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Control of Waterhemp in Roundup Ready Soybean.

Trial ID: 12S-THP-CTS-43 Protocol ID: 12S-THP-CTS-43
 Location: Throckmorton Study Director: White/Marquardt
 Project ID: BLZR 15 US IN 12 03PWR Investigator: Dr. Bill Johnson
 Sponsor Contact: United Phosphorus - Phil Robinson

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: 3-23-2012

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:** wjg@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:** 4-24-2012
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:** AMBTR Ambrosia trifida
Common Name: Giant ragweed

Pest 2 Type: W **Code:** CHEAL Chenopodium album
Common Name: Common lambsquarters

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

Pest 4 Type: W **Code:** ABUTH Abutilon theophrasti
Common Name: Velvetleaf

Pest 5 Type: W **Code:** VERPG Veronica peregrina
Common Name: Purslane speedwell

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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 FT ²	Tillage Type: CONTIL conventional-till
Replications: 4	Study Design: RACOB� Randomized Complete Block (RCB)
	Untreated Arrangement: INCLUDED single control randomized in each block

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

Application Description			
	A	B	C
Application Date:	4-24-2012	5-25-2012	6-8-2012
Time of Day:		7:30 AM	8:15 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	ATPLAN	EAPOCR	MIPOCR
Application Placement:	SOIL	FOLIAR	FOLIAR
Applied By:	MW	MW	MW
Air Temperature, Unit:	60 F	76 F	82 F
% Relative Humidity:	25	68	40
Wind Velocity, Unit:	6 MPH	3 MPH	5 MPH
Wind Direction:	SW	SW	SW
Dew Presence (Y/N):	N no	N no	N no
Soil Temperature, Unit:	60 F	74 F	72 F
Soil Moisture:	DRY	DRY	DRY
% Cloud Cover:	60	80	0

Crop Stage At Each Application			
	A	B	C
Crop 1 Code, BBCH Scale:	GLXMA BSOY	GLXMA BSOY	GLXMA BSOY
Stage Scale Used:		BBCH	BBCH
Stage Majority, Percent:		V2	V4
Height, Unit:		4 IN	10.5 IN

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Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale:	AMBTR W	AMBTR W	AMBTR W
Height Minimum, Maximum:		1 6.5	9 21
Density, Unit:		8 YD2	30 YD2
Pest 2 Code, Type, Scale:	CHEAL W	CHEAL W	CHEAL W
Height Minimum, Maximum:		0.5 4	1 12
Density, Unit:		40 YD2	25 YD2
Pest 3 Code, Type, Scale:	SETFA W	SETFA W	SETFA W
Height Minimum, Maximum:		2 7	7 14
Density, Unit:		60 YD2	50 YD2
Pest 4 Code, Type, Scale:	ABUTH W	ABUTH W	ABUTH W
Height Minimum, Maximum:			8 9
Density, Unit:			5 YD2
Pest 5 Code, Type, Scale:	VERPG W	VERPG W	VERPG W
Height, Unit:		0.5 IN	
Density, Unit:		1 YD2	

Application Equipment

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

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Control of Waterhemp in Roundup Ready Soybean.

Trial ID: 12S-THP-CTS-43 Protocol ID: 12S-THP-CTS-43
 Location: Throckmorton Study Director: White/Marquardt
 Project ID: BLZR 15 US IN 12 03PWR Investigator: Dr. Bill Johnson
 Sponsor Contact: United Phosphorus - Phil Robinson

