

XtendFlex soybean herbicide recommendations

Trial ID: 19 XTENDFLEX Location: Trial Year: 2019
Protocol ID: 19 XTENDFLEX Investigator: Dr. Mark M. Loux
Project ID: 2019-01-N8-02 Study Director: Bryan Reeb
Sponsor Contact: Rod Stevenson, Monsanto

General Trial Information

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

Trial Status: E established
ARM Trial Created On: Apr-25-2019

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 °: 39.85942 N
Longitude of LL Corner °: 83.67462 W
Altitude of LL Corner: 1110.00 FT

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Study Director: Bryan Reeb

Investigator: Dr. Mark M. Loux

Crop Description

Crop 1: C GLXMA Glycine max Soybean BBCH Scale: BSOY
Entry Date: May-21-2019
Variety: 36XF0
Attributes: Xtend Flex
Planting Date: May-16-2019 Planting Rate: 165000 S/A
Depth: 1.5 IN
Rows per Plot: 8 Planting Method: SEEDED seeded
Row Spacing: 15 IN Planting Equipment: PP plot planter
Seed Bed: CLOTRA cloddy/trashy
Soil Temperature: 65 F Soil Moisture: GOOD good
Emergence Date: May-29-2019

Pest Description

Pest 1 Type: W Code: SETFA Setaria faberi
Common Name: Giant foxtail Entry Date: Jun-21-2019
Pest 2 Type: W Code: ECHCG Echinochloa crus-galli
Common Name: Common barnyard grass Entry Date: Jun-21-2019
Pest 3 Type: W Code: AMBTR Ambrosia trifida
Common Name: Giant ragweed Entry Date: Jun-21-2019
Pest 4 Type: W Code: CHEAL Chenopodium album
Common Name: common lambsquarters Entry Date: Jun-21-2019
Pest 5 Type: W Code: AMARE Amaranthus retroflexus
Common Name: Redroot pigweed Entry Date: Jun-21-2019

Site and Design

Treated Plot Width: 10 FT Site Type: FIELD field
Treated Plot Length: 30 FT Experimental Unit: 1 PLOT plot
Treated Plot Area: 300 FT2 Treatments: 12 Tillage Type: CONTIL conventional-till
Replications: 4 Study Design: RACOB L Randomized Complete Block (RCB)

Previous

No. Crop Year
1. CORN 2018

Soil Description

Description Name: G-6
% Sand: 32 % OM: 2.2 Texture: SICL silty clay loam
% Silt: 53 pH: 5.9 Soil Name: Kokomo
% Clay: 15 CEC: 14.8 Fert. Level: G good
Soil Drainage: G good

Application Description

	A	B	C
Application Date	May-16-2019	Jun-21-2019	Jul-11-2019
Appl. Start Time	9:00 PM	9:30 AM	8:30 AM
Appl. Stop Time	10:00 PM	10:30 AM	8:50 AM
Interval to Prev. Appl.		36 DAYS	20 DAYS
Application Method	BROADC	Spray	spray
Application Timing	PRE	POST	LPO
Application Placement	BROSOI	BROFOL	BROFOL
Applied By	LAMB	ACKLEY	DOBBELS
Appl. Entry Date	May-17-2019	Jun-21-2019	Jul-11-2019
Air Temperature Start, Stop	74 74 F	65 68 F	73 73 F
% Relative Humidity Start, Stop	43 43	73 63	88 88
Wind Velocity+Dir. Start	11 MPH SW	8 MPH NNW	4 MPH WNW
Wind Velocity+Dir. Stop	11 MPH SW	6 MPH NNW	4 MPH WNW
Wind Velocity+Dir. Max	11 MPH S	8 MPH NNW	4 MPH WNW
Wet Leaves (Y/N)	N no	N no	N no
Soil Temperature	63 F	63 F	70 F
Soil Moisture	DRY	DAMP	DRY
Soil Surface Condition	CLODDY	CLOTRA	TRASHY
% Cloud Cover	90	0	90
Next Moisture Occurred On	May-17-2019	Jun-21-2019	Jul-11-2019
Time to Next Moisture	3 HR	2 HR	6 HR
Moisture 6 Hours after Appl.	1.32 IN	0.01 IN	0.10 IN
Moisture 1 Week after Appl.	2.54 IN	1.21 IN	0.43 IN

Crop Stage At Each Application

	A		B		C	
Crop 1 Code, BBCH Scale	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Days after Emergence	-13		23		43	
Stage Majority, Percent			V4	100	R1	100
Height Average			7 IN		16 IN	
Height Minimum, Maximum			7 8		14 16	

Pest Stage At Each Application

	A		B		C	
Pest 1 Code, Type, Scale	SETFA	W	SETFA	W	SETFA	W
Stage Majority, Percent			13	80	13	100
Stage Minimum, Percent			13	80		
Stage Maximum, Percent			15	20		
Height Average			10	IN	3	IN
Height Minimum, Maximum			4	12	2	4
Density Average			535	PLA/m2	535	PLA/m2
Density Min, Max			460	600	460	600
Pest 2 Code, Type, Scale	ECHCG	W	ECHCG	W	ECHCG	W
Stage Majority, Percent			13	80	13	100
Stage Minimum, Percent			13	80		
Stage Maximum, Percent			15	20		
Height Average			8	IN	3	IN
Height Minimum, Maximum			6	10	2	4
Density Average			333	PLA/m2	333	PLA/m2
Density Min, Max			300	400	300	400
Pest 3 Code, Type, Scale	AMBTR	W	AMBTR	W	AMBTR	W
Stage Majority, Percent			19	100	16	80
Stage Minimum, Percent					16	80
Stage Maximum, Percent					18	20
Height Average			16	in	4	IN
Height Minimum, Maximum			12	18	2	6
Density Average			26	PLA/m2	26	PLA/m2
Density Min, Max			16	40	16	40
Pest 4 Code, Type, Scale	CHEAL	W	CHEAL	W	CHEAL	W
Stage Majority, Percent			14	60	14	60
Stage Minimum, Percent			14	60	12	10
Stage Maximum, Percent			18	20	18	20
Height Average			2	in	1	IN
Height Minimum, Maximum			2	3	0.5	2
Density Average			46	PLA/m2	46	PLA/m2
Density Min, Max			20	80	20	80
Pest 5 Code, Type, Scale	AMARE	W	AMARE	W	AMARE	W
Stage Majority, Percent			16	80	14	90
Stage Minimum, Percent			16	80	14	90
Stage Maximum, Percent			18	20	16	10
Height Average			2	in	2	IN
Height Minimum, Maximum			2	3	1	3
Density Average			33	PLA/m2	33	PLA/m2
Density Min, Max			28	40	28	40

