

The Ohio State University

Compare efficacy of Liberty (PRE and POST) with BASF residuals (PRE and POST) in no-till soybeans
 Trial ID: 18 LLNT Location: G-8 East End Trial Year: 2018
 Protocol ID: 18 LLNT Investigator: Dr. Mark M. Loux
 Project ID: MKD H 2018 US D41 A 01 Study Director: Bryan Reeb
 Sponsor Contact: Alice Harris, BASF

General Trial Information

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

Discipline: H herbicide
Initiation Date: Apr-30-2018

Trial Location

City: South Charleston **Country:** USA United States
State/Prov.: Ohio
Postal Code: 45368 **Climate Zone:** USWARM US Warm Continental

Latitude of LL Corner °: 39.85789 N
Longitude of LL Corner °: 83.67664 W
Altitude of LL Corner, Unit: 1090.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

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

Cooperator: Alice Harris
Organization: BASF

E-mail: alice.harris@basf.com

Cooperator/Landowner

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: Credenz 3841 LL **BBCH Scale:** BSOY
Description: Liberty Link

Planting Rate, Unit: 166000 S/A
Depth, Unit: 1.25 IN
Row Spacing, Unit: 15 IN
Soil Moisture: NORMAL normal, adequate
Seed Bed: MEDTRA medium/trashy

Planting Date: Apr-30-2018
Planting Method: PLANTD planted
Planting Equipment: FE field equipment
Emergence Date: May-11-2018

Pest Description

- Pest 1 Type:** W **Code:** SENGL *Packera glabella*
Common Name: Cressleaf groundsel
- Pest 2 Type:** W **Code:** RANAB *Ranunculus abortivus*
Common Name: Smallflower buttercup
- Pest 3 Type:** W **Code:** CARPE *Cardamine pensylvanica*
Common Name: Pennsylvania bittercress
- Pest 4 Type:** W **Code:** SETFA *Setaria faberi*
Common Name: Giant foxtail
- Pest 5 Type:** W **Code:** VERPG *Veronica peregrina*
Common Name: Purslane speedwell
- Pest 6 Type:** W **Code:** AMBTR *Ambrosia trifida*
Common Name: Giant ragweed
- Pest 7 Type:** W **Code:** AMARE *Amaranthus retroflexus*
Common Name: Redroot pigweed
- Pest 8 Type:** W **Code:** ABUTH *Abutilon theophrasti*
Common Name: velvetleaf
- Pest 9 Type:** W **Code:** SIDSP *Sida spinosa*
Common Name: Prickly sida
- Pest10 Type:** W **Code:** ECHCG *Echinochloa crus-galli*
Common Name: Common barnyard grass

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Site and Design
Site Type: FIELD field
Experimental Unit: 1 PLOT plot
Tillage Type: NOTILL no-till
Study Design: RACOBL Randomized Complete Block (RCB)
Treated Plot Width: 6.67 FT
Treated Plot Length: 30 FT
Treated Plot Area: 200.1 FT2 **Treatments:** 10
Replications: 3

No. Previous Crop Year
 1. Soybeans 2017

Soil Description

Description Name: G-8
% Sand: 27 **% OM:** 2.4 **Texture:** SICL silty clay loam
% Silt: 47 **pH:** 6.2 **Soil Name:** Crosby Silt Loam
% Clay: 17 **CEC:** 13.4 **Fert. Level:** G good
Soil Drainage: F fair

