

# The Ohio State University

## Overlapping residual comparisons in Roundup Ready and Liberty Link soybeans side by side

Trial ID: 16 EHLRRL Location: Western Branch Trial Year: 2016  
 Protocol ID: 16 EHLRRL Investigator: Dr. Mark M. Loux  
 Project ID: EHL50Y01-2016 Study Director: Bryan Reeb  
 Sponsor Contact: Dain Bruns, Syngenta

### General Trial Information

**Study Director:** Bryan Reeb  
**Investigator:** Dr. Mark M. Loux

**Latitude of LL Corner °:** 39.8602 N  
**Longitude of LL Corner °:** 83.67207 W  
**Altitude of LL Corner, Unit:** 1086.00 FT

**Conducted Under GLP:** No  
**Conducted Under GEP:** No

### Contacts

**Study Director:** Bryan Reeb

**Investigator:** Dr. Mark M. Loux

### Crop Description

**Crop 1:** GLXMA Glycine max  
**Variety:** AG3536  
**Description:** Asgrow RR2

**BBCH Scale:** BSOY

**Planting Rate, Unit:** 175000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 15 IN  
**Soil Temperature, Unit:** 67 F  
**Soil Moisture:** DRY dry  
**Seed Bed:** MEDIUM medium

**Planting Date:** 5-25-2016  
**Planting Method:** PLANTD planted  
**Planting Equipment:** FE Field Equipment  
**Emergence Date:** 6-1-2016

**Crop 2:** GLXMA Glycine max  
**Variety:** AG29X6  
**Description:** Asgrow RRX

**BBCH Scale:** BSOY

**Planting Rate, Unit:** 175000 S/A  
**Depth, Unit:** 1 IN  
**Row Spacing, Unit:** 15 IN  
**Soil Temperature, Unit:** 67 F  
**Soil Moisture:** DRY dry  
**Seed Bed:** MEDIUM medium

**Planting Date:** 5-25-2016  
**Planting Method:** PLANTD planted  
**Planting Equipment:** FE Field Equipment  
**Emergence Date:** 6-1-2016

### Pest Description

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

**Pest 2 Type:** W **Code:** IPOHE *Ipomoea hederacea*  
**Common Name:** Ivyleaf morningglory

**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:** AMBTR *Ambrosia trifida*  
**Common Name:** Giant ragweed

**Pest 6 Type:** W **Code:** SETPU *Setaria pumila*  
**Common Name:** yellow foxtail

**Pest 7 Type:** W **Code:** ECHCG *Echinochloa crus-galli*  
**Common Name:** Common barnyard grass

### Site and Design

**Treated Plot Width:** 10 FT  
**Treated Plot Length:** 30 FT  
**Treated Plot Area:** 300 FT2 **Treatments:** 8  
**Replications:** 4

**Site Type:** FIELD field  
**Experimental Unit:** 1 PLOT plot  
**Tillage Type:** CONTIL conventional-till  
**Study Design:** RACOB� Randomized Complete Block (RCB)

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### Soil Description

**Description Name:** F-8 West  
**% OM:** 3.1      **Texture:** SICL silty clay loam  
**pH:** 6.3      **Soil Name:** Kokomo  
**CEC:** 20      **Fert. Level:** G good  
**Soil Drainage:** G good

### Application Description

	A	B
<b>Application Date:</b>	5-25-2016	6-24-2016
<b>Appl. Start Time:</b>	10:30 AM	8:00 AM
<b>Appl. Stop Time:</b>	10:45 AM	8:15 AM
<b>Interval to Prev. Appl., Unit:</b>		30 DAYS
<b>Application Method:</b>	SPRAY	SPRAY
<b>Application Timing:</b>	PRE	MPO
<b>Application Placement:</b>	BROSOI	BROFOL
<b>Applied By:</b>	LAMB	REEB
<b>Air Temperature, Unit:</b>	79 F	68.3 F
<b>% Relative Humidity:</b>	47	78
<b>Wind Velocity, Unit:</b>	9 MPH	4.5 MPH
<b>Wind Direction:</b>	SSW	ENE
<b>Dew Presence (Y/N):</b>	N no	Y yes
<b>Soil Temperature, Unit:</b>	66 F	69 F
<b>Soil Moisture:</b>	DRY	SLIDRY
<b>% Cloud Cover:</b>	75	20
<b>Next Moisture Occurred On:</b>	5-29-2016	6-26-2016
<b>Time to Next Moisture, Unit:</b>	4 D	2 DAYS