Pest Type	W Weed SETFA	W Weed AMBTR	W Weed CHEAL	W Weed ABUTH	W Weed SETFA	W Weed AMBTR	W Weed CHEAL			
Pest Code	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>			
Pest Scientific Name	Giant foxtail	Giant ragweed	Common lambsqu>	Velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>			
Pest Name	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA			
Crop Code	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY			
BBCH Scale	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max			
Crop Scientific Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean			
Crop Name	5-25-2012	5-25-2012	5-25-2012	5-25-2012	6-6-2012	6-6-2012	6-6-2012			
Rating Date	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Type	%	%	%	%	%	%	%			
Rating Unit	1	1	1	1	1	1	1			
Number of Subsamples	V2	V2	V2	V2	V3	V3	V3			
Crop Stage Scale	2-7 IN	1-6.5 IN	0.5-4 IN		10 IN	12 IN	8 IN			
Pest Stage Majority	60 YD2	8 YD2	40 YD2		5 FT2	4 YD2	7 FT2			
Pest Density, Unit	MW	MW	MW	MW	MW	MW	MW			
Assessed By	31 31	31 31	31 31	31 31	43 12	43 12	43 12			
Days After First/Last Applic.	31 DP-1	31 DP-1	31 DP-1	31 DP-1	43 DP-1	43 DP-1	43 DP-1			
Plant-Eval Interval	18 DE-1	18 DE-1	18 DE-1	18 DE-1	30 DE-1	30 DE-1	30 DE-1			
Days After Emergence										
Trt Treatment	Rate	Appl								
No. Name	Rate	Unit	Code	1	2	3	4	5	6	7
1				0.0 a	0.0 a	0.0 b	0.0 b	0.0 c	0.0 d	0.0 c
2 TriCor (75 DF)	3 oz ai/a	A		46.3 a	50.0 a	91.8 a	99.0 a	97.5 a	88.8 a	95.8 a
Ultra Blazer (2 SL)	0.188 lb ai/a	B								
Glyfos Xtra (3 SL)	0.94 lb ae/a	B								
MSO	1 % v/v	B								
AMS - Liquid	2.5 % v/v	B								
SelectMax (0.97 EC)	10 lb ai/a	C								
COC	1 % v/v	C								
3 TriCor (75 DF)	3 oz ai/a	A		36.3 a	43.8 a	93.0 a	89.3 a	96.5 a	73.8 b	96.8 a
Storm	0.188 lb ai/a	B								
Glyfos Xtra (3 SL)	0.94 lb ae/a	B								
MSO	1 % v/v	B								
AMS - Liquid	2.5 % v/v	B								
SelectMax (0.97 EC)	10 lb ai/a	C								
COC	1 % v/v	C								
4 TriCor (75 DF)	3 oz ai/a	A		35.0 a	40.0 a	99.0 a	99.0 a	57.5 b	81.3 ab	95.3 a
Ultra Blazer (2 SL)	0.375 lb ai/a	B								
MSO	1 % v/v	B								
AMS - Liquid	2.5 % v/v	B								
SelectMax (0.97 EC)	10 lb ai/a	C								
COC	1 % v/v	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	W Weed	W Weed	W Weed	W Weed	W Weed	W Weed			
Pest Code	SETFA	AMBTR	CHEAL	ABUTH	SETFA	AMBTR	CHEAL			
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Abutilon theop>	Setaria faberi	Ambrosia trifi>	Chenopodium al>			
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>	Velvetleaf	Giant foxtail	Giant ragweed	Common lambsqu>			
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	5-25-2012	5-25-2012	5-25-2012	5-25-2012	6-6-2012	6-6-2012	6-6-2012			
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1	1			
Crop Stage Scale	V2	V2	V2	V2	V3	V3	V3			
Pest Stage Majority	2-7 IN	1-6.5 IN	0.5-4 IN		10 IN	12 IN	8 IN			
Pest Density, Unit	60 YD2	8 YD2	40 YD2		5 FT2	4 YD2	7 FT2			
Assessed By	MW	MW	MW	MW	MW	MW	MW			
Days After First/Last Applic.	31 31	31 31	31 31	31 31	43 12	43 12	43 12			
Plant-Eval Interval	31 DP-1	31 DP-1	31 DP-1	31 DP-1	43 DP-1	43 DP-1	43 DP-1			
Days After Emergence	18 DE-1	18 DE-1	18 DE-1	18 DE-1	30 DE-1	30 DE-1	30 DE-1			
Trt Treatment	Rate	Unit	Appl Code	1	2	3	4	5	6	7
5 TriCor (75 DF)	3 oz ai/a	A		30.0 a	35.0 a	49.5 a	49.5 a	40.0 b	50.0 c	77.5 b
Storm	0.375 lb ai/a	B								
MSO	1 % v/v	B								
AMS - Liquid	2.5 % v/v	B								
SelectMax (0.97 EC)	10 lb ai/a	C								
COC	1 % v/v	C								
LSD (P=.05)				49.31	42.16	41.87	39.74	19.72	8.70	9.76
Standard Deviation				32.01	27.36	27.17	25.79	12.80	5.65	6.33
CV				108.49	81.08	40.77	38.29	21.95	9.61	8.67
Bartlett's X2				1.202	2.889	8.151	2.859	18.82	4.669	6.084
P(Bartlett's X2)				0.753	0.409	0.017*	0.091	0.001*	0.198	0.108
Replicate F				0.763	0.215	0.905	1.484	0.675	1.817	1.277
Replicate Prob(F)				0.5362	0.8838	0.4674	0.2686	0.5836	0.1977	0.3265
Treatment F				1.198	2.062	9.626	11.032	41.097	161.863	172.609
Treatment Prob(F)				0.3614	0.1493	0.0010	0.0005	0.0001	0.0001	0.0001