Application Description

	A	B	C	D	E
Application Date:	Apr-30-2018	May-17-2018	May-29-2018	Jun-6-2018	Jun-14-2018
Appl. Start Time:	1:00 PM	10:00 AM	11:50 AM	8:50 AM	10:45 AM
Appl. Stop Time:	1:20 PM	10:05 AM	12:00 PM	9:10 AM	11:00 AM
Interval to Prev. Appl., Unit:		17 DAYS	12 DAYS	8 DAYS	8 DAYS
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	ATPLAN	V1	V3	V5	R1
Application Placement:	BROSOI	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:		Dobbels	Reeb	Reeb	Reeb
Air Temperature, Unit:	64 F	75.6 F	81 F	59 F	71 F
% Relative Humidity:	25	62	63	73	55
Wind Velocity, Unit:	4 MPH	4 MPH	10 MPH	6 MPH	3 MPH
Wind Direction:	SW	SE	SE	NE	NE
Dew Presence (Y/N):	N no	N no	N no	Y yes	Y yes
Soil Temperature, Unit:	60 F	68 F	81 F	60 F	72 F
Soil Moisture:	NORMAL	NORMAL	SLIDRY	NORMAL	WET
% Cloud Cover:	20	30	40	0	0
Next Moisture Occurred On:	May-3-2018	May-18-2018	May-31-2018	Jun-8-2018	Jun-19-2018
Time to Next Moisture, Unit:	3 DAY	1 DAY	2 DAY	2 DAY	5 DAY
Moisture 1 Week after Appl.:	0.71 IN	1.32 IN	0.60 IN	1.1 IN	1.44 IN

Crop Stage At Each Application

	A		B		C		D		E	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:	BBCH		BBCH		BBCH		BBCH		BBCH	
Stage Majority, Percent:	11	100	13	100	15	100	60	100	60	100
Height, Unit:	2	IN	5	IN	8	IN	15	IN	15	IN
Height Minimum, Maximum:	1.5	2.5	3	5	7	9	14	17	14	17

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Pest Stage At Each Application

	A		B		C		D		E	
Pest 1 Code, Type, Scale:	SENGL	W	SENGL	W	SENGL	W	SENGL	W	SENGL	W
Stage Majority, Percent:	65	100			65	100	65	5		
Diameter, Unit:	3	IN			2	IN	1	IN		
Height, Unit:	4	IN			11	IN	9	IN		
Height Minimum, Maximum:	2	6			7	14	8	12		
Density, Unit:	0.5 m2									
Pest 2 Code, Type, Scale:	RANAB	W	RANAB	W	RANAB	W	RANAB	W	RANAB	W
Stage Majority, Percent:	65	100	65	100						
Diameter, Unit:	1	IN								
Height, Unit:	3	IN	3	IN						
Height Minimum, Maximum:	1	4	2	6						
Density, Unit:	0.5 m2									
Pest 3 Code, Type, Scale:	CARPE	W	CARPE	W	CARPE	W	CARPE	W	CARPE	W
Stage Majority, Percent:	65	100								
Diameter, Unit:	3	IN								
Height, Unit:	4	IN								
Height Minimum, Maximum:	3	7								
Density, Unit:	0.5 m2									
Pest 4 Code, Type, Scale:	SETFA	W	SETFA	W	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent:			12	100			14	100	24	100
Height, Unit:			2	IN	7	IN	8	IN	19	IN
Height Minimum, Maximum:			0.5	2.5	3	8	7	15	18	20
Density, Unit:									25	m2
Pest 5 Code, Type, Scale:	VERPG	W	VERPG	W	VERPG	W	VERPG	W	VERPG	W
Stage Majority, Percent:			65	100						
Diameter, Unit:			4	IN						
Height, Unit:			1.5	IN						
Height Minimum, Maximum:			1	2						
Density, Unit:			10	m2						
Pest 6 Code, Type, Scale:	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent:					16		17	100		
Height, Unit:					4.5	IN	13	IN		
Height Minimum, Maximum:					3	5	7	19		
Coverage, Unit:									2	m2
Pest 7 Code, Type, Scale:	AMARE	W	AMARE	W	AMARE	W	AMARE	W	AMARE	W
Stage Majority, Percent:					14	100				
Height, Unit:					2	IN				
Height Minimum, Maximum:					1.5	2				
Density, Unit:					1	m2				
Pest 8 Code, Type, Scale:	ABUTH	W	ABUTH	W	ABUTH	W	ABUTH	W	ABUTH	W
Stage Majority, Percent:					13	100				
Height, Unit:					2.5	IN				
Height Minimum, Maximum:					2	3				
Pest 9 Code, Type, Scale:	SIDSP	W	SIDSP	W	SIDSP	W	SIDSP	W	SIDSP	W
Stage Majority, Percent:					13	100				
Height, Unit:					1	IN				
Height Minimum, Maximum:					1	2				
Pest10 Code, Type, Scale:	ECHCG	W	ECHCG	W	ECHCG	W	ECHCG	W	ECHCG	W
Stage Majority, Percent:							15	100	23	100
Height, Unit:							8	IN		
Height Minimum, Maximum:							7	15	18	20
Density, Unit:									40	m2

