

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus C-12 Investigator: Christy Sprague

Planting Date: May-9-2017 **Row Spacing:** 30 IN
Variety: Pioneer 24T84X **No. of Reps:** 4
Population: 155000 seeds/A **% OM:** 3.1
Soil Type: L loam **pH:** 7.4
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plow; spring soil finish twice
Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grass
2	CHEAL	lambquarters, common	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	ragweed, common	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
6	SINAR	mustard, wild	Sinapis arvensis
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B	C
Application Timing:	PRE	POST	LPOS
Date Treated:	May-9-2017	Jun-13-2017	Jul-6-2017
Time Treated:	12:30 PM	11:30 AM	9:00 AM
% Cloud Cover:	50	90	50
Air Temp., Unit:	64 F	84 F	76 F
% Relative Humidity:	20	56	58
Wind Speed/Unit/Dir:	0 mph	4 mph NW	1 mph
Soil Temp, Unit:	60 F	80 F	74 F
Leaf Moist/Dew Presence (Y/N):	5	5	2
Soil Moist:	3	5	4

Crop Stage at Each Application

	A	B	C
Crop 1 Name:	GLXMA	GLXMA	GLXMA
Height:		7 "	16-18 " (17)
Stage:		V3	V6

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	ANGR	ANGR	ANGR
Height:		2 "	4 "
Stage:		3L	2L
Weed 2 Name:	CHEAL	CHEAL	CHEAL
Height:		2 "	
Stage:		6L	
Weed 3 Name:	AMAPO	AMAPO	AMAPO
Height:		1.5 "	
Stage:		4L	
Weed 4 Name:	AMBEL	AMBEL	AMBEL
Height:			
Stage:			
Weed 5 Name:	ABUTH	ABUTH	ABUTH
Height:			
Stage:			
Weed 6 Name:	SINAR	SINAR	SINAR
Height:			
Stage:			

Application Equipment

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Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	Cub	3.8 MPH	TTI	11003	22 "	20 "	100 "	19 GPA	WATER	25 PSI
B	Cub	3.8 MPH	TTI	11003	24 "	20 "	100 "	19 GPA	WATER	25 PSI
C	Cub	3.8 MPH	TTI	11003	24 "	20 "	100 "	19 GPA	WATER	25 PSI

Comments: The common ragweed population at the location is resistant to the ALS-inhibiting (Group 2) herbicides.

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Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	SINAR
Crop Code	GLXMA			
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Type	injury	control	control	control
Rating Unit	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	XtendiMax	2.9	SL	22	fl oz/a	A	7	61	91	93	100
1	Warrant	3	L	3	pt/a	A					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
1	AMS		WG	17	lb/100 gal	B					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
1	XtendiMax	2.9	SL	22	fl oz/a	C					
1	Intact		L	0.5	% v/v	C					
2	XtendiMax	2.9	SL	22	fl oz/a	A	9	62	86	81	100
2	Warrant	3	L	3	pt/a	A					
2	XtendiMax	2.9	SL	22	fl oz/a	B					
2	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
2	XtendiMax	2.9	SL	22	fl oz/a	C					
2	Intact		L	0.5	% v/v	C					
3	XtendiMax	2.9	SL	22	fl oz/a	A	6	61	91	91	100
3	Warrant	3	L	3	pt/a	A					
3	Cobra	2	L	10	fl oz/a	B					
3	Crop oil concentrate		L	0.5	% v/v	B					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
3	XtendiMax	2.9	SL	22	fl oz/a	C					
3	Intact		L	0.5	% v/v	C					
4	XtendiMax	2.9	SL	22	fl oz/a	A	6	63	82	87	100
4	Warrant	3	L	3	pt/a	A					
4	Warrant Ultra	3.49	L	50	fl oz/a	B					
4	Surfactant		L	0.25	% v/v	B					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
4	XtendiMax	2.9	SL	22	fl oz/a	C					
4	Intact		L	0.5	% v/v	C					
5	XtendiMax	2.9	SL	22	fl oz/a	A	6	63	90	93	100
5	Warrant	3	L	3	pt/a	A					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
5	XtendiMax	2.9	SL	22	fl oz/a	B					
5	Intact		L	0.5	% v/v	B					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
5	XtendiMax	2.9	SL	22	fl oz/a	C					
5	Intact		L	0.5	% v/v	C					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