Application Equipment

	A	B	C
Appl. Equipment	10' BACKPACK	10' TTI	10' AI XR
Equipment Type	BACCAI	SPRBAC	SPRBAC
Operation Pressure	44 PSI	40 PSI	42 PSI
Nozzle Type	AIXR	TTI	AI XR
Nozzle Size	11015	110015	110015
Nozzle Spacing	18 IN	18 IN	18 IN
Nozzles/Row	6		
Boom Length	10 FT	10 FT	10 FT
Boom Height	20 IN	20 IN	20 IN
Ground Speed	3 MPH	3 MPH	3 MPH
Carrier	WATER	WATER	WATER
Application Amount	15 gal/ac	15 GPA	15 GPA
Mix Size	2 liters	3 GAL	2 Liters
Propellant	COMCO2	CO2	COMCO2

Date	By	Context	Notes
Apr-25-2019	Dr. Mark M. Loux	STATUS	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
May-23-2019	Dr. Mark M. Loux	STATUS	Automatically added by ARM: Trial Status updated to 'E' when Planting Date entered.

SE Definitions

Crop Type, Code C	1.				
Pest Type			W Weed	W Weed	W Weed
Pest Code			SETFA	AMBTR	CHEAL
Pest Scientific Name			Setaria faberi	Ambrosia trifi>	Chenopodium al>
Pest Name			Giant foxtail	Giant ragweed	common lambsqu>
Crop Type, Code	C GLXMA	C GLXMA	C -	C -	C -
Crop Name	Soybean	Soybean			
Rating Date	Jun-5-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019
Rating Type	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-6-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing		AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	20 20	34 34	34 34	34 34	34 34
Trt-Eval Interval	20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Plant-Eval Interval	20 DP-1	34 DP-1	34 DP-1	34 DP-1	34 DP-1
Days After Emergence	7 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
Number of Decimals		0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Unit	Appl Code	1*	2*	3*	4*	5*
1	UTC						0 -	0 -	0 b	0 b	0 c
2	Xtendimax	0.5 lb ae/a		22 oz/a		A	0 -	0 -	25 a	7 ab	92 a
	Warrant	1.13 lb ai/a		48 oz/a		A					
	Mauler	0.25 lb ai/a		8 oz/a		A					
	Xtendimax	0.5 lb ae/a		22 oz/a		B					
	Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
	Warrant	1.13 lb ai/a		48 oz/a		B					
	Intact	0.5 % v/v		9.6 oz/a		B					
	Class Act Ridion	1 % v/v		19.2 oz/a		B					
3	Xtendimax	0.5 lb ae/a		22 oz/a		A	0 -	0 -	65 a	8 ab	78
	Warrant	1.13 lb ai/a		48 oz/a		A					
	Mauler	0.25 lb ai/a		8 oz/a		A					
	Xtendimax	0.5 lb ae/a		22 oz/a		B					
	Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
	Warrant	1.13 lb ai/a		48 oz/a		B					
	Intact	0.5 % v/v		9.6 oz/a		B					
	Class Act Ridion	1 % v/v		19.2 oz/a		B					
	Liberty	0.585 lb ai/a		32 oz/a		C					
	N-pak ams	3 % v/v		1.8 qt/a		C					
4	Xtendimax	0.5 lb ae/a		22 oz/a		A	0 -	0 -	16 a	2 b	87 a
	Warrant	1.13 lb ai/a		48 oz/a		A					
	Mauler	0.25 lb ai/a		8 oz/a		A					
	Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
	Liberty	0.585 lb ai/a		32 oz/a		B					
	Warrant	1.13 lb ai/a		48 oz/a		B					
	N-pak ams	3 % v/v		1.8 qt/a		B					