Application Equipment

	A		B		C		D		E	
Appl. Equipment:	6' BACKPACK		6' BACKPACK		6' BACKPACK		6' BACKPACK		6' BACKPACK	
Equipment Type:	BACCAI		BACCAI		BACCAI		BACCAI		BACCAI	
Operation Pressure, Unit:	44	PSI	44	PSI	44	PSI	48	PSI	44	PSI
Nozzle Type:	AIXR		AIXR		AIXR		AIXR		AIXR	
Nozzle Size:	11015		11015		11015		11015		11015	
Nozzle Spacing, Unit:	18	IN	18	IN	18	IN	18	IN	18	IN
Nozzles/Row:	4		4		4		4		4	
Boom Length, Unit:	6.67 FT		6.67 FT		6.67 FT		6.67 FT		6.67 FT	
Boom Height, Unit:	20 IN		20 IN		20 IN		20 IN		20 IN	
Ground Speed, Unit:	3 MPH		3 MPH		3 MPH		3 MPH		3 MPH	
Carrier:	WATER		WATER		WATER		WATER		WATER	
Spray Volume, Unit:	15	gal/ac	15	gal/ac	15	gal/ac	15	gal/ac	15	gal/ac
Mix Size, Unit:	1	L	1	L	1	L	1	L	1	L
Propellant:	COMCO2		COMCO2		COMCO2		COMCO2		COMCO2	

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Pest Type	O Other	W Weed	W Weed	W Weed	W Weed
Pest Code	VERAG	RANAB	SENGL	SETFA	POAAN
Pest Scientific Name	Veronica agres>	Ranunculus abo>	Packera glabel>	Setaria faberi	Poa annua
Pest Name	Field speedwell	Smallflower bu>	Cressleaf grou>	Giant foxtail	Annual bluegra>
Rating Date	May-17-2018	May-17-2018	May-17-2018	May-17-2018	May-17-2018
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	17 17	17 17	17 17	17 17	17 17
Plant-Eval Interval	17 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1
Days After Emergence	6 DE-1	6 DE-1	6 DE-1	6 DE-1	6 DE-1

Trt Treatment	Other Other	Appl	1*	2*	3*	4*	5*	6*
No. Name	Rate Rate	Unit Code						
1 UTC			0.0 -	0.0 b	0.0 b	0.0 c	0.0 d	0.0 b
2 Zidua Pro	6 oz/a	A	0.0 -	96.7 a	100.0 a	100.0 a	90.0 a	100.0 a
2 Roundup Power Max	32 oz/a	A						
2 MSO	0.6 qt/a	A						
2 N-pak ams	1.5 qt/a	A						
2 Liberty	32 oz/a	D						
2 Outlook	10 oz/a	D						
2 Preference	4.8 oz/a	D						
2 N-pak ams	1.5 qt/a	D						
3 Zidua Pro	6 oz/a	A	0.0 -	93.3 a	100.0 a	100.0 a	95.0 a	100.0 a
3 Roundup Power Max	32 oz/a	A						
3 MSO	0.6 qt/a	A						
3 N-pak ams	1.5 qt/a	A						
3 Liberty	32 oz/a	D						
3 Outlook	10 oz/a	D						
3 Preference	4.8 oz/a	D						
3 N-pak ams	1.5 qt/a	D						
4 Zidua Pro	6 oz/a	A	0.0 -	96.0 a	100.0 a	93.3 b	88.3 a	95.0 a
4 Roundup Power Max	32 oz/a	A						
4 Liberty	32 oz/a	A						
4 MSO	0.6 qt/a	A						
4 Preference	4.8 oz/a	A						
4 N-pak ams	1.5 qt/a	A						
4 Liberty	32 oz/a	D						
4 Preference	4.8 oz/a	D						
4 N-pak ams	1.5 qt/a	D						
5 Zidua Pro	6 oz/a	A	0.0 -	96.7 a	100.0 a	100.0 a	99.3 a	100.0 a
5 Roundup Power Max	32 oz/a	A						
5 Liberty	32 oz/a	A						
5 MSO	0.6 qt/a	A						
5 Preference	4.8 oz/a	A						
5 N-pak ams	1.5 qt/a	A						
5 Liberty	32 oz/a	D						
5 Outlook	10 oz/a	D						
5 Preference	4.8 oz/a	D						
5 N-pak ams	1.5 qt/a	D						
6 Verdict	5 oz/a	A	0.0 -	98.3 a	100.0 a	100.0 a	43.3 c	100.0 a
6 Sencor DF	5 oz/a	A						
6 Roundup Power Max	32 oz/a	A						
6 MSO	0.6 qt/a	A						
6 N-pak ams	1.5 qt/a	A						
6 Liberty	32 oz/a	D						
6 Outlook	10 oz/a	D						
6 Preference	4.8 oz/a	D						
6 N-pak ams	1.5 qt/a	D						