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Pest Code	ANGR	CHEAL	AMBEL	SINAR
Crop Code	GLXMA			
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Type	injury	control	control	control
Rating Unit	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Number of Decimals	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	7	60	88	89	100
6	Warrant	3	L	3	pt/a	A					
6	Cobra	2	L	10	fl oz/a	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
6	XtendiMax	2.9	SL	22	fl oz/a	B					
6	Intact		L	0.5	% v/v	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
6	XtendiMax	2.9	SL	22	fl oz/a	C					
6	Intact		L	0.5	% v/v	C					
7	XtendiMax	2.9	SL	22	fl oz/a	A	6	61	88	86	100
7	Warrant	3	L	3	pt/a	A					
7	Warrant	3	L	3	pt/a	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
7	XtendiMax	2.9	SL	22	fl oz/a	B					
7	Intact		L	0.5	% v/v	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
7	XtendiMax	2.9	SL	22	fl oz/a	C					
7	Intact		L	0.5	% v/v	C					
8	XtendiMax	2.9	SL	22	fl oz/a	A	7	63	89	91	100
8	Warrant	3	L	3	pt/a	A					
8	Select Max	0.97	L	6	fl oz/a	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
8	XtendiMax	2.9	SL	22	fl oz/a	B					
8	Intact		L	0.5	% v/v	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
8	XtendiMax	2.9	SL	22	fl oz/a	C					
8	Intact		L	0.5	% v/v	C					
9	XtendiMax	2.9	SL	22	fl oz/a	A	7	61	91	93	100
9	Warrant	3	L	3	pt/a	A					
9	FirstRate	84	WG	0.6	oz/a	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
9	XtendiMax	2.9	SL	22	fl oz/a	B					
9	Intact		L	0.5	% v/v	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
9	XtendiMax	2.9	SL	22	fl oz/a	C					
9	Intact		L	0.5	% v/v	C					
10	XtendiMax	2.9	SL	22	fl oz/a	A	6	62	91	86	100
10	Warrant	3	L	3	pt/a	A					
10	Warrant Ultra	3.49	L	50	fl oz/a	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
10	XtendiMax	2.9	SL	22	fl oz/a	B					
10	Intact		L	0.5	% v/v	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
10	XtendiMax	2.9	SL	22	fl oz/a	C					
10	Intact		L	0.5	% v/v	C					

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Location: Campus C-12

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Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	SINAR
Crop Code	GLXMA				
Rating Date	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	7	58	91	91	100
11	Warrant	3	L	3	pt/a	A					
11	Cobra	2	L	10	fl oz/a	B					
11	Warrant	3	L	3	pt/a	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
11	XtendiMax	2.9	SL	22	fl oz/a	B					
11	Intact		L	0.5	% v/v	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
11	XtendiMax	2.9	SL	22	fl oz/a	C					
11	Intact		L	0.5	% v/v	C					
12	XtendiMax	2.9	SL	22	fl oz/a	A	7	62	93	85	100
12	Warrant	3	L	3	pt/a	A					
12	Select Max	0.97	L	6	fl oz/a	B					
12	Cobra	2	L	10	fl oz/a	B					
12	Warrant	3	L	3	pt/a	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
12	XtendiMax	2.9	SL	22	fl oz/a	B					
12	Intact		L	0.5	% v/v	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
12	XtendiMax	2.9	SL	22	fl oz/a	C					
12	Intact		L	0.5	% v/v	C					
LSD P=.05							2.7	8.2	6.9	8.4	.
Standard Deviation							1.9	5.7	4.8	5.8	0.0
CV							28.4	9.37	5.41	6.56	0.0

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL
Crop Code	GLXMA				
Rating Date	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	XtendiMax	2.9	SL	22 fl oz/a		A	0	99	99	100	95
1	Warrant	3	L	3 pt/a		A					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
1	AMS		WG	17 lb/100 gal		B					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
1	XtendiMax	2.9	SL	22 fl oz/a		C					
1	Intact		L	0.5 % v/v		C					
2	XtendiMax	2.9	SL	22 fl oz/a		A	0	73	84	100	94
2	Warrant	3	L	3 pt/a		A					
2	XtendiMax	2.9	SL	22 fl oz/a		B					
2	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
2	XtendiMax	2.9	SL	22 fl oz/a		C					
2	Intact		L	0.5 % v/v		C					
3	XtendiMax	2.9	SL	22 fl oz/a		A	36	74	79	100	100
3	Warrant	3	L	3 pt/a		A					
3	Cobra	2	L	10 fl oz/a		B					
3	Crop oil concentrate		L	0.5 % v/v		B					
3	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
3	XtendiMax	2.9	SL	22 fl oz/a		C					
3	Intact		L	0.5 % v/v		C					
4	XtendiMax	2.9	SL	22 fl oz/a		A	21	74	77	100	94
4	Warrant	3	L	3 pt/a		A					
4	Warrant Ultra	3.49	L	50 fl oz/a		B					
4	Surfactant		L	0.25 % v/v		B					
4	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
4	XtendiMax	2.9	SL	22 fl oz/a		C					
4	Intact		L	0.5 % v/v		C					
5	XtendiMax	2.9	SL	22 fl oz/a		A	9	100	100	100	96
5	Warrant	3	L	3 pt/a		A					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
5	XtendiMax	2.9	SL	22 fl oz/a		B					
5	Intact		L	0.5 % v/v		B					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
5	XtendiMax	2.9	SL	22 fl oz/a		C					
5	Intact		L	0.5 % v/v		C					