Pest Type	C GLXMA		C -	C -	C -
Pest Code	Soybean	Soybean			
Pest Scientific Name	Jun-5-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019
Pest Name	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO
	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-6-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019
Rating Timing		AT POST	AT POST	AT POST	AT POST
Days After First/Last Applic.	20 20	34 34	34 34	34 34	34 34
Trt-Eval Interval	20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Plant-Eval Interval	20 DP-1	34 DP-1	34 DP-1	34 DP-1	34 DP-1
Days After Emergence	7 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	1*	2*	3*	4*	5*
5	Xtendimax	0.5 lb	ae/a	22 oz/a		A	0 -	0 -	52 a	7 ab	74 b
5	Warrant	1.13 lb	ai/a	48 oz/a		A					
5	Mauler	0.25 lb	ai/a	8 oz/a		A					
5	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B					
5	Warrant	1.13 lb	ai/a	48 oz/a		B					
5	N-pak ams	3 %	v/v	1.8 qt/a		B					
5	Liberty	0.585 lb	ai/a	32 oz/a		C					
5	N-pak ams	3 %	v/v	1.8 qt/a		C					
6	Xtendimax	0.5 lb	ae/a	22 oz/a		A	0 -	0 -	50 a	38 a	93 a
6	Warrant Ultra	1.36 lb	ai/a	50 oz/a		A					
6	Xtendimax	0.5 lb	ae/a	22 oz/a		B					
6	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B					
6	Warrant	1.13 lb	ai/a	48 oz/a		B					
6	Intact	0.5 %	v/v	9.6 oz/a		B					
6	Class Act Ridion	1 %	v/v	19.2 oz/a		B					
7	Xtendimax	0.5 lb	ae/a	22 oz/a		A	0 -	0 -	16 a	35 a	100 a
7	Warrant Ultra	1.36 lb	ai/a	50 oz/a		A					
7	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B					
7	Liberty	0.585 lb	ai/a	32 oz/a		B					
7	Warrant	1.13 lb	ai/a	48 oz/a		B					
7	N-pak ams	3 %	v/v	1.8 qt/a		B					
8	Xtendimax	0.5 lb	ae/a	22 oz/a		A	0 -	0 -	17 a	3 b	94 a
8	Valor SX	0.064 lb	ai/a	2 oz/a		A					
8	Xtendimax	0.5 lb	ae/a	22 oz/a		B					
8	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B					
8	Warrant	1.13 lb	ai/a	48 oz/a		B					
8	Intact	0.5 %	v/v	9.6 oz/a		B					
8	Class Act Ridion	1 %	v/v	19.2 oz/a		B					
9	Xtendimax	0.5 lb	ae/a	22 oz/a		A	0 -	0 -	26 a	7 ab	100 a
9	Valor SX	0.064 lb	ai/a	2 oz/a		A					
9	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B					
9	Liberty	0.585 lb	ai/a	32 oz/a		B					
9	Warrant	1.13 lb	ai/a	48 oz/a		B					
9	N-pak ams	3 %	v/v	1.8 qt/a		B					
10	Roundup Power Max	1.13 lb	ae/a	32 oz/a		B	0 -	0 -	0 b	0 b	0 c
10	Liberty	0.585 lb	ai/a	32 oz/a		B					
10	Warrant	1.13 lb	ai/a	48 oz/a		B					
10	N-pak ams	3 %	v/v	1.8 qt/a		B					
11	Liberty	0.585 lb	ai/a	32 oz/a		B	0 -	0 -	0 b	0 b	0 c
11	Warrant	1.13 lb	ai/a	48 oz/a		B					
11	N-pak ams	3 %	v/v	1.8 qt/a		B					

Pest Type	C GLXMA		C GLXMA		C -	C -	C -			
Pest Code	Soybean		Soybean							
Pest Scientific Name	Jun-5-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019	Jun-19-2019			
Pest Name	PHYGEN	PHYGEN	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO			
	%	%	%	%	%	%	%			
Crop Type, Code	1	1	1	1	1	1	1			
Crop Name	Jun-6-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019	Jun-20-2019			
Rating Date	AT POST		AT POST	AT POST	AT POST	AT POST	AT POST			
Rating Type	20 20	34 34	34 34	34 34	34 34	34 34	34 34			
Rating Unit	20 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A			
Number of Subsamples	20 DP-1	34 DP-1	34 DP-1	34 DP-1	34 DP-1	34 DP-1	34 DP-1			
Data Entry Date	7 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1	21 DE-1			
Rating Timing	0	0	0	0	0	0	0			
Days After First/Last Applic.	Rate		Other	Other	Appl					
Trt-Eval Interval	No. Name	Rate Unit	Rate Rate	Rate Unit	Code	1*	2*	3*	4*	5*
Plant-Eval Interval	12 Xtendimax	0.5 lb ae/a	22 oz/a		A	0 -	0 -	0 b	0 b	0 c
Days After Emergence	12 Warrant	1.13 lb ai/a	48 oz/a		A					
Number of Decimals	12 Roundup Power Max	1.13 lb ae/a	32 oz/a		C					
	12 Liberty	0.585 lb ai/a	32 oz/a		C					
	12 N-pak ams	3 % v/v	1.8 qt/a		C					
	LSD P=.05	.	.		.	42.3 - 47.2	16.3 - 25.1	11.9		
	Standard Deviation	0.0	0.0		0.0	0.4t	11.9t	8.3		
	CV	0.0	0.0		0.0	38.68t	93.13t	14.25		
	Levene's F	0.00	0.00		0.00	1.597	1.705	1.568		
	Levene's Prob(F)	.	.		.	0.142	0.112	0.16		
	Skewness	.	.		.	-0.3221	1.1322*	-0.4494		
	Kurtosis	.	.		.	-1.8306*	0.6544	-1.7297*		
	Replicate F	0.000	0.000		0.000	4.697	6.912	0.903		
	Replicate Prob(F)	1.0000	1.0000		1.0000	0.0077	0.0010	0.4511		
	Treatment F	0.000	0.000		0.000	15.599	4.825	126.596		
	Treatment Prob(F)	1.0000	1.0000		1.0000	0.0001	0.0002	0.0001		