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Pest Name	Field speedwell	Smallflower bu>	Cressleaf grou>	Giant foxtail	Annual bluegra>
Rating Date	May-17-2018	May-17-2018	May-17-2018	May-17-2018	May-17-2018
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Days After First/Last Applic.	17 17	17 17	17 17	17 17	17 17
Plant-Eval Interval	17 DP-1	17 DP-1	17 DP-1	17 DP-1	17 DP-1
Days After Emergence	6 DE-1	6 DE-1	6 DE-1	6 DE-1	6 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	1*	2*	3*	4*	5*	6*
7	Verdict	5 oz/a		A	0.0 -	100.0 a	100.0 a	100.0 a	50.0 c	98.3 a
7	Sencor DF	5 oz/a		A						
7	Roundup Power Max	32 oz/a		A						
7	MSO	0.6 qt/a		A						
7	N-pak ams	1.5 qt/a		A						
7	Liberty	32 oz/a		C						
7	Zidua SC	2 oz/a		C						
7	Preference	4.8 oz/a		C						
7	N-pak ams	1.5 qt/a		C						
8	Verdict	5 oz/a		A	0.0 -	98.3 a	100.0 a	100.0 a	90.0 a	98.3 a
8	Zidua SC	2 oz/a		A						
8	Roundup Power Max	32 oz/a		A						
8	MSO	0.6 qt/a		A						
8	N-pak ams	1.5 qt/a		A						
8	Liberty	32 oz/a		C						
8	Outlook	10 oz/a		C						
8	Preference	4.8 oz/a		C						
8	N-pak ams	1.5 qt/a		C						
9	Verdict	5 oz/a		A	0.0 -	95.0 a	98.3 a	100.0 a	70.0 b	100.0 a
9	Roundup Power Max	32 oz/a		A						
9	MSO	0.6 qt/a		A						
9	N-pak ams	1.5 qt/a		A						
9	Liberty	32 oz/a		B						
9	Preference	4.8 oz/a		B						
9	N-pak ams	1.5 qt/a		B						
9	Liberty	32 oz/a		D						
9	Outlook	10 oz/a		D						
9	Preference	4.8 oz/a		D						
9	N-pak ams	1.5 qt/a		D						
10	Verdict	5 oz/a		A	0.0 -	96.7 a	98.3 a	100.0 a	43.3 c	100.0 a
10	Roundup Power Max	32 oz/a		A						
10	MSO	0.6 qt/a		A						
10	N-pak ams	1.5 qt/a		A						
10	Liberty	32 oz/a		B						
10	Preference	4.8 oz/a		B						
10	N-pak ams	1.5 qt/a		B						
10	Liberty	32 oz/a		E						
10	Preference	4.8 oz/a		E						
10	N-pak ams	1.5 qt/a		E						
LSD P=.05						5.02	2.28	3.13	14.22	5.14
Standard Deviation					0.00	2.93	1.33	1.83	8.29	3.00
CV					0.0	3.36	1.48	2.04	12.39	3.36
Levene's F					0.00	0.375	0.889	1.00	0.739	0.859
Levene's Prob(F)					.	0.934	0.552	0.471	0.67	0.575
Skewness					.	-2.7197*	-2.8003*	-2.7749*	-0.8303	-2.7635*
Kurtosis					.	5.9861*	6.2758*	6.1782*	-0.3078	6.131*
Replicate F					0.000	11.751	0.474	1.000	0.838	1.206
Replicate Prob(F)					1.0000	0.0005	0.6302	0.3874	0.4486	0.3224
Treatment F					0.000	328.766	1693.474	890.667	44.851	328.711
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001	0.0001	0.0001