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Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMAPO	AMBEL
Crop Code	GLXMA				
Rating Date	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	32	99	100	100	100
6	Warrant	3	L	3	pt/a	A					
6	Cobra	2	L	10	fl oz/a	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
6	XtendiMax	2.9	SL	22	fl oz/a	B					
6	Intact		L	0.5	% v/v	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
6	XtendiMax	2.9	SL	22	fl oz/a	C					
6	Intact		L	0.5	% v/v	C					
7	XtendiMax	2.9	SL	22	fl oz/a	A	5	99	100	98	98
7	Warrant	3	L	3	pt/a	A					
7	Warrant	3	L	3	pt/a	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
7	XtendiMax	2.9	SL	22	fl oz/a	B					
7	Intact		L	0.5	% v/v	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
7	XtendiMax	2.9	SL	22	fl oz/a	C					
7	Intact		L	0.5	% v/v	C					
8	XtendiMax	2.9	SL	22	fl oz/a	A	6	100	100	100	96
8	Warrant	3	L	3	pt/a	A					
8	Select Max	0.97	L	6	fl oz/a	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
8	XtendiMax	2.9	SL	22	fl oz/a	B					
8	Intact		L	0.5	% v/v	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
8	XtendiMax	2.9	SL	22	fl oz/a	C					
8	Intact		L	0.5	% v/v	C					
9	XtendiMax	2.9	SL	22	fl oz/a	A	5	98	100	100	96
9	Warrant	3	L	3	pt/a	A					
9	FirstRate	84	WG	0.6	oz/a	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
9	XtendiMax	2.9	SL	22	fl oz/a	B					
9	Intact		L	0.5	% v/v	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
9	XtendiMax	2.9	SL	22	fl oz/a	C					
9	Intact		L	0.5	% v/v	C					
10	XtendiMax	2.9	SL	22	fl oz/a	A	29	99	100	100	100
10	Warrant	3	L	3	pt/a	A					
10	Warrant Ultra	3.49	L	50	fl oz/a	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
10	XtendiMax	2.9	SL	22	fl oz/a	B					
10	Intact		L	0.5	% v/v	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
10	XtendiMax	2.9	SL	22	fl oz/a	C					
10	Intact		L	0.5	% v/v	C					

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL
Crop Code	GLXMA				
Rating Date	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017	Jun-20-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	29	98	100	100	100
11	Warrant	3	L	3	pt/a	A					
11	Cobra	2	L	10	fl oz/a	B					
11	Warrant	3	L	3	pt/a	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
11	XtendiMax	2.9	SL	22	fl oz/a	B					
11	Intact		L	0.5	% v/v	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
11	XtendiMax	2.9	SL	22	fl oz/a	C					
11	Intact		L	0.5	% v/v	C					
12	XtendiMax	2.9	SL	22	fl oz/a	A	30	100	100	100	100
12	Warrant	3	L	3	pt/a	A					
12	Select Max	0.97	L	6	fl oz/a	B					
12	Cobra	2	L	10	fl oz/a	B					
12	Warrant	3	L	3	pt/a	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
12	XtendiMax	2.9	SL	22	fl oz/a	B					
12	Intact		L	0.5	% v/v	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
12	XtendiMax	2.9	SL	22	fl oz/a	C					
12	Intact		L	0.5	% v/v	C					
LSD P=.05							9.4	3.5	4.9	2.1	7.1
Standard Deviation							6.5	2.4	3.4	1.4	4.9
CV							39.05	2.62	3.57	1.45	5.05