Pest Type	W Weed	W Weed	W Weed	W Weed				
Pest Code	AMARE	SETFA	ECHCG	ECHCG				
Pest Scientific Name	Amaranthus ret>	Setaria faberi	Echinochloa cr>	Echinochloa cr>				
Pest Name	Redroot pigweed	Giant foxtail	Common barnyar>	Common barnyar>				
Crop Type, Code	C - C	GLXMA C	GLXMA	C -				
Crop Name	Soybean	Soybean	Soybean	Soybean				
Rating Date	Jun-19-2019	Jun-27-2019	Jul-2-2019	Jul-2-2019				
Rating Type	CONTRO	PHYNEC	PHYNEC	CONTRO				
Rating Unit	%	%	%	%				
Number of Subsamples	1	1	1	1				
Data Entry Date	Jun-20-2019	Jun-27-2019	Jul-2-2019	Jul-2-2019				
Rating Timing	AT POST	AT POST	AT POST	AT POST				
Days After First/Last Applic.	34 34	42 6	47 11	47 11				
Trt-Eval Interval	34 DA-A	6 DA-B	11 DA-B	11 DA-B				
Plant-Eval Interval	34 DP-1	42 DP-1	47 DP-1	47 DP-1				
Days After Emergence	21 DE-1	29 DE-1	34 DE-1	34 DE-1				
Number of Decimals	0	0	0	0				
Trt Treatment	Rate	Other	Other	Appl				
No. Name	Rate	Rate	Rate	Unit Code				
		6*	7*	8*				
		9*	10*					
1 UTC		0 c	0 e	0 c	0 b	0 d		
2 Xtendimax	0.5 lb ae/a	22 oz/a	A	100 a	3 b-e	2 abc	98 a	97 abc
2 Warrant	1.13 lb ai/a	48 oz/a	A					
2 Mauler	0.25 lb ai/a	8 oz/a	A					
2 Xtendimax	0.5 lb ae/a	22 oz/a	B					
2 Roundup Power Max	1.13 lb ae/a	32 oz/a	B					
2 Warrant	1.13 lb ai/a	48 oz/a	B					
2 Intact	0.5 % v/v	9.6 oz/a	B					
2 Class Act Ridion	1 % v/v	19.2 oz/a	B					
3 Xtendimax	0.5 lb ae/a	22 oz/a	A	100 a	1 de	1 bc	99 a	99 ab
3 Warrant	1.13 lb ai/a	48 oz/a	A					
3 Mauler	0.25 lb ai/a	8 oz/a	A					
3 Xtendimax	0.5 lb ae/a	22 oz/a	B					
3 Roundup Power Max	1.13 lb ae/a	32 oz/a	B					
3 Warrant	1.13 lb ai/a	48 oz/a	B					
3 Intact	0.5 % v/v	9.6 oz/a	B					
3 Class Act Ridion	1 % v/v	19.2 oz/a	B					
3 Liberty	0.585 lb ai/a	32 oz/a	C					
3 N-pak ams	3 % v/v	1.8 qt/a	C					
4 Xtendimax	0.5 lb ae/a	22 oz/a	A	100 a	5 abc	2 abc	92 a	84 c
4 Warrant	1.13 lb ai/a	48 oz/a	A					
4 Mauler	0.25 lb ai/a	8 oz/a	A					
4 Roundup Power Max	1.13 lb ae/a	32 oz/a	B					
4 Liberty	0.585 lb ai/a	32 oz/a	B					
4 Warrant	1.13 lb ai/a	48 oz/a	B					
4 N-pak ams	3 % v/v	1.8 qt/a	B					

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMARE	SETFA	ECHCG
Pest Scientific Name	Amaranthus ret>	Setaria faberi	Echinochloa cr>
Pest Name	Redroot pigweed	Giant foxtail	Common barnyar>
Crop Type, Code	C - C	GLXMA C	GLXMA C -
Crop Name	Soybean	Soybean	
Rating Date	Jun-19-2019	Jun-27-2019	Jul-2-2019
Rating Type	CONTRO	PHYNEC	PHYNEC
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Data Entry Date	Jun-20-2019	Jun-27-2019	Jul-2-2019
Rating Timing	AT POST		
Days After First/Last Applic.	34 34	42 6	47 11
Trt-Eval Interval	34 DA-A	6 DA-B	11 DA-B
Plant-Eval Interval	34 DP-1	42 DP-1	47 DP-1
Days After Emergence	21 DE-1	29 DE-1	34 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	6*	7*	8*	9*	10*
5	Xtendimax	0.5	lb ae/a	22	oz/a	A	100 a	2 cde	1 abc	100 a	99 ab
5	Warrant	1.13	lb ai/a	48	oz/a	A					
5	Mauler	0.25	lb ai/a	8	oz/a	A					
5	Roundup Power Max	1.13	lb ae/a	32	oz/a	B					
5	Warrant	1.13	lb ai/a	48	oz/a	B					
5	N-pak ams	3	% v/v	1.8	qt/a	B					
5	Liberty	0.585	lb ai/a	32	oz/a	C					
5	N-pak ams	3	% v/v	1.8	qt/a	C					
6	Xtendimax	0.5	lb ae/a	22	oz/a	A	100 a	2 cde	1 abc	100 a	100 a
6	Warrant Ultra	1.36	lb ai/a	50	oz/a	A					
6	Xtendimax	0.5	lb ae/a	22	oz/a	B					
6	Roundup Power Max	1.13	lb ae/a	32	oz/a	B					
6	Warrant	1.13	lb ai/a	48	oz/a	B					
6	Intact	0.5	% v/v	9.6	oz/a	B					
6	Class Act Ridion	1	% v/v	19.2	oz/a	B					
7	Xtendimax	0.5	lb ae/a	22	oz/a	A	100 a	7 a	4 ab	99 a	99 ab
7	Warrant Ultra	1.36	lb ai/a	50	oz/a	A					
7	Roundup Power Max	1.13	lb ae/a	32	oz/a	B					
7	Liberty	0.585	lb ai/a	32	oz/a	B					
7	Warrant	1.13	lb ai/a	48	oz/a	B					
7	N-pak ams	3	% v/v	1.8	qt/a	B					
8	Xtendimax	0.5	lb ae/a	22	oz/a	A	100 a	4 bcd	2 abc	99 a	97 abc
8	Valor SX	0.064	lb ai/a	2	oz/a	A					
8	Xtendimax	0.5	lb ae/a	22	oz/a	B					
8	Roundup Power Max	1.13	lb ae/a	32	oz/a	B					
8	Warrant	1.13	lb ai/a	48	oz/a	B					
8	Intact	0.5	% v/v	9.6	oz/a	B					
8	Class Act Ridion	1	% v/v	19.2	oz/a	B					
9	Xtendimax	0.5	lb ae/a	22	oz/a	A	100 a	5 abc	3 abc	92 a	93 abc
9	Valor SX	0.064	lb ai/a	2	oz/a	A					
9	Roundup Power Max	1.13	lb ae/a	32	oz/a	B					
9	Liberty	0.585	lb ai/a	32	oz/a	B					
9	Warrant	1.13	lb ai/a	48	oz/a	B					
9	N-pak ams	3	% v/v	1.8	qt/a	B					
10	Roundup Power Max	1.13	lb ae/a	32	oz/a	B	0 c	5 ab	4 a	92 a	88 bc
10	Liberty	0.585	lb ai/a	32	oz/a	B					
10	Warrant	1.13	lb ai/a	48	oz/a	B					
10	N-pak ams	3	% v/v	1.8	qt/a	B					
11	Liberty	0.585	lb ai/a	32	oz/a	B	0 c	5 ab	3 abc	93 a	92 abc
11	Warrant	1.13	lb ai/a	48	oz/a	B					
11	N-pak ams	3	% v/v	1.8	qt/a	B					

