

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Date Planted: May/28/2015 Row Spacing: 30 IN
 Variety: DT Soybean MP43AY12 No. of Reps: 4
 Population: 140,000 seeds/A % OM: 2.9
 Soil Type: Loam pH: 7.5
 Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; spring soil finish

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1.	ANGR	mainly foxtail species	SETARIA SP.
2.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
3.	AMAPO	AMARANTH, POWELL	AMARANTHUS POWELLII S.WATS.
4.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
5.	HIBTR	MALLOW, VENICE	HIBISCUS TRIONUM L.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B	C
Application Timing:	PRE	POST	LPOS
Date Treated:	May/28/2015	Jul/06/2015	Jul/23/2015
Time Treated:	4:00 PM	8:30 AM	10:30 AM
% Cloud Cover:	10	10	0
Air Temp., Unit:	82 F	68 F	71 F
% Relative Humidity:	41	75	59
Wind Speed/Unit/Dir:	3 mph S	4 mph S	1 mph S
Soil Temp., Unit:	71 F	68 F	69 F
Soil/Leaf Surface M:	3 -	5 5	5 5
Soil Moist (1=w 5=d):	3	4	4

Crop Stage at Each Application

	A	B	C
Crop Name:	GLXMA	GLXMA	GLXMA
Height (In.):	-	8-10"	22"
Stage (L):	-	V4	R1

Weed Stage at Each Application

	A	B	C
Weed 1 Name:	ANGR	ANGR	ANGR
Height (In.):	-	cot-3"	-
Stage (L):	-	cot-4	-
Weed 2 Name:	CHEAL	CHEAL	CHEAL
Height (In.):	-	2.5"	-
Stage (L):	-	14	-
Weed 3 Name:	AMAPO	AMAPO	AMAPO
Height (In.):	-	.5"	-
Stage (L):	-	4	-
Weed 4 Name:	AMBEL	AMBEL	AMBEL
Height (In.):	-	3"	-
Stage (L):	-	8	-
Weed 5 Name:	HIBTR	HIBTR	HIBTR
Height (In.):	-	1"	-
Stage (L):	-	3	-

Weed Density (plants/sq. ft.)

	1	2	3	4	5
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Density:	10	<1	3	4	3

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom			
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI
A	Cub	3.8	TTI/AIXR	11003	24"	20"	100"	19	Water	28
B	Cub	3.8	TTI/AIXR	11003	26"	20"	100"	19	Water	28
C	Cub	3.8	AIXR	11003	29"	20"	100"	19	Water	28

Comments: The LibertyLink soybean variety was MCIA2512LL and the Roundup Ready 2 Xtend soybean variety was MP43AY12.

