W
<b>Pest 7 Code, Type, Scale:</b>	AMATA W	AMATA W
<b>Pest 8 Code, Type, Scale:</b>	AMBSS W	AMBSS W
<b>Height Minimum, Maximum:</b>		1 4
<b>Density, Unit:</b>		3 YD2
<b>Pest 9 Code, Type, Scale:</b>	CHEAL W	CHEAL W
<b>Height, Unit:</b>		1 IN
<b>Density, Unit:</b>		5 YD2

## Application Equipment

	A	B
<b>Appl. Equipment:</b>	CO2 FORD	CO2 FORD
<b>Equipment Type:</b>	SPTRMO	SPTRMO
<b>Nozzle Type:</b>	FLAT FAN	FLAT FAN
<b>Nozzle Size:</b>	XR 100 02	XR 110 02
<b>Nozzle Spacing, Unit:</b>	20 IN	20 IN
<b>Nozzles/Row:</b>	6	6
<b>Boom Length, Unit:</b>	10 FT	10 FT
<b>Boom Height, Unit:</b>	20 IN	20 IN
<b>Ground Speed, Unit:</b>	2.1 MPH	2.1 MPH
<b>Carrier:</b>	MEIGS	MEIGS
<b>Spray Volume, Unit:</b>	20 gal/ac	20 gal/ac
<b>Mix Size, Unit:</b>	2.5 liters	2.5 liters
<b>Propellant:</b>	CO2	CO2

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 Location: USA      Study Director: Bill Johnson  
 Project ID: HGLXMAFOMME1302 & 1302      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Cheminova - Jim Barrentine

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	Rate	Rate Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Appl Description	Amt to Measure	Rep 1	Rep 2	Rep 3	Rep 4
1	UNTREATED												101	405	702	805
2	STATEMENT	5.25 LB/GAL		EC	1.31 lb ai/a		32 fl oz/a		PREMCR	A		31.19 ml/mx	102	404	602	804
3	STATEMENT	5.25 LB/GAL		EC	1.64 lb ai/a		40 fl oz/a		PREMCR	A		39.04 ml/mx	104	502	704	901
4	PREFIX	5.29 LB/GAL		EC	1.32 lb ai/a		32 fl oz/a		PREMCR	A		31.19 ml/mx	105	402	605	904
5	PREFIX	5.29 LB/GAL		EC	1.65 lb ai/a		40 fl oz/a		PREMCR	A		38.98 ml/mx	201	505	705	905
6	STATEMENT	5.25 LB/GAL		EC	1.31 lb ai/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.19 ml/mx	202	501	802	1005
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
7	STATEMENT	5.25 LB/GAL		EC	1.64 lb ai/a		40 fl oz/a		POSPOS	B	2" WEEDS	39.04 ml/mx	204	401	601	902
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
8	RHYTHM	1.88 LB/GAL		ME	0.375 lb ai/a		25.5 fl oz/a		POSPOS	B	2" WEEDS	24.93 ml/mx	205	305	604	1004
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
9	DAWN	2 LB/GAL		AS	0.375 lb ai/a		24 fl oz/a		POEMCR	B	2" WEEDS	23.43 ml/mx	301	304	701	1001
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
10	PREFIX	5.29 LB/GAL		EC	1.32 lb ai/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.19 ml/mx	302	504	801	1002
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
11	PREFIX	5.29 LB/GAL		EC	1.65 lb ai/a		40 fl oz/a		POSPOS	B	2" WEEDS	38.98 ml/mx	103	303	603	803
	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx				
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				
12	Glyfos Xtra (3 SL)	3 LBAE/GAL	SL		0.75 lb ae/a		32 fl oz/a		POSPOS	B	2" WEEDS	31.25 ml/mx	203	403	703	903
	AMS - Liquid	3.4 LB/GAL	SL		17 lb ai/100 gal		20 qt/100 gal		POSPOS	B	2" WEEDS	125.0 ml/mx				