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Pest Code		SETFA	ECHCG	AMBTR
Pest Scientific Name		Setaria faberi	Echinochloa cr>	Ambrosia trifi>
Pest Name		Giant foxtail	Common barnyar>	Giant ragweed
Rating Date	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	57 12	57 12	57 12	57 12
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1
Days After Emergence	46 DE-1	46 DE-1	46 DE-1	46 DE-1

Trt Treatment	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*
1 UTC				0.0 -	0.0 b	0.0 e	0.0 b
2 Zidua Pro	6 oz/a		A	0.0 -	99.7 a	71.7 abc	100.0 a
2 Roundup Power Max	32 oz/a		A				
2 MSO	0.6 qt/a		A				
2 N-pak ams	1.5 qt/a		A				
2 Liberty	32 oz/a		D				
2 Outlook	10 oz/a		D				
2 Preference	4.8 oz/a		D				
2 N-pak ams	1.5 qt/a		D				
3 Zidua Pro	6 oz/a		A	0.0 -	98.3 a	83.3 a	100.0 a
3 Roundup Power Max	32 oz/a		A				
3 MSO	0.6 qt/a		A				
3 N-pak ams	1.5 qt/a		A				
3 Liberty	32 oz/a		D				
3 Outlook	10 oz/a		D				
3 Preference	4.8 oz/a		D				
3 N-pak ams	1.5 qt/a		D				
4 Zidua Pro	6 oz/a		A	0.0 -	96.7 a	53.3 c	100.0 a
4 Roundup Power Max	32 oz/a		A				
4 Liberty	32 oz/a		A				
4 MSO	0.6 qt/a		A				
4 Preference	4.8 oz/a		A				
4 N-pak ams	1.5 qt/a		A				
4 Liberty	32 oz/a		D				
4 Preference	4.8 oz/a		D				
4 N-pak ams	1.5 qt/a		D				
5 Zidua Pro	6 oz/a		A	0.0 -	100.0 a	60.0 abc	98.3 a
5 Roundup Power Max	32 oz/a		A				
5 Liberty	32 oz/a		A				
5 MSO	0.6 qt/a		A				
5 Preference	4.8 oz/a		A				
5 N-pak ams	1.5 qt/a		A				
5 Liberty	32 oz/a		D				
5 Outlook	10 oz/a		D				
5 Preference	4.8 oz/a		D				
5 N-pak ams	1.5 qt/a		D				
6 Verdict	5 oz/a		A	0.0 -	96.7 a	20.0 d	100.0 a
6 Sencor DF	5 oz/a		A				
6 Roundup Power Max	32 oz/a		A				
6 MSO	0.6 qt/a		A				
6 N-pak ams	1.5 qt/a		A				
6 Liberty	32 oz/a		D				
6 Outlook	10 oz/a		D				
6 Preference	4.8 oz/a		D				
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Pest Name		Giant foxtail	Common barnyar>	Giant ragweed
Rating Date	Jun-26-2018	Jun-26-2018	Jun-26-2018	Jun-26-2018
Rating Type	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%
Number of Subsamples	1	1	1	1
Days After First/Last Applic.	57 12	57 12	57 12	57 12
Plant-Eval Interval	57 DP-1	57 DP-1	57 DP-1	57 DP-1
Days After Emergence	46 DE-1	46 DE-1	46 DE-1	46 DE-1