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Weed Code								GLXMA	ANGR	CHEAL	AMAPO	AMBEL
Crop Code								injury	control	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/06/2015	Jul/06/2015	Jul/06/2015	Jul/06/2015	Jul/06/2015
Rating Date								0 DA-B	0 DA-B	0 DA-B	0 DA-B	0 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	RR2 Xtend soybean							1	98	99	99	98
1	*TTI - nozzles					PRE	A					
1	Rowel	51	WG	2	oz/a	PRE	A					
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
1	*TTI - nozzles					POST	B					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	RR2 Xtend soybean							1	98	99	99	98
2	*TTI - nozzles					PRE	A					
2	Rowel	51	WG	2	oz/a	PRE	A					
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
2	*TTI - nozzles					POST	B					
2	MON 76832	3	SL	1.5	qt/a	POST	B					
2	Strike Force		L	0.5	% v/v	POST	B					
3	RR2 Xtend soybean							1	99	99	99	98
3	*TTI - nozzles					PRE	A					
3	Rowel	51	WG	2	oz/a	PRE	A					
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
3	*TTI - nozzles					POST	B					
3	MON 76832	3	SL	1.5	qt/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Strike Force		L	0.5	% v/v	POST	B					
4	RR2 Xtend soybean							2	99	99	99	99
4	*TTI - nozzles					PRE	A					
4	Rowel	51	WG	2	oz/a	PRE	A					
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
4	*TTI - nozzles					POST	B					
4	MON 76832	3	SL	1.5	qt/a	POST	B					
4	Flexstar	1.88	L	1	pt/a	POST	B					
4	Warrant	3	L	3	pt/a	POST	B					
4	Strike Force		L	0.5	% v/v	POST	B					
5	RR2 Xtend soybean							0	98	99	99	93
5	*AI XR - nozzles					PRE	A					
5	Rowel	51	WG	2	oz/a	PRE	A					
5	*AI XR - nozzles					POST	B					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	AMS		WG	17	lb/100 gal	POST	B					
6	RR2 Xtend soybean							0	98	99	99	93
6	*AI XR - nozzles					PRE	A					
6	Rowel	51	WG	2	oz/a	PRE	A					
6	*AI XR - nozzles					POST	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
6	Cobra	2	L	10	fl oz/a	POST	B					
6	Surfactant		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code								control	control	control	control	
Rating Data Type								percent	percent	percent	percent	
Rating Unit								Jul/06/2015	Jul/06/2015	Jul/06/2015	Jul/06/2015	
Rating Date								0 DA-B	0 DA-B	0 DA-B	0 DA-B	
Trt-Eval Interval								0	0	0	0	
# Subsamples, Dec.								0	0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
7	RR2 Xtend soybean							0	96	99	99	
7	*AI XR - nozzles					PRE	A				93	
7	Rowel	51	WG	2	oz/a	PRE	A					
7	*AI XR - nozzles					POST	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Cobra	2	L	10	fl oz/a	POST	B					
7	Warrant	3	L	3	pt/a	POST	B					
7	Surfactant		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					
8	RR2 Xtend soybean							1	99	98	99	
8	*AI XR - nozzles					PRE	A				96	
8	Rowel	51	WG	2	oz/a	PRE	A					
8	*AI XR - nozzles					POST	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Flexstar	1.88	L	1	pt/a	POST	B					
8	Warrant	3	L	3	pt/a	POST	B					
8	Surfactant		L	0.25	% v/v	POST	B					
8	AMS		WG	17	lb/100 gal	POST	B					
9	LibertyLink soybean							0	99	99	99	
9	*AI XR - nozzles					PRE	A				96	
9	Rowel	51	WG	2	oz/a	PRE	A					
9	*AI XR - nozzles					POST	B					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	LibertyLink soybean							0	99	99	99	
10	*AI XR - nozzles					PRE	A				94	
10	Rowel	51	WG	2	oz/a	PRE	A					
10	*AI XR - nozzles					POST	B					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	*AI XR - nozzles					LPOS	C					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					
11	LibertyLink soybean							0	98	99	99	
11	*AI XR - nozzles					PRE	A				93	
11	Rowel	51	WG	2	oz/a	PRE	A					
11	*AI XR - nozzles					POST	B					
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	Warrant	3	L	3	pt/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	LibertyLink soybean							0	98	99	99	
12	*AI XR - nozzles					PRE	A				95	
12	Rowel	51	WG	2	oz/a	PRE	A					
12	*AI XR - nozzles					POST	B					
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	Flexstar	1.88	L	1	pt/a	POST	B					
12	Warrant	3	L	3	pt/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								1.2	2.4	0.8	0.0	7.0
CV								240.9	1.68	0.58	0.0	5.11

Means followed by same letter do not significantly differ (P=.05, LSD)