Sort Order: Treatment



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Pest Type		W Weed	W Weed	W Weed			W Weed		
Pest Code		SETFA	AMBTR	CHEAL			AMBTR		
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>			Ambrosia trifi>		
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>			Giant ragweed		
Crop Code					GLXMA	GLXMA			
BBCH Scale					BSOY	BSOY			
Crop Scientific Name					Glycine max	Glycine max			
Crop Name					Soybean	Soybean			
Rating Date	May-30-2013	Jun-3-2013	Jun-3-2013	Jun-3-2013	Jun-12-2013	Jun-19-2013	Jun-19-2013		
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	PHYTO	CONTRO		
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Majority	V1					V4			
Pest Stage Majority		2 IN	3 IN	0.5 IN					
Pest Density, Unit		10 FT2	4 YD2	2 YD2					
Assessed By	MW	MW	MW	MW	JH	JL	JL		
Days After First/Last Applic.	14 14	18 18	18 18	18 18	27 7	34 14	34 14		
Plant-Eval Interval	14 DP-1	18 DP-1	18 DP-1	18 DP-1	27 DP-1	34 DP-1	34 DP-1		
Days After Emergence	8 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	28 DE-1	28 DE-1		
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code Plot	1	2	3	4	5	6	7
7 STATEMENT	1.64 lb ai/a	B 204	0.0	0.0	0.0	0.0	15.0	5.0	95.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 401	0.0	0.0	0.0	0.0	10.0	5.0	95.0
AMS - Liquid	17 lb ai/100 gal	B 601	0.0	30.0	0.0	0.0	10.0	5.0	100.0
		902	0.0	95.0	0.0	99.0	10.0	5.0	95.0
		Mean =	0.0	31.3	0.0	24.8	11.3	5.0	96.3
8 RHYTHM	0.375 lb ai/a	B 205	0.0	60.0	0.0	0.0	10.0	5.0	90.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 305	0.0	0.0	0.0	99.0	5.0	0.0	95.0
AMS - Liquid	17 lb ai/100 gal	B 604	0.0	0.0	0.0	99.0	10.0	5.0	75.0
		1004	0.0	0.0	0.0	0.0	10.0	0.0	95.0
		Mean =	0.0	15.0	0.0	49.5	8.8	2.5	88.8
9 DAWN	0.375 lb ai/a	B 301	0.0	0.0	0.0	0.0	5.0	5.0	65.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 304	0.0	0.0	0.0	99.0	10.0	0.0	90.0
AMS - Liquid	17 lb ai/100 gal	B 701	0.0	30.0	0.0	0.0	5.0	5.0	100.0
		1001	0.0	0.0	0.0	0.0	7.0	0.0	95.0
		Mean =	0.0	7.5	0.0	24.8	6.8	2.5	87.5
10 PREFIX	1.32 lb ai/a	B 302	0.0	0.0	0.0	99.0	10.0	5.0	95.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 504	0.0	0.0	0.0	0.0	10.0	5.0	90.0
AMS - Liquid	17 lb ai/100 gal	B 801	0.0	0.0	0.0	0.0	10.0	5.0	80.0
		1002	0.0	0.0	0.0	99.0	10.0	5.0	80.0
		Mean =	0.0	0.0	0.0	49.5	10.0	5.0	86.3
11 PREFIX	1.65 lb ai/a	B 103	0.0	70.0	80.0	99.0	15.0	5.0	90.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 303	0.0	0.0	0.0	0.0	12.0	5.0	95.0
AMS - Liquid	17 lb ai/100 gal	B 603	0.0	0.0	0.0	99.0	12.0	5.0	95.0
		803	0.0	0.0	0.0	0.0	12.0	5.0	90.0
		Mean =	0.0	17.5	20.0	49.5	12.8	5.0	92.5
12 Glyfos Xtra (3 SL)	0.75 lb ae/a	B 203	0.0	0.0	0.0	0.0	15.0	10.0	85.0
AMS - Liquid	17 lb ai/100 gal	B 403	0.0	0.0	0.0	0.0	2.0	0.0	85.0
		703	0.0	0.0	0.0	0.0	0.0	0.0	90.0
		903	0.0	0.0	0.0	0.0	0.0	0.0	80.0
		Mean =	0.0	0.0	0.0	0.0	4.3	2.5	85.0