Pest Type	W Weed			W Weed		W Weed			
Pest Code	AMARE			SETFA		ECHCG			
Pest Scientific Name	Amaranthus ret>			Setaria faberi		Echinochloa cr>			
Pest Name	Redroot pigweed			Giant foxtail		Common barnyar>			
Crop Type, Code	C - C		GLXMA C	GLXMA	C -				
Crop Name	Soybean		Soybean	Soybean	C -				
Rating Date	Jun-19-2019	Jun-27-2019	Jul-2-2019	Jul-2-2019	Jul-2-2019	Jul-2-2019			
Rating Type	CONTRO	PHYNEC	PHYNEC	PHYNEC	CONTRO	CONTRO			
Rating Unit	%	%	%	%	%	%			
Number of Subsamples	1	1	1	1	1	1			
Data Entry Date	Jun-20-2019	Jun-27-2019	Jul-2-2019	Jul-2-2019	Jul-2-2019	Jul-2-2019			
Rating Timing	AT POST								
Days After First/Last Applic.	34 34	42 6	47 11	47 11	47 11	47 11			
Trt-Eval Interval	34 DA-A	6 DA-B	11 DA-B	11 DA-B	11 DA-B	11 DA-B			
Plant-Eval Interval	34 DP-1	42 DP-1	47 DP-1	47 DP-1	47 DP-1	47 DP-1			
Days After Emergence	21 DE-1	29 DE-1	34 DE-1	34 DE-1	34 DE-1	34 DE-1			
Number of Decimals	0	0	0	0	0	0			
Trt Treatment	Rate	Other	Other	Appl	6*	7*	8*	9*	10*
No. Name	Rate	Unit	Rate	Rate Unit Code					
12 Xtendimax	0.5 lb ae/a		22 oz/a	A	41 b	0 e	0 c	0 b	0 d
12 Warrant	1.13 lb ai/a		48 oz/a	A					
12 Roundup Power Max	1.13 lb ae/a		32 oz/a	C					
12 Liberty	0.585 lb ai/a		32 oz/a	C					
12 N-pak ams	3 % v/v		1.8 qt/a	C					
LSD P=.05					20.2	2.1	2.2	8.4 - 8.5	3.3 - 11.0
Standard Deviation					14.1	1.4	1.5	0.0t	7.3t
CV					20.06	47.41	81.78	1.59t	11.12t
Levene's F					43.56	3.997	0.933	2.006	1.627
Levene's Prob(F)					0.001*	0.001*	0.521	0.057	0.133
Skewness					-0.9214*	0.4922	0.6569	-1.8416*	-1.4557*
Kurtosis					-1.1779	-0.159	-0.5468	1.4603*	0.68
Replicate F					1.000	1.310	1.335	1.812	5.714
Replicate Prob(F)					0.4051	0.2875	0.2797	0.1642	0.0029
Treatment F					41.792	9.717	3.644	3467.073	74.124
Treatment Prob(F)					0.0001	0.0001	0.0019	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed					
Pest Code	AMBTR	CHEAL	AMARE	SETFA	ECHCG					
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Setaria faberi	Echinochloa cr>					
Pest Name	Giant ragweed	common lambsqu>	Redroot pigweed	Giant foxtail	Common barnyar>					
Crop Type, Code	C -	C -	C -	C -	C -					
Crop Name										
Rating Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019					
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO					
Rating Unit	%	%	%	%	%					
Number of Subsamples	1	1	1	1	1					
Data Entry Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019					
Rating Timing				CANOPY	CANOPY					
Days After First/Last Applic.	47 11	47 11	47 11	77 21	77 21					
Trt-Eval Interval	11 DA-B	11 DA-B	11 DA-B	21 DA-C	21 DA-C					
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	77 DP-1	77 DP-1					
Days After Emergence	34 DE-1	34 DE-1	34 DE-1	64 DE-1	64 DE-1					
Number of Decimals	0	0	0	0	0					
Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	11*	12*	13*	14*	15*
1 UTC						0 d	0 c	0 c	0 b	0 d
2 Xtendimax	0.5 lb ae/a		22 oz/a		A	99 ab	99 a	100 a	95 a	99 a
2 Warrant	1.13 lb ai/a		48 oz/a		A					
2 Mauler	0.25 lb ai/a		8 oz/a		A					
2 Xtendimax	0.5 lb ae/a		22 oz/a		B					
2 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
2 Warrant	1.13 lb ai/a		48 oz/a		B					
2 Intact	0.5 % v/v		9.6 oz/a		B					
2 Class Act Ridion	1 % v/v		19.2 oz/a		B					
3 Xtendimax	0.5 lb ae/a		22 oz/a		A	100 a	100 a	100 a	100 a	100 a
3 Warrant	1.13 lb ai/a		48 oz/a		A					
3 Mauler	0.25 lb ai/a		8 oz/a		A					
3 Xtendimax	0.5 lb ae/a		22 oz/a		B					
3 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
3 Warrant	1.13 lb ai/a		48 oz/a		B					
3 Intact	0.5 % v/v		9.6 oz/a		B					
3 Class Act Ridion	1 % v/v		19.2 oz/a		B					
3 Liberty	0.585 lb ai/a		32 oz/a		C					
3 N-pak ams	3 % v/v		1.8 qt/a		C					
4 Xtendimax	0.5 lb ae/a		22 oz/a		A	99 ab	98 a	100 a	92 a	96 ab
4 Warrant	1.13 lb ai/a		48 oz/a		A					
4 Mauler	0.25 lb ai/a		8 oz/a		A					
4 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
4 Liberty	0.585 lb ai/a		32 oz/a		B					
4 Warrant	1.13 lb ai/a		48 oz/a		B					
4 N-pak ams	3 % v/v		1.8 qt/a		B					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMARE	SETFA	ECHCG
Pest Scientific Name	Ambrosia trifi>	Chenopodium al>	Amaranthus ret>	Setaria faberi	Echinochloa cr>
Pest Name	Giant ragweed	common lambsqu>	Redroot pigweed	Giant foxtail	Common barnyar>
Crop Type, Code	C -	C -	C -	C -	C -
Crop Name					
Rating Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019
Rating Timing				CANOPY	CANOPY
Days After First/Last Applic.	47 11	47 11	47 11	77 21	77 21
Trt-Eval Interval	11 DA-B	11 DA-B	11 DA-B	21 DA-C	21 DA-C
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	77 DP-1	77 DP-1
Days After Emergence	34 DE-1	34 DE-1	34 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Rate Unit	Other Rate	Other Rate Unit	Appl Code	11*	12*	13*	14*	15*
5 Xtendimax	0.5 lb ae/a		22 oz/a		A	83 c	100 a	100 a	100 a	100 a
5 Warrant	1.13 lb ai/a		48 oz/a		A					
5 Mauler	0.25 lb ai/a		8 oz/a		A					
5 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
5 Warrant	1.13 lb ai/a		48 oz/a		B					
5 N-pak ams	3 % v/v		1.8 qt/a		B					
5 Liberty	0.585 lb ai/a		32 oz/a		C					
5 N-pak ams	3 % v/v		1.8 qt/a		C					
6 Xtendimax	0.5 lb ae/a		22 oz/a		A	100 a	100 a	100 a	100 a	100 a
6 Warrant Ultra	1.36 lb ai/a		50 oz/a		A					
6 Xtendimax	0.5 lb ae/a		22 oz/a		B					
6 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
6 Warrant	1.13 lb ai/a		48 oz/a		B					
6 Intact	0.5 % v/v		9.6 oz/a		B					
6 Class Act Ridion	1 % v/v		19.2 oz/a		B					
7 Xtendimax	0.5 lb ae/a		22 oz/a		A	99 ab	100 a	100 a	100 a	100 a
7 Warrant Ultra	1.36 lb ai/a		50 oz/a		A					
7 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
7 Liberty	0.585 lb ai/a		32 oz/a		B					
7 Warrant	1.13 lb ai/a		48 oz/a		B					
7 N-pak ams	3 % v/v		1.8 qt/a		B					
8 Xtendimax	0.5 lb ae/a		22 oz/a		A	100 a	100 a	100 a	100 a	98 a
8 Valor SX	0.064 lb ai/a		2 oz/a		A					
8 Xtendimax	0.5 lb ae/a		22 oz/a		B					
8 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
8 Warrant	1.13 lb ai/a		48 oz/a		B					
8 Intact	0.5 % v/v		9.6 oz/a		B					
8 Class Act Ridion	1 % v/v		19.2 oz/a		B					
9 Xtendimax	0.5 lb ae/a		22 oz/a		A	98 ab	100 a	100 a	95 a	93 ab
9 Valor SX	0.064 lb ai/a		2 oz/a		A					
9 Roundup Power Max	1.13 lb ae/a		32 oz/a		B					
9 Liberty	0.585 lb ai/a		32 oz/a		B					
9 Warrant	1.13 lb ai/a		48 oz/a		B					
9 N-pak ams	3 % v/v		1.8 qt/a		B					
10 Roundup Power Max	1.13 lb ae/a		32 oz/a		B	100 a	90 a	95 a	97 a	90 abc
10 Liberty	0.585 lb ai/a		32 oz/a		B					
10 Warrant	1.13 lb ai/a		48 oz/a		B					
10 N-pak ams	3 % v/v		1.8 qt/a		B					
11 Liberty	0.585 lb ai/a		32 oz/a		B	87 bc	79 b	85 ab	97 a	88 bc
11 Warrant	1.13 lb ai/a		48 oz/a		B					
11 N-pak ams	3 % v/v		1.8 qt/a		B					