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Pest Type	W Weed						W Weed	W Weed	
Pest Code	ABUTH						SETFA	AMBTR	
Pest Scientific Name	Abutilon theop>						Setaria faberi	Ambrosia trifi>	
Pest Name	Velvetleaf						Giant foxtail	Giant ragweed	
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	
Rating Date	6-6-2012	6-6-2012	6-6-2012	6-6-2012	6-6-2012	6-26-2012	6-26-2012	6-26-2012	
Rating Type	CONTRO	PHYNLS	PHYLMA	PHYSTU	PHYCHL	PHYGEN	CONTRO	CONTRO	
Rating Unit	%	%	%	%	%	%	%	%	
Number of Subsamples	1	1	1	1	1	1	1	1	
Crop Stage Scale	V3	V3	V3	V3	V3	R2	R2	R2	
Pest Stage Majority	6 IN						6-30 IN	6-40 IN	
Pest Density, Unit	2 YD2						70 M2	30 M2	
Assessed By	MW	MW	MW	MW	MW	JS/JR	JS/JR	JS/JR	
Days After First/Last Applic.	43 12	43 12	43 12	43 12	43 12	63 18	63 18	63 18	
Plant-Eval Interval	43 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1	63 DP-1	63 DP-1	63 DP-1	
Days After Emergence	30 DE-1	30 DE-1	30 DE-1	30 DE-1	30 DE-1	50 DE-1	50 DE-1	50 DE-1	
Trt No.	8	9	10	11	12	13	14	15	
Treatment Name									
Rate									
Unit									
Appl Code									
1	0.0 b	0.0 d	0.0 d	0.0 a	0.0 b	0.0 a	0.0 c	0.0 b	
2 TriCor (75 DF) Ultra Blazer (2 SL) Glyphos Xtra (3 SL) MSO AMS - Liquid SelectMax (0.97 EC) COC	3 oz ai/a A 0.188 lb ai/a B 0.94 lb ae/a B 1 % v/v B 2.5 % v/v B 10 lb ai/a C 1 % v/v C	99.0 a	10.0 a	11.3 b	3.8 a	0.0 b	6.3 a	100.0 a	81.3 a
3 TriCor (75 DF) Storm Glyphos Xtra (3 SL) MSO AMS - Liquid SelectMax (0.97 EC) COC	3 oz ai/a A 0.188 lb ai/a B 0.94 lb ae/a B 1 % v/v B 2.5 % v/v B 10 lb ai/a C 1 % v/v C	95.8 a	4.5 c	5.0 c	1.3 a	9.3 a	16.0 a	100.0 a	81.3 a
4 TriCor (75 DF) Ultra Blazer (2 SL) MSO AMS - Liquid SelectMax (0.97 EC) COC	3 oz ai/a A 0.375 lb ai/a B 1 % v/v B 2.5 % v/v B 10 lb ai/a C 1 % v/v C	94.3 a	6.5 b	15.0 a	5.0 a	0.0 b	2.5 a	83.8 a	17.5 b