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Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jun-20-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	98	100
1	Warrant	3	L	3 pt/a		A					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
1	AMS		WG	17 lb/100 gal		B					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
1	XtendiMax	2.9	SL	22 fl oz/a		C					
1	Intact		L	0.5 % v/v		C					
2	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	63	89
2	Warrant	3	L	3 pt/a		A					
2	XtendiMax	2.9	SL	22 fl oz/a		B					
2	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
2	XtendiMax	2.9	SL	22 fl oz/a		C					
2	Intact		L	0.5 % v/v		C					
3	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	17	55	74
3	Warrant	3	L	3 pt/a		A					
3	Cobra	2	L	10 fl oz/a		B					
3	Crop oil concentrate		L	0.5 % v/v		B					
3	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
3	XtendiMax	2.9	SL	22 fl oz/a		C					
3	Intact		L	0.5 % v/v		C					
4	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11	65	71
4	Warrant	3	L	3 pt/a		A					
4	Warrant Ultra	3.49	L	50 fl oz/a		B					
4	Surfactant		L	0.25 % v/v		B					
4	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
4	XtendiMax	2.9	SL	22 fl oz/a		C					
4	Intact		L	0.5 % v/v		C					
5	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	7	99	100
5	Warrant	3	L	3 pt/a		A					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
5	XtendiMax	2.9	SL	22 fl oz/a		B					
5	Intact		L	0.5 % v/v		B					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
5	XtendiMax	2.9	SL	22 fl oz/a		C					
5	Intact		L	0.5 % v/v		C					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jun-20-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11	100	100
6	Warrant	3	L	3	pt/a	A					
6	Cobra	2	L	10	fl oz/a	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
6	XtendiMax	2.9	SL	22	fl oz/a	B					
6	Intact		L	0.5	% v/v	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
6	XtendiMax	2.9	SL	22	fl oz/a	C					
6	Intact		L	0.5	% v/v	C					
7	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	4	99	100
7	Warrant	3	L	3	pt/a	A					
7	Warrant	3	L	3	pt/a	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
7	XtendiMax	2.9	SL	22	fl oz/a	B					
7	Intact		L	0.5	% v/v	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
7	XtendiMax	2.9	SL	22	fl oz/a	C					
7	Intact		L	0.5	% v/v	C					
8	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	5	100	100
8	Warrant	3	L	3	pt/a	A					
8	Select Max	0.97	L	6	fl oz/a	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
8	XtendiMax	2.9	SL	22	fl oz/a	B					
8	Intact		L	0.5	% v/v	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
8	XtendiMax	2.9	SL	22	fl oz/a	C					
8	Intact		L	0.5	% v/v	C					
9	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	4	99	100
9	Warrant	3	L	3	pt/a	A					
9	FirstRate	84	WG	0.6	oz/a	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
9	XtendiMax	2.9	SL	22	fl oz/a	B					
9	Intact		L	0.5	% v/v	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
9	XtendiMax	2.9	SL	22	fl oz/a	C					
9	Intact		L	0.5	% v/v	C					
10	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	20	100	100
10	Warrant	3	L	3	pt/a	A					
10	Warrant Ultra	3.49	L	50	fl oz/a	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
10	XtendiMax	2.9	SL	22	fl oz/a	B					
10	Intact		L	0.5	% v/v	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
10	XtendiMax	2.9	SL	22	fl oz/a	C					
10	Intact		L	0.5	% v/v	C					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jun-20-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	15	100	100
11	Warrant	3	L	3	pt/a	A					
11	Cobra	2	L	10	fl oz/a	B					
11	Warrant	3	L	3	pt/a	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
11	XtendiMax	2.9	SL	22	fl oz/a	B					
11	Intact		L	0.5	% v/v	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
11	XtendiMax	2.9	SL	22	fl oz/a	C					
11	Intact		L	0.5	% v/v	C					
12	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	16	100	100
12	Warrant	3	L	3	pt/a	A					
12	Select Max	0.97	L	6	fl oz/a	B					
12	Cobra	2	L	10	fl oz/a	B					
12	Warrant	3	L	3	pt/a	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
12	XtendiMax	2.9	SL	22	fl oz/a	B					
12	Intact		L	0.5	% v/v	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
12	XtendiMax	2.9	SL	22	fl oz/a	C					
12	Intact		L	0.5	% v/v	C					
LSD P=.05							.	.	5.6	5.7	3.5
Standard Deviation							0.0	0.0	3.9	4.0	2.4
CV							0.0	0.0	42.24	4.44	2.57