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Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/06/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015
Rating Date								0 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	RR2 Xtend soybean							98	0	99	99	99
1	*TTI - nozzles					PRE	A					
1	Rowel	51	WG	2	oz/a	PRE	A					
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
1	*TTI - nozzles					POST	B					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	RR2 Xtend soybean							98	0	99	99	99
2	*TTI - nozzles					PRE	A					
2	Rowel	51	WG	2	oz/a	PRE	A					
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
2	*TTI - nozzles					POST	B					
2	MON 76832	3	SL	1.5	qt/a	POST	B					
2	Strike Force		L	0.5	% v/v	POST	B					
3	RR2 Xtend soybean							99	0	99	99	99
3	*TTI - nozzles					PRE	A					
3	Rowel	51	WG	2	oz/a	PRE	A					
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
3	*TTI - nozzles					POST	B					
3	MON 76832	3	SL	1.5	qt/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Strike Force		L	0.5	% v/v	POST	B					
4	RR2 Xtend soybean							98	16	99	99	99
4	*TTI - nozzles					PRE	A					
4	Rowel	51	WG	2	oz/a	PRE	A					
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
4	*TTI - nozzles					POST	B					
4	MON 76832	3	SL	1.5	qt/a	POST	B					
4	Flexstar	1.88	L	1	pt/a	POST	B					
4	Warrant	3	L	3	pt/a	POST	B					
4	Strike Force		L	0.5	% v/v	POST	B					
5	RR2 Xtend soybean							99	0	99	99	99
5	*AI XR - nozzles					PRE	A					
5	Rowel	51	WG	2	oz/a	PRE	A					
5	*AI XR - nozzles					POST	B					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	AMS		WG	17	lb/100 gal	POST	B					
6	RR2 Xtend soybean							98	21	99	99	99
6	*AI XR - nozzles					PRE	A					
6	Rowel	51	WG	2	oz/a	PRE	A					
6	*AI XR - nozzles					POST	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
6	Cobra	2	L	10	fl oz/a	POST	B					
6	Surfactant		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					

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Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/06/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015	Jul/13/2015
Rating Date								0 DA-B	7 DA-B	7 DA-B	7 DA-B	7 DA-B
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
7	RR2 Xtend soybean							99	21	99	99	99
7	*AI XR - nozzles					PRE	A					
7	Rowel	51	WG	2	oz/a	PRE	A					
7	*AI XR - nozzles					POST	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Cobra	2	L	10	fl oz/a	POST	B					
7	Warrant	3	L	3	pt/a	POST	B					
7	Surfactant		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					
8	RR2 Xtend soybean							99	13	99	99	99
8	*AI XR - nozzles					PRE	A					
8	Rowel	51	WG	2	oz/a	PRE	A					
8	*AI XR - nozzles					POST	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Flexstar	1.88	L	1	pt/a	POST	B					
8	Warrant	3	L	3	pt/a	POST	B					
8	Surfactant		L	0.25	% v/v	POST	B					
8	AMS		WG	17	lb/100 gal	POST	B					
9	LibertyLink soybean							99	3	99	99	99
9	*AI XR - nozzles					PRE	A					
9	Rowel	51	WG	2	oz/a	PRE	A					
9	*AI XR - nozzles					POST	B					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	LibertyLink soybean							99	3	99	99	99
10	*AI XR - nozzles					PRE	A					
10	Rowel	51	WG	2	oz/a	PRE	A					
10	*AI XR - nozzles					POST	B					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	*AI XR - nozzles					LPOS	C					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					
11	LibertyLink soybean							99	5	99	99	99
11	*AI XR - nozzles					PRE	A					
11	Rowel	51	WG	2	oz/a	PRE	A					
11	*AI XR - nozzles					POST	B					
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	Warrant	3	L	3	pt/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	LibertyLink soybean							98	15	99	99	99
12	*AI XR - nozzles					PRE	A					
12	Rowel	51	WG	2	oz/a	PRE	A					
12	*AI XR - nozzles					POST	B					
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	Flexstar	1.88	L	1	pt/a	POST	B					
12	Warrant	3	L	3	pt/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								1.8	2.2	0.0	0.4	0.0
CV								1.26	18.95	0.0	0.29	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