Trt No.	Treatment Name	Other Rate	Other Rate	Appl Unit Code	7*	8*	9*	10*
7	Verdict	5 oz/a		A	0.0 -	96.7 a	23.3 d	90.0 a
7	Sencor DF	5 oz/a		A				
7	Roundup Power Max	32 oz/a		A				
7	MSO	0.6 qt/a		A				
7	N-pak ams	1.5 qt/a		A				
7	Liberty	32 oz/a		C				
7	Zidua SC	2 oz/a		C				
7	Preference	4.8 oz/a		C				
7	N-pak ams	1.5 qt/a		C				
8	Verdict	5 oz/a		A	0.0 -	96.0 a	56.7 bc	93.3 a
8	Zidua SC	2 oz/a		A				
8	Roundup Power Max	32 oz/a		A				
8	MSO	0.6 qt/a		A				
8	N-pak ams	1.5 qt/a		A				
8	Liberty	32 oz/a		C				
8	Outlook	10 oz/a		C				
8	Preference	4.8 oz/a		C				
8	N-pak ams	1.5 qt/a		C				
9	Verdict	5 oz/a		A	0.0 -	96.0 a	53.3 c	100.0 a
9	Roundup Power Max	32 oz/a		A				
9	MSO	0.6 qt/a		A				
9	N-pak ams	1.5 qt/a		A				
9	Liberty	32 oz/a		B				
9	Preference	4.8 oz/a		B				
9	N-pak ams	1.5 qt/a		B				
9	Liberty	32 oz/a		D				
9	Outlook	10 oz/a		D				
9	Preference	4.8 oz/a		D				
9	N-pak ams	1.5 qt/a		D				
10	Verdict	5 oz/a		A	0.0 -	100.0 a	80.0 ab	100.0 a
10	Roundup Power Max	32 oz/a		A				
10	MSO	0.6 qt/a		A				
10	N-pak ams	1.5 qt/a		A				
10	Liberty	32 oz/a		B				
10	Preference	4.8 oz/a		B				
10	N-pak ams	1.5 qt/a		B				
10	Liberty	32 oz/a		E				
10	Preference	4.8 oz/a		E				
10	N-pak ams	1.5 qt/a		E				
LSD P=.05					.	6.48	17.50	11.59
Standard Deviation					0.00	3.78	10.20	6.76
CV					0.0	4.29	20.34	7.66
Levene's F					0.00	0.549	1.209	0.857
Levene's Prob(F)					.	0.822	0.343	0.576
Skewness					.	-2.7319*	-0.3992	-2.6123*
Kurtosis					.	6.024*	-0.9731	5.481*
Replicate F					0.000	2.527	1.569	0.675
Replicate Prob(F)					1.0000	0.1078	0.2354	0.5214
Treatment F					0.000	201.333	21.645	63.872
Treatment Prob(F)					1.0000	0.0001	0.0001	0.0001

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls)
 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 1,7 because error mean square = 0.

The Ohio State University

Compare efficacy of Liberty (PRE and POST) with BASF residuals (PRE and POST) in no-till soybeans

Trial ID: 18 LLNT Location: G-8 East End Trial Year: 2018
Protocol ID: 18 LLNT Investigator: Dr. Mark M. Loux
Project ID: MKD H 2018 US D41 A 01 Study Director: Bryan Reeb
Sponsor Contact: Alice Harris, BASF

Pest Type

O, Other, G-BYRO7, G-OthStg = Other animal or nematode

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

Pest Code

VERAG, Veronica agrestis, Field speedwell = US

RANAB, Ranunculus abortivus, Smallflower buttercup = US

SENGL, Packera glabella, Cressleaf groundsel = US

SETFA, Setaria faberi, Giant foxtail = US

POAAN, Poa annua, Annual bluegrass = US

ECHCG, Echinochloa crus-galli, Common barnyard grass = US

AMBTR, Ambrosia trifida, Giant ragweed = US

Rating Type

PHYGEN = phytotoxicity - general / injury

CONTRO = control / burndown or knockdown

Rating Unit

% = percent

Plant-Eval Interval

17 DP-1 = 1 GLXMA Apr-30-2018

57 DP-1 = 1 GLXMA Apr-30-2018