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

**Investigator: Christy Sprague
Study Director: Sprague, Powell, Stiles**

	AMBEL	GLXMA	ANGR	CHEAL	AMAPO	AMBEL
Pest Code						
Crop Code						
Rating Date	Jun-27-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017
Rating Type	control	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
1	XtendiMax	2.9	SL	22 fl oz/a		A	100	0	100	100	100	100
1	Warrant	3	L	3 pt/a		A						
1	Roundup PowerMax	4.5	SL	32 fl oz/a		B						
1	AMS		WG	17 lb/100 gal		B						
1	Roundup PowerMax	4.5	SL	32 fl oz/a		C						
1	XtendiMax	2.9	SL	22 fl oz/a		C						
1	Intact		L	0.5 % v/v		C						
2	XtendiMax	2.9	SL	22 fl oz/a		A	100	0	98	100	100	100
2	Warrant	3	L	3 pt/a		A						
2	XtendiMax	2.9	SL	22 fl oz/a		B						
2	Roundup PowerMax	4.5	SL	32 fl oz/a		C						
2	XtendiMax	2.9	SL	22 fl oz/a		C						
2	Intact		L	0.5 % v/v		C						
3	XtendiMax	2.9	SL	22 fl oz/a		A	100	0	98	100	100	100
3	Warrant	3	L	3 pt/a		A						
3	Cobra	2	L	10 fl oz/a		B						
3	Crop oil concentrate		L	0.5 % v/v		B						
3	Roundup PowerMax	4.5	SL	32 fl oz/a		C						
3	XtendiMax	2.9	SL	22 fl oz/a		C						
3	Intact		L	0.5 % v/v		C						
4	XtendiMax	2.9	SL	22 fl oz/a		A	90	0	99	99	100	100
4	Warrant	3	L	3 pt/a		A						
4	Warrant Ultra	3.49	L	50 fl oz/a		B						
4	Surfactant		L	0.25 % v/v		B						
4	Roundup PowerMax	4.5	SL	32 fl oz/a		C						
4	XtendiMax	2.9	SL	22 fl oz/a		C						
4	Intact		L	0.5 % v/v		C						
5	XtendiMax	2.9	SL	22 fl oz/a		A	100	0	100	100	100	100
5	Warrant	3	L	3 pt/a		A						
5	Roundup PowerMax	4.5	SL	32 fl oz/a		B						
5	XtendiMax	2.9	SL	22 fl oz/a		B						
5	Intact		L	0.5 % v/v		B						
5	Roundup PowerMax	4.5	SL	32 fl oz/a		C						
5	XtendiMax	2.9	SL	22 fl oz/a		C						
5	Intact		L	0.5 % v/v		C						

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL	GLXMA	ANGR	CHEAL	AMAPO	AMBEL
Crop Code						
Rating Date	Jun-27-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017
Rating Type	control	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	100	0	100	100	100	100
6	Warrant	3	L	3	pt/a	A						
6	Cobra	2	L	10	fl oz/a	B						
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
6	XtendiMax	2.9	SL	22	fl oz/a	B						
6	Intact		L	0.5	% v/v	B						
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
6	XtendiMax	2.9	SL	22	fl oz/a	C						
6	Intact		L	0.5	% v/v	C						
7	XtendiMax	2.9	SL	22	fl oz/a	A	100	0	100	100	100	100
7	Warrant	3	L	3	pt/a	A						
7	Warrant	3	L	3	pt/a	B						
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
7	XtendiMax	2.9	SL	22	fl oz/a	B						
7	Intact		L	0.5	% v/v	B						
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
7	XtendiMax	2.9	SL	22	fl oz/a	C						
7	Intact		L	0.5	% v/v	C						
8	XtendiMax	2.9	SL	22	fl oz/a	A	100	0	100	100	100	100
8	Warrant	3	L	3	pt/a	A						
8	Select Max	0.97	L	6	fl oz/a	B						
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
8	XtendiMax	2.9	SL	22	fl oz/a	B						
8	Intact		L	0.5	% v/v	B						
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
8	XtendiMax	2.9	SL	22	fl oz/a	C						
8	Intact		L	0.5	% v/v	C						
9	XtendiMax	2.9	SL	22	fl oz/a	A	100	0	100	100	100	100
9	Warrant	3	L	3	pt/a	A						
9	FirstRate	84	WG	0.6	oz/a	B						
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
9	XtendiMax	2.9	SL	22	fl oz/a	B						
9	Intact		L	0.5	% v/v	B						
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
9	XtendiMax	2.9	SL	22	fl oz/a	C						
9	Intact		L	0.5	% v/v	C						
10	XtendiMax	2.9	SL	22	fl oz/a	A	100	2	100	100	100	100
10	Warrant	3	L	3	pt/a	A						
10	Warrant Ultra	3.49	L	50	fl oz/a	B						
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
10	XtendiMax	2.9	SL	22	fl oz/a	B						
10	Intact		L	0.5	% v/v	B						
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
10	XtendiMax	2.9	SL	22	fl oz/a	C						
10	Intact		L	0.5	% v/v	C						