### 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>		13 100
<b>Height, Unit:</b>		8 IN
<b>Crop 2 Code, BBCH Scale:</b>	GLXMA BSOY	GLXMA BSOY
<b>Stage Scale Used:</b>	BBCH	BBCH
<b>Stage Majority, Percent:</b>		13 100
<b>Height, Unit:</b>		8 IN

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Trial ID: 16 EHLRLL                      Location: Western Branch   Trial Year: 2016  
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 Project ID: EHLISOY01-2016        Study Director: Bryan Reeb  
    Sponsor Contact: Dain Bruns, Syngenta

### Pest Stage At Each Application

	A	B
<b>Pest 1 Code, Type, Scale:</b>	SETFA W	SETFA W
<b>Stage Majority, Percent:</b>		17 100
<b>Height, Unit:</b>		6 IN
<b>Height Minimum, Maximum:</b>		6 8
<b>Density, Unit:</b>		40 m2
<b>Pest 2 Code, Type, Scale:</b>	IPOHE W	IPOHE W
<b>Stage Majority, Percent:</b>		14 60
<b>Stage Minimum, Percent:</b>		17 40
<b>Stage Maximum, Percent:</b>		14 60
<b>Height, Unit:</b>		4 IN
<b>Height Minimum, Maximum:</b>		2 4
<b>Density, Unit:</b>		1 m2
<b>Pest 3 Code, Type, Scale:</b>	CHEAL W	CHEAL W
<b>Stage Majority, Percent:</b>		14 60
<b>Stage Minimum, Percent:</b>		12 40
<b>Stage Maximum, Percent:</b>		14 60
<b>Height, Unit:</b>		2 IN
<b>Height Minimum, Maximum:</b>		1 4
<b>Density, Unit:</b>		8 m2
<b>Pest 4 Code, Type, Scale:</b>	AMARE W	AMARE W
<b>Stage Majority, Percent:</b>		19 100
<b>Height, Unit:</b>		4 in
<b>Height Minimum, Maximum:</b>		2 6
<b>Density, Unit:</b>		15 m2
<b>Pest 5 Code, Type, Scale:</b>	AMBTR W	AMBTR W
<b>Stage Majority, Percent:</b>		19 100
<b>Height, Unit:</b>		8 IN
<b>Height Minimum, Maximum:</b>		6 10
<b>Density, Unit:</b>		3 m2
<b>Pest 6 Code, Type, Scale:</b>	SETPU W	SETPU W
<b>Stage Majority, Percent:</b>		16 60
<b>Stage Minimum, Percent:</b>		14 40
<b>Stage Maximum, Percent:</b>		16 60
<b>Height, Unit:</b>		4 IN
<b>Height Minimum, Maximum:</b>		4 6
<b>Pest 7 Code, Type, Scale:</b>	ECHCG W	ECHCG W
<b>Density, Unit:</b>		70 m2

### Application Equipment

	A	B
<b>Appl. Equipment:</b>	10' BACKPACK	10' BACKPACK
<b>Equipment Type:</b>	BACCAI	BACCAI
<b>Operation Pressure, Unit:</b>	50 PSI	44 PSI
<b>Nozzle Type:</b>	AIXR	AIXR
<b>Nozzle Size:</b>	11015	11015
<b>Nozzle Spacing, Unit:</b>	18 IN	18 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>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 gal/ac	15 gal/ac
<b>Mix Size, Unit:</b>	2 liters	2 liters
<b>Propellant:</b>	COMCO2	COMCO2

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 Sponsor Contact: Dain Bruns, Syngenta