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Pest Type	W Weed	W Weed	W Weed	W Weed						
Pest Code	SETFA	SETFA	AMBTR	CHEAL						
Pest Scientific Name	Setaria faberi	Setaria faberi	Ambrosia trifi>	Chenopodium al>						
Pest Name	Giant foxtail	Giant foxtail	Giant ragweed	Common lambsqu>						
Crop Code					GLXMA	GLXMA	GLXMA			
BBCH Scale					BSOY	BSOY	BSOY			
Crop Scientific Name					Glycine max	Glycine max	Glycine max			
Crop Name					Soybean	Soybean	Soybean			
Rating Date	Jun-19-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA	PHYNEC	PHYSTU			
Rating Unit		%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Crop Stage Majority		V5	V5	V5	V5	V5	V5			
Pest Stage Majority		8 IN	10 IN	2 IN						
Pest Density, Unit		10 FT2	6 YD2	8 FT2						
Assessed By	JL	MW	MW	MW	MW	MW	MW			
Days After First/Last Applic.	34 14	40 20	40 20	40 20	40 20	40 20	40 20			
Plant-Eval Interval	34 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1			
Days After Emergence	28 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1			
Trt Treatment	Rate	Appl								
No. Name	Rate Unit	Code Plot	8	9	10	11	12	13	14	
1 UNTREATED			101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			405	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			702	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			805	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Mean =		0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 STATEMENT	1.31 lb ai/a	A	102	95.0	90.0	80.0	99.0	0.0	0.0	0.0
			404	100.0	97.0	75.0	80.0	3.0	0.0	0.0
			602	100.0	97.0	95.0	95.0	3.0	0.0	0.0
			804	100.0	99.0	80.0	85.0	0.0	0.0	0.0
		Mean =		98.8	95.8	82.5	89.8	1.5	0.0	0.0
3 STATEMENT	1.64 lb ai/a	A	104	95.0	99.0	85.0	85.0	0.0	0.0	0.0
			502	75.0	97.0	70.0	99.0	0.0	0.0	0.0
			704	100.0	99.0	85.0	80.0	3.0	0.0	0.0
			901	85.0	95.0	70.0	40.0	0.0	0.0	0.0
		Mean =		88.8	97.5	77.5	76.0	0.8	0.0	0.0
4 PREFIX	1.32 lb ai/a	A	105	100.0	99.0	70.0	85.0	0.0	0.0	0.0
			402	100.0	99.0	85.0	99.0	3.0	0.0	0.0
			605	100.0	97.0	80.0	99.0	0.0	0.0	0.0
			904	100.0	99.0	80.0	70.0	0.0	0.0	0.0
		Mean =		100.0	98.5	78.8	88.3	0.8	0.0	0.0
5 PREFIX	1.65 lb ai/a	A	201	90.0	90.0	85.0	50.0	0.0	0.0	0.0
			505	100.0	99.0	90.0	99.0	3.0	0.0	5.0
			705	100.0	99.0	85.0	85.0	0.0	0.0	5.0
			905	100.0	99.0	85.0	99.0	0.0	0.0	0.0
		Mean =		97.5	96.8	86.3	83.3	0.8	0.0	2.5
6 STATEMENT	1.31 lb ai/a	B	202	100.0	97.0	93.0	99.0	7.0	5.0	5.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B	501	95.0	97.0	95.0	95.0	5.0	3.0	5.0
AMS - Liquid	17 lb ai/100 gal	B	802	100.0	97.0	95.0	99.0	3.0	0.0	0.0
			1005	100.0	97.0	95.0	99.0	10.0	3.0	3.0
		Mean =		98.8	97.0	94.5	98.0	6.3	2.8	3.3