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Pest Type	W Weed						W Weed	W Weed				
Pest Code	ABUTH						SETFA	AMBTR				
Pest Scientific Name	Abutilon theop>						Setaria faberi	Ambrosia trifi>				
Pest Name	Velvetleaf						Giant foxtail	Giant ragweed				
Crop Code	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA				
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY	BSOY				
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max				
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean	Soybean				
Rating Date	6-6-2012	6-6-2012	6-6-2012	6-6-2012	6-6-2012	6-26-2012	6-26-2012	6-26-2012				
Rating Type	CONTRO	PHYNLS	PHYLMA	PHYSTU	PHYCHL	PHYGEN	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1	1	1	1				
Crop Stage Scale	V3	V3	V3	V3	V3	R2	R2	R2				
Pest Stage Majority	6 IN					6-30 IN	6-40 IN	6-40 IN				
Pest Density, Unit	2 YD2					70 M2	30 M2	30 M2				
Assessed By	MW	MW	MW	MW	MW	JS/JR	JS/JR	JS/JR				
Days After First/Last Applic.	43 12	43 12	43 12	43 12	43 12	63 18	63 18	63 18				
Plant-Eval Interval	43 DP-1	43 DP-1	43 DP-1	43 DP-1	43 DP-1	63 DP-1	63 DP-1	63 DP-1				
Days After Emergence	30 DE-1	30 DE-1	30 DE-1	30 DE-1	30 DE-1	50 DE-1	50 DE-1	50 DE-1				
Trt	Treatment	Rate	Unit	Appl								
No.	Name	Rate	Unit	Code	8	9	10	11	12	13	14	15
5	TriCor (75 DF)	3 oz ai/a	A		78.3 a	5.0 c	10.0 b	1.3 a	0.0 b	1.0 a	48.8 b	0.0 b
	Storm	0.375 lb ai/a	B									
	MSO	1 % v/v	B									
	AMS - Liquid	2.5 % v/v	B									
	SelectMax (0.97 EC)	10 lb ai/a	C									
	COC	1 % v/v	C									
LSD (P=.05)		24.83	1.41		1.72	4.28	1.03	11.60	32.24	14.63		
Standard Deviation		16.11	0.91		1.12	2.78	0.67	7.53	20.92	9.50		
CV		21.94	17.56		13.55	123.4	36.26	146.17	31.46	26.38		
Bartlett's X2		10.058	0.976		0.0	1.142	0.0	23.964	0.692	1.329		
P(Bartlett's X2)		0.007*	0.614		.	0.767	.	0.001*	0.405	0.515		
Replicate F		0.570	1.600		1.000	0.595	1.000	1.104	0.712	1.589		
Replicate Prob(F)		0.6453	0.2411		0.4262	0.6305	0.4262	0.3853	0.5633	0.2436		
Treatment F		26.959	62.760		109.000	2.189	152.111	2.995	16.631	77.924		
Treatment Prob(F)		0.0001	0.0001		0.0001	0.1318	0.0001	0.0628	0.0001	0.0001		