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	SETFA	ECHCG	AMBTR	CHEAL	AMARE					
Pest Scientific Name	Setaria faberi	Echinochloa cr>	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>					
Pest Name	Giant foxtail	Common barnyar>	Giant ragweed	Common lambsqu>	Redroot pigweed					
Rating Date	6-16-2016	6-16-2016	6-16-2016	6-16-2016	6-16-2016					
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
SE Group No.	1	2	9	3	4					
Days After First/Last Applic.	22 22	22 22	22 22	22 22	22 22					
Trt-Eval Interval	22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A					
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	22 DP-1	22 DP-1					
Days After Emergence	15 DE-1	15 DE-1	15 DE-1	15 DE-1	15 DE-1					
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
1	Boundary	1.75 pt/a		A	0.0 -	0.0 d	0.0 c	0.0 c	0.0 b	0.0 b
	Flexstar GT 3.5	3.5 pt/a		B	0.0 -	88.8 a	87.5 a	40.0 b	97.5 a	100.0 a
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
3	Boundary	1.75 pt/a		A	0.0 -	90.0 a	90.0 a	47.5 b	96.3 a	99.5 a
	Dual II Magnum	1 pt/a		B						
	Flexstar GT 3.5	3.5 pt/a		B						
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
4	Broadaxe XC	25 oz/a		A	0.0 -	88.8 a	88.8 a	40.0 b	98.3 a	98.8 a
	Flexstar GT 3.5	3.5 pt/a		B						
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
5	Boundary	1.75 pt/a		A	0.0 -	83.8 a	83.8 a	47.5 b	97.0 a	100.0 a
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
6	Broadaxe XC	32 oz/a		A	0.0 -	88.8 a	88.8 a	45.0 b	97.5 a	100.0 a
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
7	Valor XLT @ 3oz				0.0 -	68.8 b	62.5 b	60.0 a	100.0 a	100.0 a
	Valor SX	1.76 oz/a		A						
	Classic	1.24 oz/a		A						
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
8	Sonic	4 oz/a		A	0.0 -	57.5 c	55.0 b	60.0 a	96.3 a	99.5 a
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
LSD P=.05					.	9.61	10.01	11.57	4.89	1.46
Standard Deviation					0.00	6.54	6.81	7.87	3.32	0.99
CV					0.0	9.24	9.79	18.51	3.89	1.14
Bartlett's X2					0.0	9.363	10.069	2.098	3.202	3.478
P(Bartlett's X2)					.	0.154	0.122	0.91	0.669	0.176
Skewness					.	-1.6802*	-1.5328*	-0.7693	-2.3378*	-2.3769*
Kurtosis					.	1.6906*	1.2698	0.4248	3.7832*	3.8976*
Replicate F					0.000	1.724	1.321	9.423	1.218	1.387
Replicate Prob(F)					1.0000	0.1927	0.2940	0.0004	0.3279	0.2742
Treatment F					0.000	89.522	83.622	22.962	431.256	5051.361
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, LSD)  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 \* Adjusted means  
 Could not calculate LSD (% mean diff) for columns 1,10,19,23 because error mean square = 0.

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	IPOHE	ABUTH	SIDSP	SETFA	ECHCG					
Pest Scientific Name	Ipomoea heder>	Abutilon theop>	Sida spinosa	Setaria faberi	Echinochloa cr>					
Pest Name	lvyleaf mornin>	velvetleaf	Prickly sida	Giant foxtail	Common barnyar>					
Rating Date	6-16-2016	6-16-2016	6-16-2016	6-23-2016	6-23-2016					
Rating Type	CONTRO	CONTRO	CONTRO	PHYGEN	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
SE Group No.	6	7	8	10	11					
Days After First/Last Applic.	22 22	22 22	22 22	29 29	29 29					
Trt-Eval Interval	22 DA-A	22 DA-A	22 DA-A	29 DA-A	29 DA-A					
Plant-Eval Interval	22 DP-1	22 DP-1	22 DP-1	29 DP-1	29 DP-1					
Days After Emergence	15 DE-1	15 DE-1	15 DE-1	22 DE-1	22 DE-1					
Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*	11*	12*
1					0.0 c	0.0 b	0.0 c	0.0 -	0.0 c	0.0 c
2	Boundary	1.75 pt/a		A	88.8 a	96.3 a	95.8 ab	0.0 -	87.5 a	85.0 a
	Flexstar GT 3.5	3.5 pt/a		B						
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
3	Boundary	1.75 pt/a		A	88.8 a	95.0 a	97.5 ab	0.0 -	86.3 a	83.8 a
	Dual II Magnum	1 pt/a		B						
	Flexstar GT 3.5	3.5 pt/a		B						
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
4	Broadaxe XC	25 oz/a		A	90.0 a	95.0 a	95.0 ab	0.0 -	86.3 a	82.5 a
	Flexstar GT 3.5	3.5 pt/a		B						
	MSO	0.6 qt/a		B						
	N-pak ams	1.5 qt/a		B						
5	Boundary	1.75 pt/a		A	72.5 b	95.0 a	93.8 ab	0.0 -	78.8 a	82.5 a
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
6	Broadaxe XC	32 oz/a		A	92.5 a	97.5 a	92.5 b	0.0 -	85.0 a	86.3 a
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
7	Valor XLT @ 3oz				95.0 a	100.0 a	97.5 ab	0.0 -	47.5 b	50.0 b
	Valor SX	1.76 oz/a		A						
	Classic	1.24 oz/a		A						
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
8	Sonic	4 oz/a		A	92.5 a	97.5 a	98.8 a	0.0 -	42.5 b	40.0 b
	Liberty	29 oz/a		B						
	N-pak ams	1.5 qt/a		B						
LSD P=.05					7.09	5.76	5.91	.	12.80	10.73
Standard Deviation					4.82	3.92	4.02	0.00	8.71	7.30
CV					6.22	4.64	4.8	0.0	13.56	11.45
Bartlett's X2					4.396	2.552	3.87	0.0	2.384	4.118
P(Bartlett's X2)					0.623	0.769	0.694	.	0.881	0.661
Skewness					-2.1022*	-2.3172*	-2.298*	.	-1.0287*	-1.1217*
Kurtosis					3.0808*	3.7254*	3.6662*	.	-0.0558	0.0464
Replicate F					0.359	1.000	2.671	0.000	0.835	1.369
Replicate Prob(F)					0.7832	0.4123	0.0738	1.0000	0.4897	0.2797
Treatment F					177.154	304.496	284.908	0.000	53.018	73.777
Treatment Prob(F)					0.0001	0.0001	0.0001	1.0000	0.0001	0.0001