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Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	SETFA	SETFA	AMBTR	CHEAL				
Pest Scientific Name	Setaria faberi	Setaria faberi	Ambrosia trifi>	Chenopodium al>				
Pest Name	Giant foxtail	Giant foxtail	Giant ragweed	Common lambsqu>				
Crop Code					GLXMA	GLXMA	GLXMA	
BBCH Scale					BSOY	BSOY	BSOY	
Crop Scientific Name					Glycine max	Glycine max	Glycine max	
Crop Name					Soybean	Soybean	Soybean	
Rating Date	Jun-19-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	Jun-25-2013	
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYLMA	PHYNEC	PHYSTU	
Rating Unit		%	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	1	1	
Crop Stage Majority		V5	V5	V5	V5	V5	V5	
Pest Stage Majority		8 IN	10 IN	2 IN				
Pest Density, Unit		10 FT2	6 YD2	8 FT2				
Assessed By	JL	MW	MW	MW	MW	MW	MW	
Days After First/Last Applic.	34 14	40 20	40 20	40 20	40 20	40 20	40 20	
Plant-Eval Interval	34 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1	
Days After Emergence	28 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1	
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	8	9	10	11	12	13
7 STATEMENT	1.64 lb ai/a	B 204	100.0	95.0	95.0	99.0	3.0	3.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 401	95.0	95.0	95.0	97.0	7.0	5.0
AMS - Liquid	17 lb ai/100 gal	B 601	100.0	95.0	90.0	95.0	7.0	5.0
		902	100.0	97.0	95.0	99.0	7.0	5.0
		Mean =	98.8	95.5	93.8	97.5	6.0	4.5
8 RHYTHM	0.375 lb ai/a	B 205	100.0	95.0	93.0	93.0	5.0	3.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 305	100.0	95.0	90.0	93.0	0.0	5.0
AMS - Liquid	17 lb ai/100 gal	B 604	100.0	90.0	80.0	99.0	3.0	0.0
		1004	95.0	90.0	95.0	90.0	5.0	5.0
		Mean =	98.8	92.5	89.5	93.8	3.3	3.3
9 DAWN	0.375 lb ai/a	B 301	90.0	93.0	80.0	90.0	5.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 304	100.0	90.0	93.0	90.0	5.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 701	65.0	85.0	95.0	95.0	5.0	0.0
		1001	85.0	90.0	90.0	90.0	3.0	0.0
		Mean =	85.0	89.5	89.5	91.3	4.5	0.0
10 PREFIX	1.32 lb ai/a	B 302	100.0	97.0	95.0	99.0	7.0	5.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 504	90.0	97.0	93.0	99.0	7.0	5.0
AMS - Liquid	17 lb ai/100 gal	B 801	90.0	95.0	87.0	95.0	5.0	3.0
		1002	100.0	99.0	80.0	99.0	7.0	3.0
		Mean =	95.0	97.0	88.8	98.0	6.5	4.0
11 PREFIX	1.65 lb ai/a	B 103	100.0	95.0	95.0	99.0	10.0	5.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 303	100.0	99.0	95.0	99.0	10.0	5.0
AMS - Liquid	17 lb ai/100 gal	B 603	100.0	97.0	97.0	99.0	7.0	5.0
		803	100.0	95.0	93.0	99.0	7.0	0.0
		Mean =	100.0	96.5	95.0	99.0	8.5	3.8
12 Glyfos Xtra (3 SL)	0.75 lb ae/a	B 203	95.0	90.0	90.0	99.0	3.0	3.0
AMS - Liquid	17 lb ai/100 gal	B 403	90.0	90.0	90.0	95.0	0.0	0.0
		703	90.0	90.0	93.0	97.0	0.0	0.0
		903	65.0	85.0	90.0	93.0	0.0	0.0
		Mean =	85.0	88.8	90.8	96.0	0.8	0.8



# Purdue University

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-10-2013	Jul-10-2013	Jul-10-2013	Jul-10-2013	Jul-15-2013	Sep-23-2013		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	YIELD		
Rating Unit	%	%	%	%	%	bu/ac		
Number of Subsamples	1	1	1	1	1	1		
Crop Stage Majority	R1	R1	R1	R1	R2			
Pest Stage Majority	40 IN	50 IN	30 IN	30 IN				
Pest Density, Unit	15 FT2	6 YD2	3 FT2	2 FT2				
Assessed By	MW	MW	MW	MW	MW			
Days After First/Last Applic.	55 35	55 35	55 35	55 35	60 40	130 110		
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1	55 DP-1	60 DP-1	130 DP-1		
Days After Emergence	49 DE-1	49 DE-1	49 DE-1	49 DE-1	54 DE-1	124 DE-1		
Trt Treatment	Rate	Appl						
No. Name	Rate Unit	Code Plot	15	16	17	18	19	20
1 UNTREATED		101	0.0	0.0	0.0	0.0	0.0	20.30
		405	0.0	0.0	0.0	0.0	0.0	0.30
		702	0.0	0.0	0.0	0.0	0.0	59.70
		805	0.0	0.0	0.0	0.0	0.0	4.30
		Mean =	0.0	0.0	0.0	0.0	0.0	21.15
2 STATEMENT	1.31 lb ai/a	A 102	99.0	80.0	99.0	0.0	0.0	51.30
		404	95.0	65.0	85.0	0.0	0.0	88.10
		602	99.0	90.0	87.0	0.0	0.0	77.90
		804	99.0	70.0	75.0	0.0	0.0	66.10
		Mean =	98.0	76.3	86.5	0.0	0.0	70.85
3 STATEMENT	1.64 lb ai/a	A 104	95.0	75.0	50.0	0.0	3.0	70.00
		502	99.0	75.0	99.0	0.0	0.0	63.20
		704	99.0	65.0	40.0	0.0	0.0	79.20
		901	99.0	65.0	40.0	0.0	0.0	80.80
		Mean =	98.0	70.0	57.3	0.0	0.8	73.30
4 PREFIX	1.32 lb ai/a	A 105	99.0	50.0	80.0	0.0	0.0	42.70
		402	99.0	87.0	99.0	0.0	0.0	73.60
		605	99.0	65.0	99.0	0.0	0.0	83.30
		904	99.0	80.0	87.0	0.0	0.0	53.70
		Mean =	99.0	70.5	91.3	0.0	0.0	63.33
5 PREFIX	1.65 lb ai/a	A 201	95.0	70.0	99.0	0.0	0.0	50.70
		505	99.0	87.0	99.0	0.0	0.0	79.60
		705	99.0	60.0	85.0	0.0	0.0	58.70
		905	99.0	80.0	99.0	0.0	0.0	60.30
		Mean =	98.0	74.3	95.5	0.0	0.0	62.33
6 STATEMENT	1.31 lb ai/a	B 202	99.0	80.0	65.0	0.0	3.0	76.10
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 501	95.0	93.0	99.0	0.0	0.0	84.00
AMS - Liquid	17 lb ai/100 gal	B 802	97.0	90.0	99.0	0.0	3.0	79.90
		1005	99.0	95.0	99.0	0.0	0.0	85.00
		Mean =	97.5	89.5	90.5	0.0	1.5	81.25