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMBEL		ANGR	CHEAL	AMAPO	AMBEL
Crop Code		GLXMA				
Rating Date	Jun-27-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017	Jul-25-2017
Rating Type	control	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B	42 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	100	1	100	100	100	100
11	Warrant	3	L	3	pt/a	A						
11	Cobra	2	L	10	fl oz/a	B						
11	Warrant	3	L	3	pt/a	B						
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
11	XtendiMax	2.9	SL	22	fl oz/a	B						
11	Intact		L	0.5	% v/v	B						
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
11	XtendiMax	2.9	SL	22	fl oz/a	C						
11	Intact		L	0.5	% v/v	C						
12	XtendiMax	2.9	SL	22	fl oz/a	A	100	0	100	100	100	100
12	Warrant	3	L	3	pt/a	A						
12	Select Max	0.97	L	6	fl oz/a	B						
12	Cobra	2	L	10	fl oz/a	B						
12	Warrant	3	L	3	pt/a	B						
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B						
12	XtendiMax	2.9	SL	22	fl oz/a	B						
12	Intact		L	0.5	% v/v	B						
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C						
12	XtendiMax	2.9	SL	22	fl oz/a	C						
12	Intact		L	0.5	% v/v	C						
LSD P=.05							8.3	1.4	1.5	0.6	.	.
Standard Deviation							5.8	1.0	1.0	0.4	0.0	0.0
CV							5.82	358.95	1.03	0.43	0.0	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jul-25-2017	Jul-25-2017	Sep-21-2017	Sep-21-2017	Sep-21-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	42 DA-B	42 DA-B	100 DA-B	100 DA-B	100 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	98	100
1	Warrant	3	L	3 pt/a		A					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
1	AMS		WG	17 lb/100 gal		B					
1	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
1	XtendiMax	2.9	SL	22 fl oz/a		C					
1	Intact		L	0.5 % v/v		C					
2	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	98	100
2	Warrant	3	L	3 pt/a		A					
2	XtendiMax	2.9	SL	22 fl oz/a		B					
2	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
2	XtendiMax	2.9	SL	22 fl oz/a		C					
2	Intact		L	0.5 % v/v		C					
3	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	97	100
3	Warrant	3	L	3 pt/a		A					
3	Cobra	2	L	10 fl oz/a		B					
3	Crop oil concentrate		L	0.5 % v/v		B					
3	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
3	XtendiMax	2.9	SL	22 fl oz/a		C					
3	Intact		L	0.5 % v/v		C					
4	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	97	100
4	Warrant	3	L	3 pt/a		A					
4	Warrant Ultra	3.49	L	50 fl oz/a		B					
4	Surfactant		L	0.25 % v/v		B					
4	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
4	XtendiMax	2.9	SL	22 fl oz/a		C					
4	Intact		L	0.5 % v/v		C					
5	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	0	100	100
5	Warrant	3	L	3 pt/a		A					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		B					
5	XtendiMax	2.9	SL	22 fl oz/a		B					
5	Intact		L	0.5 % v/v		B					
5	Roundup PowerMax	4.5	SL	32 fl oz/a		C					
5	XtendiMax	2.9	SL	22 fl oz/a		C					
5	Intact		L	0.5 % v/v		C					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jul-25-2017	Jul-25-2017	Sep-21-2017	Sep-21-2017	Sep-21-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	42 DA-B	42 DA-B	100 DA-B	100 DA-B	100 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
6	Warrant	3	L	3	pt/a	A					
6	Cobra	2	L	10	fl oz/a	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
6	XtendiMax	2.9	SL	22	fl oz/a	B					
6	Intact		L	0.5	% v/v	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
6	XtendiMax	2.9	SL	22	fl oz/a	C					
6	Intact		L	0.5	% v/v	C					
7	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
7	Warrant	3	L	3	pt/a	A					
7	Warrant	3	L	3	pt/a	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
7	XtendiMax	2.9	SL	22	fl oz/a	B					
7	Intact		L	0.5	% v/v	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
7	XtendiMax	2.9	SL	22	fl oz/a	C					
7	Intact		L	0.5	% v/v	C					
8	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
8	Warrant	3	L	3	pt/a	A					
8	Select Max	0.97	L	6	fl oz/a	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
8	XtendiMax	2.9	SL	22	fl oz/a	B					
8	Intact		L	0.5	% v/v	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
8	XtendiMax	2.9	SL	22	fl oz/a	C					
8	Intact		L	0.5	% v/v	C					
9	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
9	Warrant	3	L	3	pt/a	A					
9	FirstRate	84	WG	0.6	oz/a	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
9	XtendiMax	2.9	SL	22	fl oz/a	B					
9	Intact		L	0.5	% v/v	B					
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
9	XtendiMax	2.9	SL	22	fl oz/a	C					
9	Intact		L	0.5	% v/v	C					
10	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
10	Warrant	3	L	3	pt/a	A					
10	Warrant Ultra	3.49	L	50	fl oz/a	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
10	XtendiMax	2.9	SL	22	fl oz/a	B					
10	Intact		L	0.5	% v/v	B					
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
10	XtendiMax	2.9	SL	22	fl oz/a	C					
10	Intact		L	0.5	% v/v	C					