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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed				
Pest Code	SETFA	AMBTR	CHEAL	AMARE	IPOHE				
Pest Scientific Name	Setaria faberi	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Ipomoea heder>				
Pest Name	Giant foxtail	Giant ragweed	Common lambsqu>	Redroot pigweed	Ivyleaf mornin>				
Rating Date	7-19-2016	7-19-2016	7-19-2016	7-19-2016	7-19-2016				
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO				
Rating Unit	%	%	%	%	%				
Number of Subsamples	1	1	1	1	1				
SE Group No.	19	20	21	22	24				
Days After First/Last Applic.	55 25	55 25	55 25	55 25	55 25				
Trt-Eval Interval									
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1	55 DP-1	55 DP-1				
Days After Emergence	48 DE-1	48 DE-1	48 DE-1	48 DE-1	48 DE-1				
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	19*	20*	21*	22*	23*	24*
1				0.0 -	0.0 c	0.0 d	0.0 b	0.0 b	0.0 b
2 Boundary	1.75 pt/a		A	0.0 -	100.0 a	96.3 ab	100.0 a	100.0 a	100.0 a
Flexstar GT 3.5	3.5 pt/a		B						
MSO	0.6 qt/a		B						
N-pak ams	1.5 qt/a		B						
3 Boundary	1.75 pt/a		A	0.0 -	98.8 a	100.0 a	100.0 a	100.0 a	100.0 a
Dual II Magnum	1 pt/a		B						
Flexstar GT 3.5	3.5 pt/a		B						
MSO	0.6 qt/a		B						
N-pak ams	1.5 qt/a		B						
4 Broadaxe XC	25 oz/a		A	0.0 -	100.0 a	100.0 a	100.0 a	100.0 a	99.5 a
Flexstar GT 3.5	3.5 pt/a		B						
MSO	0.6 qt/a		B						
N-pak ams	1.5 qt/a		B						
5 Boundary	1.75 pt/a		A	0.0 -	88.3 b	92.5 abc	99.5 a	100.0 a	97.5 a
Liberty	29 oz/a		B						
N-pak ams	1.5 qt/a		B						
6 Broadaxe XC	32 oz/a		A	0.0 -	98.8 a	81.3 c	100.0 a	100.0 a	100.0 a
Liberty	29 oz/a		B						
N-pak ams	1.5 qt/a		B						
7 Valor XLT @ 3oz				0.0 -	91.3 ab	96.3 ab	100.0 a	100.0 a	100.0 a
Valor SX	1.76 oz/a		A						
Classic	1.24 oz/a		A						
Liberty	29 oz/a		B						
N-pak ams	1.5 qt/a		B						
8 Sonic	4 oz/a		A	0.0 -	98.3 ab	86.3 bc	100.0 a	100.0 a	100.0 a
Liberty	29 oz/a		B						
N-pak ams	1.5 qt/a		B						
LSD P=.05				.	10.25	11.99	0.52	.	2.58
Standard Deviation				0.00	6.97	8.16	0.35	0.00	1.75
CV				0.0	8.26	10.0	0.4	0.0	2.01
Bartlett's X2				0.0	19.72	5.874	0.0	0.0	5.616
P(Bartlett's X2)				.	0.001*	0.209	.	.	0.018*
Skewness				.	-2.18*	-2.0449*	-2.3804*	-2.3809*	-2.3682*
Kurtosis				.	3.1896*	2.8626*	3.9079*	3.9094*	3.8701*
Replicate F				0.000	1.914	0.016	1.000	0.000	1.465
Replicate Prob(F)				1.0000	0.1582	0.9972	0.4123	1.0000	0.2527
Treatment F				0.000	97.296	67.913	39943.861	0.000	1614.954
Treatment Prob(F)				1.0000	0.0001	0.0001	0.0001	1.0000	0.0001