# Purdue University

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-10-2013	Jul-10-2013	Jul-10-2013	Jul-10-2013	Jul-15-2013	Sep-23-2013
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	PHYSTU	YIELD
Rating Unit	%	%	%	%	%	bu/ac
Number of Subsamples	1	1	1	1	1	1
Crop Stage Majority	R1	R1	R1	R1	R2	
Pest Stage Majority	40 IN	50 IN	30 IN	30 IN		
Pest Density, Unit	15 FT2	6 YD2	3 FT2	2 FT2		
Assessed By	MW	MW	MW	MW	MW	
Days After First/Last Applic.	55 35	55 35	55 35	55 35	60 40	130 110
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1	55 DP-1	60 DP-1	130 DP-1
Days After Emergence	49 DE-1	49 DE-1	49 DE-1	49 DE-1	54 DE-1	124 DE-1
Trt Treatment	Rate	Appl				
No. Name	Rate Unit	Code Plot	15	16	17	18
7 STATEMENT	1.64 lb ai/a	B 204	95.0	93.0	99.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 401	95.0	95.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 601	97.0	93.0	99.0	0.0
		902	99.0	93.0	99.0	0.0
		Mean =	96.5	93.5	99.0	0.0
8 RHYTHM	0.375 lb ai/a	B 205	95.0	87.0	90.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 305	95.0	90.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 604	90.0	80.0	99.0	0.0
		1004	95.0	90.0	90.0	0.0
		Mean =	93.8	86.8	94.5	0.0
9 DAWN	0.375 lb ai/a	B 301	95.0	85.0	99.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 304	87.0	93.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 701	90.0	95.0	99.0	0.0
		1001	95.0	90.0	99.0	0.0
		Mean =	91.8	90.8	99.0	0.0
10 PREFIX	1.32 lb ai/a	B 302	99.0	90.0	99.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 504	99.0	87.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 801	95.0	83.0	99.0	0.0
		1002	99.0	83.0	99.0	0.0
		Mean =	98.0	85.8	99.0	0.0
11 PREFIX	1.65 lb ai/a	B 103	99.0	95.0	60.0	0.0
Glyfos Xtra (3 SL)	0.75 lb ae/a	B 303	97.0	93.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 603	95.0	95.0	99.0	0.0
		803	95.0	90.0	99.0	0.0
		Mean =	96.5	93.3	89.3	0.0
12 Glyfos Xtra (3 SL)	0.75 lb ae/a	B 203	87.0	85.0	99.0	0.0
AMS - Liquid	17 lb ai/100 gal	B 403	93.0	80.0	99.0	0.0
		703	96.0	93.0	95.0	0.0
		903	87.0	85.0	99.0	0.0
		Mean =	90.8	85.8	98.0	0.0

# Purdue University

## TO DETERMINE HERBICIDAL EFFICACY AND SELECTIVITY OF STAMMENT WHEN APPLIED POST TO SOYBEAN IN 2013

Trial ID: 13S-THP-CTS-41      Protocol ID: 13S-THP-CTS-41  
 Location: USA      Study Director: Bill Johnson  
 Project ID: HGLXMAFOMME1302 & 1302      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Cheminova - Jim Barrentine