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	ANGR	CHEAL
Crop Code					
Rating Date	Jul-25-2017	Jul-25-2017	Sep-21-2017	Sep-21-2017	Sep-21-2017
Rating Type	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	42 DA-B	42 DA-B	100 DA-B	100 DA-B	100 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
11	Warrant	3	L	3	pt/a	A					
11	Cobra	2	L	10	fl oz/a	B					
11	Warrant	3	L	3	pt/a	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
11	XtendiMax	2.9	SL	22	fl oz/a	B					
11	Intact		L	0.5	% v/v	B					
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
11	XtendiMax	2.9	SL	22	fl oz/a	C					
11	Intact		L	0.5	% v/v	C					
12	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	0	100	100
12	Warrant	3	L	3	pt/a	A					
12	Select Max	0.97	L	6	fl oz/a	B					
12	Cobra	2	L	10	fl oz/a	B					
12	Warrant	3	L	3	pt/a	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B					
12	XtendiMax	2.9	SL	22	fl oz/a	B					
12	Intact		L	0.5	% v/v	B					
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C					
12	XtendiMax	2.9	SL	22	fl oz/a	C					
12	Intact		L	0.5	% v/v	C					
LSD P=.05							.	.	.	1.8	.
Standard Deviation							0.0	0.0	0.0	1.2	0.0
CV							0.0	0.0	0.0	1.23	0.0

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	AMBEL	GLXMA	GLXMA
Crop Code				
Rating Date	Sep-21-2017	Sep-21-2017	Oct-18-2017	Oct-18-2017
Rating Type	control	control	moisture	yield
Rating Unit	percent	percent	percent	bu/acre
Trt-Eval Interval	100 DA-B	100 DA-B	104 DA-C	at 13% M
Number of Decimals	0	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
1	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11.4	54.4
1	Warrant	3	L	3 pt/a		A				
1	Roundup PowerMax	4.5	SL	32 fl oz/a		B				
1	AMS		WG	17 lb/100 gal		B				
1	Roundup PowerMax	4.5	SL	32 fl oz/a		C				
1	XtendiMax	2.9	SL	22 fl oz/a		C				
1	Intact		L	0.5 % v/v		C				
2	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11.4	52.7
2	Warrant	3	L	3 pt/a		A				
2	XtendiMax	2.9	SL	22 fl oz/a		B				
2	Roundup PowerMax	4.5	SL	32 fl oz/a		C				
2	XtendiMax	2.9	SL	22 fl oz/a		C				
2	Intact		L	0.5 % v/v		C				
3	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11.4	52.4
3	Warrant	3	L	3 pt/a		A				
3	Cobra	2	L	10 fl oz/a		B				
3	Crop oil concentrate		L	0.5 % v/v		B				
3	Roundup PowerMax	4.5	SL	32 fl oz/a		C				
3	XtendiMax	2.9	SL	22 fl oz/a		C				
3	Intact		L	0.5 % v/v		C				
4	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11.6	51.0
4	Warrant	3	L	3 pt/a		A				
4	Warrant Ultra	3.49	L	50 fl oz/a		B				
4	Surfactant		L	0.25 % v/v		B				
4	Roundup PowerMax	4.5	SL	32 fl oz/a		C				
4	XtendiMax	2.9	SL	22 fl oz/a		C				
4	Intact		L	0.5 % v/v		C				
5	XtendiMax	2.9	SL	22 fl oz/a		A	100	100	11.5	50.2
5	Warrant	3	L	3 pt/a		A				
5	Roundup PowerMax	4.5	SL	32 fl oz/a		B				
5	XtendiMax	2.9	SL	22 fl oz/a		B				
5	Intact		L	0.5 % v/v		B				
5	Roundup PowerMax	4.5	SL	32 fl oz/a		C				
5	XtendiMax	2.9	SL	22 fl oz/a		C				
5	Intact		L	0.5 % v/v		C				