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    Sponsor Contact: Dain Bruns, Syngenta

Pest Type		W Weed	W Weed		
Pest Code		ABUTH	SIDSP		
Pest Scientific Name		Abutilon theop>	Sida spinosa		
Pest Name		velvetleaf	Prickly sida		
Rating Date		7-19-2016	7-19-2016		
Rating Type		CONTRO	CONTRO		
Rating Unit		%	%		
Number of Subsamples		1	1		
SE Group No.		25	26		
Days After First/Last Applic.		55 25	55 25		
Trt-Eval Interval					
Plant-Eval Interval		55 DP-1	55 DP-1		
Days After Emergence		48 DE-1	48 DE-1		
Trt Treatment No. Name	Other Rate	Other Rate	Appl Unit Code	25*	26*
1				0.0 b	0.0 b
2 Boundary	1.75 pt/a		A	100.0 a	100.0 a
Flexstar GT 3.5	3.5 pt/a		B		
MSO	0.6 qt/a		B		
N-pak ams	1.5 qt/a		B		
3 Boundary	1.75 pt/a		A	100.0 a	100.0 a
Dual II Magnum	1 pt/a		B		
Flexstar GT 3.5	3.5 pt/a		B		
MSO	0.6 qt/a		B		
N-pak ams	1.5 qt/a		B		
4 Broadaxe XC	25 oz/a		A	100.0 a	100.0 a
Flexstar GT 3.5	3.5 pt/a		B		
MSO	0.6 qt/a		B		
N-pak ams	1.5 qt/a		B		
5 Boundary	1.75 pt/a		A	100.0 a	99.5 a
Liberty	29 oz/a		B		
N-pak ams	1.5 qt/a		B		
6 Broadaxe XC	32 oz/a		A	100.0 a	100.0 a
Liberty	29 oz/a		B		
N-pak ams	1.5 qt/a		B		
7 Valor XLT @ 3oz				98.8 a	100.0 a
Valor SX	1.76 oz/a		A		
Classic	1.24 oz/a		A		
Liberty	29 oz/a		B		
N-pak ams	1.5 qt/a		B		
8 Sonic	4 oz/a		A	100.0 a	100.0 a
Liberty	29 oz/a		B		
N-pak ams	1.5 qt/a		B		
LSD P=.05				1.30	0.52
Standard Deviation				0.88	0.35
CV				1.01	0.4
Bartlett's X2				0.0	0.0
P(Bartlett's X2)				.	.
Skewness				-2.3777*	-2.3804*
Kurtosis				3.8999*	3.9079*
Replicate F				1.000	1.000
Replicate Prob(F)				0.4123	0.4123
Treatment F				6378.143	39943.861
Treatment Prob(F)				0.0001	0.0001



# The Ohio State University

## Overlapping residual comparisons in Roundup Ready and Liberty Link soybeans side by side

Trial ID: 16 EHLRRL      Location: Western Branch      Trial Year: 2016  
Protocol ID: 16 EHLRRL      Investigator: Dr. Mark M. Loux  
Project ID: EHLSOY01-2016      Study Director: Bryan Reeb  
Sponsor Contact: Dain Bruns, Syngenta

### Pest Type

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

### Pest Code

SETFA, *Setaria faberi*, = US  
ECHCG, *Echinochloa crus-galli*, = US  
AMBTR, *Ambrosia trifida*, = US  
CHEAL, *Chenopodium album*, = US  
AMARE, *Amaranthus retroflexus*, = US  
IPOHE, *Ipomoea hederacea*, = US  
ABUTH, *Abutilon theophrasti*, = US  
SIDSP, *Sida spinosa*, = US

### Rating Type

PHYGEN = phytotoxicity - general / injury  
CONTRO = control / burndown or knockdown

### Rating Unit

% = percent

### Plant-Eval Interval

22 DP-1 = 1 GLXMA 5-25-2016  
29 DP-1 = 1 GLXMA 5-25-2016  
55 DP-1 = 1 GLXMA 5-25-2016