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Pest Type	W Weed	W Weed	W Weed	W Weed	W Weed
Pest Code	AMBTR	CHEAL	AMARE	SETFA	ECHCG
Pest Scientific Name	Ambrosia trifida	Chenopodium album	Amaranthus retrofractus	Setaria faberii	Echinochloa crusgalli
Pest Name	Giant ragweed	Common lambsquarters	Redroot pigweed	Giant foxtail	Common barnyardgrass
Crop Type, Code	C -	C -	C -	C -	C -
Crop Name					
Rating Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%	%	%
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jul-2-2019	Jul-2-2019	Jul-2-2019	Aug-1-2019	Aug-1-2019
Rating Timing				CANOPY	CANOPY
Days After First/Last Applic.	47 11	47 11	47 11	77 21	77 21
Trt-Eval Interval	11 DA-B	11 DA-B	11 DA-B	21 DA-C	21 DA-C
Plant-Eval Interval	47 DP-1	47 DP-1	47 DP-1	77 DP-1	77 DP-1
Days After Emergence	34 DE-1	34 DE-1	34 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0	0	0
Trt Treatment	Rate	Other	Other	Appl	
No. Name	Rate	Unit	Rate	Rate	Unit Code
12 Xtendimax	0.5 lb ae/a	22 oz/a	A	11*	0 d
12 Warrant	1.13 lb ai/a	48 oz/a	A	12*	0 c
12 Roundup Power Max	1.13 lb ae/a	32 oz/a	C	13*	75 b
12 Liberty	0.585 lb ai/a	32 oz/a	C	14*	100 a
12 N-pak ams	3 % v/v	1.8 qt/a	C	15*	83 c
LSD P=.05	4.1 - 12.1	9.0	13.9	5.1	6.8
Standard Deviation	8.1t	6.3	9.7	3.0	4.7
CV	11.74t	7.82	10.98	3.33	5.41
Levene's F	1.514	5.685	20.182	1.906	4.995
Levene's Prob(F)	0.169	0.001*	0.001*	0.09	0.001*
Skewness	-1.4894*	-1.6857*	-2.4936*	-3.0561*	-2.7754*
Kurtosis	0.6639	1.0738	5.0289*	7.9856*	6.6394*
Replicate F	0.747	0.108	0.805	0.234	1.563
Replicate Prob(F)	0.5319	0.9550	0.5002	0.7933	0.2170
Treatment F	67.152	146.809	35.602	270.830	141.358
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001	0.0001