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	AMBEL	GLXMA	GLXMA
Crop Code	Sep-21-2017	Sep-21-2017	Oct-18-2017	Oct-18-2017
Rating Date	control	control	moisture	yield
Rating Type	percent	percent	percent	bu/acre
Rating Unit	100 DA-B	100 DA-B	104 DA-C	at 13% M
Trt-Eval Interval	0	0	1	1
Number of Decimals				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
6	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.4	54.1
6	Warrant	3	L	3	pt/a	A				
6	Cobra	2	L	10	fl oz/a	B				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
6	XtendiMax	2.9	SL	22	fl oz/a	B				
6	Intact		L	0.5	% v/v	B				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
6	XtendiMax	2.9	SL	22	fl oz/a	C				
6	Intact		L	0.5	% v/v	C				
7	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.5	55.6
7	Warrant	3	L	3	pt/a	A				
7	Warrant	3	L	3	pt/a	B				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
7	XtendiMax	2.9	SL	22	fl oz/a	B				
7	Intact		L	0.5	% v/v	B				
7	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
7	XtendiMax	2.9	SL	22	fl oz/a	C				
7	Intact		L	0.5	% v/v	C				
8	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.6	50.1
8	Warrant	3	L	3	pt/a	A				
8	Select Max	0.97	L	6	fl oz/a	B				
8	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
8	XtendiMax	2.9	SL	22	fl oz/a	B				
8	Intact		L	0.5	% v/v	B				
8	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
8	XtendiMax	2.9	SL	22	fl oz/a	C				
8	Intact		L	0.5	% v/v	C				
9	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.5	56.7
9	Warrant	3	L	3	pt/a	A				
9	FirstRate	84	WG	0.6	oz/a	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
9	XtendiMax	2.9	SL	22	fl oz/a	B				
9	Intact		L	0.5	% v/v	B				
9	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
9	XtendiMax	2.9	SL	22	fl oz/a	C				
9	Intact		L	0.5	% v/v	C				
10	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.6	50.9
10	Warrant	3	L	3	pt/a	A				
10	Warrant Ultra	3.49	L	50	fl oz/a	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
10	XtendiMax	2.9	SL	22	fl oz/a	B				
10	Intact		L	0.5	% v/v	B				
10	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
10	XtendiMax	2.9	SL	22	fl oz/a	C				
10	Intact		L	0.5	% v/v	C				

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.

Crop tolerance with XtendiMax tank-mixtures in RR2 Xtend soybean

Trial ID: SOY04-17

Location: Campus C-12

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	AMAPO	AMBEL	GLXMA	GLXMA
Crop Code	Sep-21-2017	Sep-21-2017	Oct-18-2017	Oct-18-2017
Rating Date	control	control	moisture	yield
Rating Type	percent	percent	percent	bu/acre
Rating Unit	100 DA-B	100 DA-B	104 DA-C	at 13% M
Trt-Eval Interval	0	0	1	1
Number of Decimals				

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*
11	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.5	54.3
11	Warrant	3	L	3	pt/a	A				
11	Cobra	2	L	10	fl oz/a	B				
11	Warrant	3	L	3	pt/a	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
11	XtendiMax	2.9	SL	22	fl oz/a	B				
11	Intact		L	0.5	% v/v	B				
11	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
11	XtendiMax	2.9	SL	22	fl oz/a	C				
11	Intact		L	0.5	% v/v	C				
12	XtendiMax	2.9	SL	22	fl oz/a	A	100	100	11.5	51.4
12	Warrant	3	L	3	pt/a	A				
12	Select Max	0.97	L	6	fl oz/a	B				
12	Cobra	2	L	10	fl oz/a	B				
12	Warrant	3	L	3	pt/a	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	B				
12	XtendiMax	2.9	SL	22	fl oz/a	B				
12	Intact		L	0.5	% v/v	B				
12	Roundup PowerMax	4.5	SL	32	fl oz/a	C				
12	XtendiMax	2.9	SL	22	fl oz/a	C				
12	Intact		L	0.5	% v/v	C				
LSD P=.05							.	.	0.19	9.11
Standard Deviation							0.0	0.0	0.13	6.33
CV							0.0	0.0	1.15	11.99

* Adjusted means

Could not calculate LSD (% mean diff) for columns 5,11,12,20,21,22,23,24,26,27,28 because error mean square = 0.