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Crop Code		control		control		injury		control		control	
Rating Data Type		percent		percent		percent		percent		percent	
Rating Unit		Jul/13/2015		Jul/13/2015		Jul/20/2015		Jul/20/2015		Jul/20/2015	
Rating Date		7 DA-B		7 DA-B		14 DA-B		14 DA-B		14 DA-B	
Trt-Eval Interval		0		0		0		0		0	
# Subsamples, Dec.											
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	RR2 Xtend soybean							99	99	0	99
1	*TTI - nozzles					PRE	A				
1	Rowel	51	WG	2	oz/a	PRE	A				
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
1	*TTI - nozzles					POST	B				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
1	AMS		WG	17	lb/100 gal	POST	B				
2	RR2 Xtend soybean							99	99	0	99
2	*TTI - nozzles					PRE	A				
2	Rowel	51	WG	2	oz/a	PRE	A				
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
2	*TTI - nozzles					POST	B				
2	MON 76832	3	SL	1.5	qt/a	POST	B				
2	Strike Force		L	0.5	% v/v	POST	B				
3	RR2 Xtend soybean							99	99	0	99
3	*TTI - nozzles					PRE	A				
3	Rowel	51	WG	2	oz/a	PRE	A				
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
3	*TTI - nozzles					POST	B				
3	MON 76832	3	SL	1.5	qt/a	POST	B				
3	Warrant	3	L	3	pt/a	POST	B				
3	Strike Force		L	0.5	% v/v	POST	B				
4	RR2 Xtend soybean							99	99	4	99
4	*TTI - nozzles					PRE	A				
4	Rowel	51	WG	2	oz/a	PRE	A				
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
4	*TTI - nozzles					POST	B				
4	MON 76832	3	SL	1.5	qt/a	POST	B				
4	Flexstar	1.88	L	1	pt/a	POST	B				
4	Warrant	3	L	3	pt/a	POST	B				
4	Strike Force		L	0.5	% v/v	POST	B				
5	RR2 Xtend soybean							96	99	0	97
5	*AI XR - nozzles					PRE	A				
5	Rowel	51	WG	2	oz/a	PRE	A				
5	*AI XR - nozzles					POST	B				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
5	AMS		WG	17	lb/100 gal	POST	B				
6	RR2 Xtend soybean							98	99	7	99
6	*AI XR - nozzles					PRE	A				
6	Rowel	51	WG	2	oz/a	PRE	A				
6	*AI XR - nozzles					POST	B				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
6	Cobra	2	L	10	fl oz/a	POST	B				
6	Surfactant		L	0.25	% v/v	POST	B				
6	AMS		WG	17	lb/100 gal	POST	B				