Pest Type	W Weed	W Weed	W Weed
Pest Code	AMBTR	AMARE	CHEAL
Pest Scientific Name	Ambrosia trifi>	Amaranthus ret>	Chenopodium al>
Pest Name	Giant ragweed	Redroot pigweed	common lambsqu>
Crop Type, Code	C -	C -	C -
Crop Name			
Rating Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Data Entry Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Timing	CANOPY	CANOPY	CANOPY
Days After First/Last Applic.	77 21	77 21	77 21
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Unit Code	16*	17*	18*
1	UTC					0 b	0 b	0 b
2	Xtendimax	0.5 lb ae/a	22 oz/a		A	100 a	100 a	100 a
2	Warrant	1.13 lb ai/a	48 oz/a		A			
2	Mauler	0.25 lb ai/a	8 oz/a		A			
2	Xtendimax	0.5 lb ae/a	22 oz/a		B			
2	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
2	Warrant	1.13 lb ai/a	48 oz/a		B			
2	Intact	0.5 % v/v	9.6 oz/a		B			
2	Class Act Ridion	1 % v/v	19.2 oz/a		B			
3	Xtendimax	0.5 lb ae/a	22 oz/a		A	100 a	100 a	100 a
3	Warrant	1.13 lb ai/a	48 oz/a		A			
3	Mauler	0.25 lb ai/a	8 oz/a		A			
3	Xtendimax	0.5 lb ae/a	22 oz/a		B			
3	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
3	Warrant	1.13 lb ai/a	48 oz/a		B			
3	Intact	0.5 % v/v	9.6 oz/a		B			
3	Class Act Ridion	1 % v/v	19.2 oz/a		B			
3	Liberty	0.585 lb ai/a	32 oz/a		C			
3	N-pak ams	3 % v/v	1.8 qt/a		C			
4	Xtendimax	0.5 lb ae/a	22 oz/a		A	88 a	100 a	100 a
4	Warrant	1.13 lb ai/a	48 oz/a		A			
4	Mauler	0.25 lb ai/a	8 oz/a		A			
4	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
4	Liberty	0.585 lb ai/a	32 oz/a		B			
4	Warrant	1.13 lb ai/a	48 oz/a		B			
4	N-pak ams	3 % v/v	1.8 qt/a		B			