### 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

### Crop Code

GLXMA, BSOY, Glycine max, = US

### Rating Type

PHYGEN = phytotoxicity - general / injury  
 CONTRO = control / burndown or knockdown  
 PHYLMA = phytotoxicity - leaf malformation  
 PHYNEC = phytotoxicity - necrosis /burn  
 PHYSTU = phytotoxicity - stunting  
 YIELD = yield

### Rating Unit

% = percent  
 bu/ac = bushels per acre

FT2 = per square foot

YD2 = per square yard

### Plant-Eval Interval

14 DP-1 = 1 GLXMA May-16-2013  
 18 DP-1 = 1 GLXMA May-16-2013  
 27 DP-1 = 1 GLXMA May-16-2013  
 34 DP-1 = 1 GLXMA May-16-2013  
 40 DP-1 = 1 GLXMA May-16-2013  
 55 DP-1 = 1 GLXMA May-16-2013  
 60 DP-1 = 1 GLXMA May-16-2013  
 130 DP-1 = 1 GLXMA May-16-2013

# Purdue University

## TO DETERMINE HERBICIDAL EFFICACY AND SELECTIVITY OF STATEMENT WHEN APPLIED POST TO SOYBEAN IN 2013

Trial ID: 13S-THP-CTS-41      Protocol ID: 13S-THP-CTS-41  
 Location: USA      Study Director: Bill Johnson  
 Project ID: HGLXMAFOMME1302 & 1302      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Cheminova - Jim Barrentine

Pest Type		W Weed SETFA	W Weed AMBTR	W Weed CHEAL			W Weed AMBTR		
Pest Code		Setaria faberi	Ambrosia trifi>	Chenopodium al>			Ambrosia trifi>		
Pest Scientific Name		Giant foxtail	Giant ragweed	Common lambsqu>			Giant ragweed		
Pest Name									
Crop Code					GLXMA	GLXMA			
BBCB Scale					BSOY	BSOY			
Crop Scientific Name					Glycine max	Glycine max			
Crop Name					Soybean	Soybean			
Rating Date	May-30-2013	Jun-3-2013	Jun-3-2013	Jun-3-2013	Jun-12-2013	Jun-19-2013	Jun-19-2013		
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	PHYTO	CONTRO		
Rating Unit	%	%	%	%	%	%	%		
Number of Subsamples	1	1	1	1	1	1	1		
Crop Stage Majority	V1					V4			
Pest Stage Majority		2 IN	3 IN	0.5 IN					
Pest Density, Unit		10 FT2	4 YD2	2 YD2					
Assessed By	MW	MW	MW	MW	JH	JH	JH		
Days After First/Last Applic.	14 14	18 18	18 18	18 18	27 7	34 14	34 14		
Plant-Eval Interval	14 DP-1	18 DP-1	18 DP-1	18 DP-1	27 DP-1	34 DP-1	34 DP-1		
Days After Emergence	8 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	28 DE-1	28 DE-1		
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code	1	2	3	4	5	6	7
1 UNTREATED			0.0 a	0.0 b	0.0 c	0.0 a	0.0 e	0.0 b	0.0 d
2 STATEMENT	1.31 lb ai/a	A	0.0 a	97.5 a	65.0 a	99.0 a	3.5 cde	0.0 b	63.8 bc
3 STATEMENT	1.64 lb ai/a	A	0.0 a	96.3 a	58.8 a	84.5 a	1.5 de	0.0 b	52.5 c
4 PREFIX	1.32 lb ai/a	A	0.0 a	99.0 a	47.5 ab	94.3 a	3.5 cde	0.0 b	50.0 c
5 PREFIX	1.65 lb ai/a	A	0.0 a	91.8 a	68.5 a	99.0 a	2.5 de	0.0 b	52.5 c
6 STATEMENT	1.31 lb ai/a	B	0.0 a	36.3 b	12.5 c	49.5 a	10.5 ab	5.0 a	96.3 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
7 STATEMENT	1.64 lb ai/a	B	0.0 a	31.3 b	0.0 c	24.8 a	11.3 ab	5.0 a	96.3 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
8 RHYTHM	0.375 lb ai/a	B	0.0 a	15.0 b	0.0 c	49.5 a	8.8 abc	2.5 ab	88.8 ab
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
9 DAWN	0.375 lb ai/a	B	0.0 a	7.5 b	0.0 c	24.8 a	6.8 bcd	2.5 ab	87.5 ab
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
10 PREFIX	1.32 lb ai/a	B	0.0 a	0.0 b	0.0 c	49.5 a	10.0 ab	5.0 a	86.3 ab
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							
11 PREFIX	1.65 lb ai/a	B	0.0 a	17.5 b	20.0 bc	49.5 a	12.8 a	5.0 a	92.5 ab
Glyfos Xtra (3 SL)	0.75 lb ae/a	B							
AMS - Liquid	17 lb ai/100 gal	B							