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Rating Data Type						percent	percent	percent	percent	percent		
Rating Unit						Jul/13/2015	Jul/13/2015	Jul/20/2015	Jul/20/2015	Jul/20/2015		
Rating Date						7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B		
Trt-Eval Interval						0	0	0	0	0		
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
7	RR2 Xtend soybean							99	99	8	99	99
7	*AI XR - nozzles					PRE	A					
7	Rowel	51	WG	2	oz/a	PRE	A					
7	*AI XR - nozzles					POST	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Cobra	2	L	10	fl oz/a	POST	B					
7	Warrant	3	L	3	pt/a	POST	B					
7	Surfactant		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					
8	RR2 Xtend soybean							99	99	4	99	99
8	*AI XR - nozzles					PRE	A					
8	Rowel	51	WG	2	oz/a	PRE	A					
8	*AI XR - nozzles					POST	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Flexstar	1.88	L	1	pt/a	POST	B					
8	Warrant	3	L	3	pt/a	POST	B					
8	Surfactant		L	0.25	% v/v	POST	B					
8	AMS		WG	17	lb/100 gal	POST	B					
9	LibertyLink soybean							99	99	0	99	99
9	*AI XR - nozzles					PRE	A					
9	Rowel	51	WG	2	oz/a	PRE	A					
9	*AI XR - nozzles					POST	B					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	LibertyLink soybean							99	99	0	99	99
10	*AI XR - nozzles					PRE	A					
10	Rowel	51	WG	2	oz/a	PRE	A					
10	*AI XR - nozzles					POST	B					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	*AI XR - nozzles					LPOS	C					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					
11	LibertyLink soybean							99	99	0	99	99
11	*AI XR - nozzles					PRE	A					
11	Rowel	51	WG	2	oz/a	PRE	A					
11	*AI XR - nozzles					POST	B					
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	Warrant	3	L	3	pt/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	LibertyLink soybean							99	99	3	99	99
12	*AI XR - nozzles					PRE	A					
12	Rowel	51	WG	2	oz/a	PRE	A					
12	*AI XR - nozzles					POST	B					
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	Flexstar	1.88	L	1	pt/a	POST	B					
12	Warrant	3	L	3	pt/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								2.0	0.0	2.4	1.3	0.0
CV								1.38	0.0	77.97	0.93	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code								AMAPO	AMBEL	HIBTR	GLXMA	ANGR
Crop Code								control	control	control	injury	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/20/2015	Jul/20/2015	Jul/20/2015	Aug/06/2015	Aug/06/2015
Rating Date								14 DA-B	14 DA-B	14 DA-B	14 DA-C	14 DA-C
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	RR2 Xtend soybean							99	99	99	0	99
1	*TTI - nozzles					PRE	A					
1	Rowel	51	WG	2	oz/a	PRE	A					
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
1	*TTI - nozzles					POST	B					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	RR2 Xtend soybean							99	99	99	0	99
2	*TTI - nozzles					PRE	A					
2	Rowel	51	WG	2	oz/a	PRE	A					
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
2	*TTI - nozzles					POST	B					
2	MON 76832	3	SL	1.5	qt/a	POST	B					
2	Strike Force		L	0.5	% v/v	POST	B					
3	RR2 Xtend soybean							99	99	99	0	99
3	*TTI - nozzles					PRE	A					
3	Rowel	51	WG	2	oz/a	PRE	A					
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
3	*TTI - nozzles					POST	B					
3	MON 76832	3	SL	1.5	qt/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Strike Force		L	0.5	% v/v	POST	B					
4	RR2 Xtend soybean							99	99	99	0	99
4	*TTI - nozzles					PRE	A					
4	Rowel	51	WG	2	oz/a	PRE	A					
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
4	*TTI - nozzles					POST	B					
4	MON 76832	3	SL	1.5	qt/a	POST	B					
4	Flexstar	1.88	L	1	pt/a	POST	B					
4	Warrant	3	L	3	pt/a	POST	B					
4	Strike Force		L	0.5	% v/v	POST	B					
5	RR2 Xtend soybean							99	99	99	0	98
5	*AI XR - nozzles					PRE	A					
5	Rowel	51	WG	2	oz/a	PRE	A					
5	*AI XR - nozzles					POST	B					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	AMS		WG	17	lb/100 gal	POST	B					
6	RR2 Xtend soybean							99	99	99	0	99
6	*AI XR - nozzles					PRE	A					
6	Rowel	51	WG	2	oz/a	PRE	A					
6	*AI XR - nozzles					POST	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
6	Cobra	2	L	10	fl oz/a	POST	B					
6	Surfactant		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code								AMAPO	AMBEL	HIBTR	GLXMA	ANGR
Crop Code								control	control	control	injury	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/20/2015	Jul/20/2015	Jul/20/2015	Aug/06/2015	Aug/06/2015
Rating Date								14 DA-B	14 DA-B	14 DA-B	14 DA-C	14 DA-C
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
7	RR2 Xtend soybean							99	99	98	0	99
7	*AI XR - nozzles					PRE	A					
7	Rowel	51	WG	2	oz/a	PRE	A					
7	*AI XR - nozzles					POST	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Cobra	2	L	10	fl oz/a	POST	B					
7	Warrant	3	L	3	pt/a	POST	B					
7	Surfactant		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					
8	RR2 Xtend soybean							99	99	99	0	99
8	*AI XR - nozzles					PRE	A					
8	Rowel	51	WG	2	oz/a	PRE	A					
8	*AI XR - nozzles					POST	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Flexstar	1.88	L	1	pt/a	POST	B					
8	Warrant	3	L	3	pt/a	POST	B					
8	Surfactant		L	0.25	% v/v	POST	B					
8	AMS		WG	17	lb/100 gal	POST	B					
9	LibertyLink soybean							99	99	99	0	99
9	*AI XR - nozzles					PRE	A					
9	Rowel	51	WG	2	oz/a	PRE	A					
9	*AI XR - nozzles					POST	B					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	LibertyLink soybean							99	98	99	0	99
10	*AI XR - nozzles					PRE	A					
10	Rowel	51	WG	2	oz/a	PRE	A					
10	*AI XR - nozzles					POST	B					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	*AI XR - nozzles					LPOS	C					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					
11	LibertyLink soybean							99	99	99	0	99
11	*AI XR - nozzles					PRE	A					
11	Rowel	51	WG	2	oz/a	PRE	A					
11	*AI XR - nozzles					POST	B					
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	Warrant	3	L	3	pt/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	LibertyLink soybean							99	99	99	0	99
12	*AI XR - nozzles					PRE	A					
12	Rowel	51	WG	2	oz/a	PRE	A					
12	*AI XR - nozzles					POST	B					
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	Flexstar	1.88	L	1	pt/a	POST	B					
12	Warrant	3	L	3	pt/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								0.0	1.3	0.7	0.0	0.9
CV								0.0	0.9	0.49	0.0	0.64