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Pest Type				W Weed
Pest Code				CHEAL
Pest Scientific Name				Chenopodium al>
Pest Name				Common lambsqu>
Crop Code				GLXMA
BBCH Scale				BSOY
Crop Scientific Name				Glycine max
Crop Name				Soybean
Rating Date				6-26-2012
Rating Type				CONTRO
Rating Unit				%
Number of Subsamples				1
Crop Stage Scale				R2
Pest Stage Majority				6-18 IN
Pest Density, Unit				12 M2
Assessed By				JS/JR
Days After First/Last Applic.				63 18
Plant-Eval Interval				63 DP-1
Days After Emergence				50 DE-1
Trt No.	Treatment Name	Rate	Appl Unit	Code
1				0.0 c
2	TriCor (75 DF)	3 oz ai/a	A	96.3 a
	Ultra Blazer (2 SL)	0.188 lb ai/a	B	
	Glyfos Xtra (3 SL)	0.94 lb ae/a	B	
	MSO	1 % v/v	B	
	AMS - Liquid	2.5 % v/v	B	
	SelectMax (0.97 EC)	10 lb ai/a	C	
	COC	1 % v/v	C	
3	TriCor (75 DF)	3 oz ai/a	A	98.8 a
	Storm	0.188 lb ai/a	B	
	Glyfos Xtra (3 SL)	0.94 lb ae/a	B	
	MSO	1 % v/v	B	
	AMS - Liquid	2.5 % v/v	B	
	SelectMax (0.97 EC)	10 lb ai/a	C	
	COC	1 % v/v	C	
4	TriCor (75 DF)	3 oz ai/a	A	60.0 ab
	Ultra Blazer (2 SL)	0.375 lb ai/a	B	
	MSO	1 % v/v	B	
	AMS - Liquid	2.5 % v/v	B	
	SelectMax (0.97 EC)	10 lb ai/a	C	
	COC	1 % v/v	C	

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Pest Type	W Weed		
Pest Code	CHEAL		
Pest Scientific Name	Chenopodium al>		
Pest Name	Common lambsqu>		
Crop Code	GLXMA		
BBCH Scale	BSOY		
Crop Scientific Name	Glycine max		
Crop Name	Soybean		
Rating Date	6-26-2012		
Rating Type	CONTRO		
Rating Unit	%		
Number of Subsamples	1		
Crop Stage Scale	R2		
Pest Stage Majority	6-18 IN		
Pest Density, Unit	12 M2		
Assessed By	JS/JR		
Days After First/Last Applic.	63 18		
Plant-Eval Interval	63 DP-1		
Days After Emergence	50 DE-1		
Trt No.	Treatment Name	Rate	Appl Code
		Unit	
			16
5	TriCor (75 DF)	3 oz ai/a	A
	Storm	0.375 lb ai/a	B
	MSO	1 % v/v	B
	AMS - Liquid	2.5 % v/v	B
	SelectMax (0.97 EC)	10 lb ai/a	C
	COC	1 % v/v	C
			25.0 bc
LSD (P=.05)	46.30		
Standard Deviation	30.05		
CV	53.66		
Bartlett's X2	19.451		
P(Bartlett's X2)	0.001*		
Replicate F	1.495		
Replicate Prob(F)	0.2659		
Treatment F	8.372		
Treatment Prob(F)	0.0018		

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 Location: Throckmorton Study Director: White/Marquardt
 Project ID: BLZR 15 US IN 12 03PWR Investigator: Dr. Bill Johnson
 Sponsor Contact: United Phosphorus - Phil Robinson

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

Crop Code

GLXMA, BSOY, *Glycine max*, = US

Rating Type

CONTRO = control / burndown or knockdown
 PHYNLS = phytotoxicity - necrosis, leaf spot
 PHYLMA = phytotoxicity - leaf malformation
 PHYSTU = phytotoxicity - stunting
 PHYCHL = phytotoxicity - chlorosis
 PHYGEN = phytotoxicity - general / injury

Rating Unit

% = percent

YD2 = per square yard

FT2 = per square foot

M2 = per square meter

Plant-Eval Interval

31 DP-1 = 1 GLXMA 4-24-2012

43 DP-1 = 1 GLXMA 4-24-2012

63 DP-1 = 1 GLXMA 4-24-2012