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

Pest Type		W Weed SETFA	W Weed AMBTR	W Weed CHEAL		W Weed GLXMA BSOY	W Weed GLXMA BSOY	W Weed AMBTR	
Pest Code		SETFA	AMBTR	CHEAL		GLXMA BSOY	GLXMA BSOY	AMBTR	
Pest Scientific Name		Setaria faberi	Ambrosia trifi>	Chenopodium al>		Glycine max Soybean	Glycine max Soybean	Ambrosia trifi>	
Pest Name		Giant foxtail	Giant ragweed	Common lambsqu>				Giant ragweed	
Crop Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Rating Date	May-30-2013	Jun-3-2013	Jun-3-2013	Jun-3-2013	Jun-12-2013	Jun-19-2013	Jun-19-2013	Jun-19-2013	
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	PHYGEN	PHYTO	PHYTO	CONTRO	
Rating Unit	%	%	%	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	1	1	1	
Crop Stage Majority	V1						V4		
Pest Stage Majority		2 IN	3 IN	0.5 IN					
Pest Density, Unit		10 FT2	4 YD2	2 YD2					
Assessed By	MW	MW	MW	MW	JH	JH	JH	JH	
Days After First/Last Applic.	14 14	18 18	18 18	18 18	27 7	34 14	34 14	34 14	
Plant-Eval Interval	14 DP-1	18 DP-1	18 DP-1	18 DP-1	27 DP-1	34 DP-1	34 DP-1	34 DP-1	
Days After Emergence	8 DE-1	12 DE-1	12 DE-1	12 DE-1	21 DE-1	28 DE-1	28 DE-1	28 DE-1	
Trt Treatment	Rate	Appl							
No. Name	Rate Unit	Code	1	2	3	4	5	6	7
12 Glyfos Xtra (3 SL) AMS - Liquid	0.75 lb ae/a 17 lb ai/100 gal B	B	0.0 a	0.0 b	0.0 c	0.0 a	4.3 cde	2.5 ab	85.0 ab
LSD (P=.05)	0.00		33.40	27.77	58.53	3.85	2.54	20.02	
Standard Deviation	0.00		23.13	19.23	40.53	2.67	1.76	13.86	
CV	0.0		56.41	84.77	77.92	42.57	76.75	19.54	
Bartlett's X2	0.0		26.623	2.388	10.586	20.286	1.27	27.748	
P(Bartlett's X2)	.		0.001*	0.793	0.158	0.016*	0.53	0.002*	
Replicate F	0.000		1.047	0.468	0.162	1.476	2.469	0.176	
Replicate Prob(F)	1.0000		0.3848	0.7067	0.9211	0.2389	0.0792	0.9118	
Treatment F	0.000		13.388	8.852	3.138	10.239	6.551	16.976	
Treatment Prob(F)	1.0000		0.0001	0.0001	0.0054	0.0001	0.0001	0.0001	





# Purdue University

Pest Type	W Weed	W Weed	W Weed				
Pest Code	AMBTR	CHEAL	AMARE				
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>				
Pest Name	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-10-2013	Jul-10-2013	Jul-10-2013	Jul-15-2013	Sep-23-2013		
Rating Type	CONTRO	CONTRO	CONTRO	PHYSTU	YIELD		
Rating Unit	%	%	%	%	bu/ac		
Number of Subsamples	1	1	1	1	1		
Crop Stage Majority	R1	R1	R1	R2			
Pest Stage Majority	50 IN	30 IN	30 IN				
Pest Density, Unit	6 YD2	3 FT2	2 FT2				
Assessed By	MW	MW	MW	MW			
Days After First/Last Applic.	55 35	55 35	55 35	60 40	130 110		
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1	60 DP-1	130 DP-1		
Days After Emergence	49 DE-1	49 DE-1	49 DE-1	54 DE-1	124 DE-1		
Trt Treatment	Rate	Appl					
No. Name	Rate Unit	Code	16	17	18		
1 UNTREATED			0.0 d	0.0 c	0.0 a	0.0 a	21.15 b
2 STATEMENT	1.31 lb ai/a	A	76.3 abc	86.5 a	0.0 a	0.0 a	70.85 a
3 STATEMENT	1.64 lb ai/a	A	70.0 c	57.3 b	0.0 a	0.8 a	73.30 a
4 PREFIX	1.32 lb ai/a	A	70.5 c	91.3 a	0.0 a	0.0 a	63.33 a
5 PREFIX	1.65 lb ai/a	A	74.3 bc	95.5 a	0.0 a	0.0 a	62.33 a
6 STATEMENT	1.31 lb ai/a	B	89.5 ab	90.5 a	0.0 a	1.5 a	81.25 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					
7 STATEMENT	1.64 lb ai/a	B	93.5 a	99.0 a	0.0 a	0.8 a	76.93 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					
8 RHYTHM	0.375 lb ai/a	B	86.8 abc	94.5 a	0.0 a	0.0 a	79.28 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					
9 DAWN	0.375 lb ai/a	B	90.8 ab	99.0 a	0.0 a	0.0 a	85.03 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					
10 PREFIX	1.32 lb ai/a	B	85.8 abc	99.0 a	0.0 a	2.3 a	80.42 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					
11 PREFIX	1.65 lb ai/a	B	93.3 a	89.3 a	0.0 a	2.0 a	82.60 a
Glyfos Xtra (3 SL)	0.75 lb ae/a	B					
AMS - Liquid	17 lb ai/100 gal	B					