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMBTR	AMARE	CHEAL
Pest Scientific Name	Ambrosia trifi>	Amaranthus ret>	Chenopodium al>
Pest Name	Giant ragweed	Redroot pigweed	common lambsqu>
Crop Type, Code	C -	C -	C -
Crop Name			
Rating Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Data Entry Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Timing	CANOPY	CANOPY	CANOPY
Days After First/Last Applic.	77 21	77 21	77 21
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Rate	Other Rate	Other Rate	Appl Unit Code	16*	17*	18*
5	Xtendimax	0.5 lb ae/a	22 oz/a		A	100 a	100 a	100 a
5	Warrant	1.13 lb ai/a	48 oz/a		A			
5	Mauler	0.25 lb ai/a	8 oz/a		A			
5	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
5	Warrant	1.13 lb ai/a	48 oz/a		B			
5	N-pak ams	3 % v/v	1.8 qt/a		B			
5	Liberty	0.585 lb ai/a	32 oz/a		C			
5	N-pak ams	3 % v/v	1.8 qt/a		C			
6	Xtendimax	0.5 lb ae/a	22 oz/a		A	98 a	100 a	100 a
6	Warrant Ultra	1.36 lb ai/a	50 oz/a		A			
6	Xtendimax	0.5 lb ae/a	22 oz/a		B			
6	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
6	Warrant	1.13 lb ai/a	48 oz/a		B			
6	Intact	0.5 % v/v	9.6 oz/a		B			
6	Class Act Ridion	1 % v/v	19.2 oz/a		B			
7	Xtendimax	0.5 lb ae/a	22 oz/a		A	95 a	100 a	100 a
7	Warrant Ultra	1.36 lb ai/a	50 oz/a		A			
7	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
7	Liberty	0.585 lb ai/a	32 oz/a		B			
7	Warrant	1.13 lb ai/a	48 oz/a		B			
7	N-pak ams	3 % v/v	1.8 qt/a		B			
8	Xtendimax	0.5 lb ae/a	22 oz/a		A	93 a	100 a	100 a
8	Valor SX	0.064 lb ai/a	2 oz/a		A			
8	Xtendimax	0.5 lb ae/a	22 oz/a		B			
8	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
8	Warrant	1.13 lb ai/a	48 oz/a		B			
8	Intact	0.5 % v/v	9.6 oz/a		B			
8	Class Act Ridion	1 % v/v	19.2 oz/a		B			
9	Xtendimax	0.5 lb ae/a	22 oz/a		A	82 a	100 a	100 a
9	Valor SX	0.064 lb ai/a	2 oz/a		A			
9	Roundup Power Max	1.13 lb ae/a	32 oz/a		B			
9	Liberty	0.585 lb ai/a	32 oz/a		B			
9	Warrant	1.13 lb ai/a	48 oz/a		B			
9	N-pak ams	3 % v/v	1.8 qt/a		B			
10	Roundup Power Max	1.13 lb ae/a	32 oz/a		B	87 a	94 a	96 a
10	Liberty	0.585 lb ai/a	32 oz/a		B			
10	Warrant	1.13 lb ai/a	48 oz/a		B			
10	N-pak ams	3 % v/v	1.8 qt/a		B			
11	Liberty	0.585 lb ai/a	32 oz/a		B	88 a	95 a	95 a
11	Warrant	1.13 lb ai/a	48 oz/a		B			
11	N-pak ams	3 % v/v	1.8 qt/a		B			

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Pest Type	W Weed	W Weed	W Weed
Pest Code	AMBTR	AMARE	CHEAL
Pest Scientific Name	Ambrosia trifi>	Amaranthus ret>	Chenopodium al>
Pest Name	Giant ragweed	Redroot pigweed	common lambsqu>
Crop Type, Code	C -	C -	C -
Crop Name			
Rating Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Type	CONTRO	CONTRO	CONTRO
Rating Unit	%	%	%
Number of Subsamples	1	1	1
Data Entry Date	Aug-1-2019	Aug-1-2019	Aug-1-2019
Rating Timing	CANOPY	CANOPY	CANOPY
Days After First/Last Applic.	77 21	77 21	77 21
Trt-Eval Interval	21 DA-C	21 DA-C	21 DA-C
Plant-Eval Interval	77 DP-1	77 DP-1	77 DP-1
Days After Emergence	64 DE-1	64 DE-1	64 DE-1
Number of Decimals	0	0	0

Trt No.	Treatment Name	Rate	Unit	Other Rate	Other Rate	Appl Unit Code	16*	17*	18*
12	Xtendimax	0.5 lb ae/a		22 oz/a		A	100 a	100 a	100 a
12	Warrant	1.13 lb ai/a		48 oz/a		A			
12	Roundup Power Max	1.13 lb ae/a		32 oz/a		C			
12	Liberty	0.585 lb ai/a		32 oz/a		C			
12	N-pak ams	3 % v/v		1.8 qt/a		C			
LSD P=.05							11.4	5.3	5.0
Standard Deviation							6.7	3.7	3.4
CV							7.81	4.07	3.79
Levene's F							1.80	2.198	0.913
Levene's Prob(F)							0.111	0.037*	0.538
Skewness							-2.6634*	-3.0203*	-3.0326*
Kurtosis							6.3581*	7.6171*	7.6665*
Replicate F							2.186	0.445	2.147
Replicate Prob(F)							0.1362	0.7224	0.1130
Treatment F							51.368	240.593	277.016
Treatment Prob(F)							0.0001	0.0001	0.0001

XtendFlex soybean herbicide recommendations

Trial ID: 19 XTENDFLEX	Location:	Trial Year: 2019
Protocol ID: 19 XTENDFLEX	Investigator: Dr. Mark M. Loux	
Project ID: 2019-01-N8-02	Study Director: Bryan Reeb	
	Sponsor Contact: Rod Stevenson, Monsanto	

Pest Type

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

Pest Code

SETFA, Setaria faberi, Giant foxtail = US
 AMBTR, Ambrosia trifida, Giant ragweed = US
 CHEAL, Chenopodium album, common lambsquarters = US
 AMARE, Amaranthus retroflexus, Redroot pigweed = US
 ECHCG, Echinochloa crus-galli, Common barnyard grass = US

Crop Type, Code

C, G-ByrC7 = EPPO species (Bayer) codes
 GLXMA, BSOY, Glycine max, Soybean = US

Rating Type

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

Rating Unit

% = percent

Plant-Eval Interval

20 DP-1 = 1 GLXMA May-16-2019
 34 DP-1 = 1 GLXMA May-16-2019
 42 DP-1 = 1 GLXMA May-16-2019
 47 DP-1 = 1 GLXMA May-16-2019
 77 DP-1 = 1 GLXMA May-16-2019