# Purdue University

Pest Type	W Weed	W Weed	W Weed		
Pest Code	AMBTR	CHEAL	AMARE		
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>		
Pest Name	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-10-2013	Jul-10-2013	Jul-10-2013	Jul-15-2013	Sep-23-2013
Rating Type	CONTRO	CONTRO	CONTRO	PHYSTU	YIELD
Rating Unit	%	%	%	%	bu/ac
Number of Subsamples	1	1	1	1	1
Crop Stage Majority	R1	R1	R1	R2	
Pest Stage Majority	50 IN	30 IN	30 IN		
Pest Density, Unit	6 YD2	3 FT2	2 FT2		
Assessed By	MW	MW	MW	MW	
Days After First/Last Applic.	55 35	55 35	55 35	60 40	130 110
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1	60 DP-1	130 DP-1
Days After Emergence	49 DE-1	49 DE-1	49 DE-1	54 DE-1	124 DE-1
Trt Treatment	Rate	Appl			
No. Name	Rate Unit	Code	16	17	18
12 Glyfos Xtra (3 SL)	0.75 lb ae/a	B	85.8 abc	98.0 a	0.0 a
AMS - Liquid	17 lb ai/100 gal	B			0.0 a
LSD (P=.05)			11.14	16.67	0.00
Standard Deviation			7.71	11.54	0.00
CV			10.1	13.85	0.0
Bartlett's X2			25.731	19.856	0.0
P(Bartlett's X2)			0.004*	0.006*	.088
Replicate F			0.743	1.995	0.000
Replicate Prob(F)			0.5343	0.1338	1.0000
Treatment F			43.713	24.586	0.000
Treatment Prob(F)			0.0001	0.0001	1.0000
					0.0207
					0.0001

# Purdue University

## TO DETERMINE HERBICIDAL EFFICACY AND SELECTIVITY OF STAMMENT WHEN APPLIED POST TO SOYBEAN IN 2013

Trial ID: 13S-THP-CTS-41      Protocol ID: 13S-THP-CTS-41  
 Location: USA      Study Director: Bill Johnson  
 Project ID: HGLXMAFOMME1302 & 1302      Investigator: Dr. Bill Johnson  
 Sponsor Contact: Cheminova - Jim Barrentine

### 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

### Crop Code

GLXMA, BSOY, Glycine max, = US

### Rating Type

PHYGEN = phytotoxicity - general / injury  
 CONTRO = control / burndown or knockdown  
 PHYLMA = phytotoxicity - leaf malformation  
 PHYNEC = phytotoxicity - necrosis /burn  
 PHYSTU = phytotoxicity - stunting  
 YIELD = yield

### Rating Unit

% = percent  
 bu/ac = bushels per acre

FT2 = per square foot

YD2 = per square yard

### Plant-Eval Interval

14 DP-1 = 1 GLXMA May-16-2013  
 18 DP-1 = 1 GLXMA May-16-2013  
 27 DP-1 = 1 GLXMA May-16-2013  
 34 DP-1 = 1 GLXMA May-16-2013  
 40 DP-1 = 1 GLXMA May-16-2013  
 55 DP-1 = 1 GLXMA May-16-2013  
 60 DP-1 = 1 GLXMA May-16-2013  
 130 DP-1 = 1 GLXMA May-16-2013