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code								CHEAL	AMAPO	AMBEL	HIBTR
Crop Code											
Rating Data Type								control	control	control	control
Rating Unit								percent	percent	percent	percent
Rating Date								Aug/06/2015	Aug/06/2015	Aug/06/2015	Aug/06/2015
Trt-Eval Interval								14 DA-C	14 DA-C	14 DA-C	14 DA-C
# Subsamples, Dec.								0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	RR2 Xtend soybean							99	99	99	99
1	*TTI - nozzles					PRE	A				
1	Rowel	51	WG	2	oz/a	PRE	A				
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
1	*TTI - nozzles					POST	B				
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
1	AMS		WG	17	lb/100 gal	POST	B				
2	RR2 Xtend soybean							99	99	99	99
2	*TTI - nozzles					PRE	A				
2	Rowel	51	WG	2	oz/a	PRE	A				
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
2	*TTI - nozzles					POST	B				
2	MON 76832	3	SL	1.5	qt/a	POST	B				
2	Strike Force		L	0.5	% v/v	POST	B				
3	RR2 Xtend soybean							99	99	99	99
3	*TTI - nozzles					PRE	A				
3	Rowel	51	WG	2	oz/a	PRE	A				
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
3	*TTI - nozzles					POST	B				
3	MON 76832	3	SL	1.5	qt/a	POST	B				
3	Warrant	3	L	3	pt/a	POST	B				
3	Strike Force		L	0.5	% v/v	POST	B				
4	RR2 Xtend soybean							99	99	99	99
4	*TTI - nozzles					PRE	A				
4	Rowel	51	WG	2	oz/a	PRE	A				
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A				
4	*TTI - nozzles					POST	B				
4	MON 76832	3	SL	1.5	qt/a	POST	B				
4	Flexstar	1.88	L	1	pt/a	POST	B				
4	Warrant	3	L	3	pt/a	POST	B				
4	Strike Force		L	0.5	% v/v	POST	B				
5	RR2 Xtend soybean							99	99	99	99
5	*AI XR - nozzles					PRE	A				
5	Rowel	51	WG	2	oz/a	PRE	A				
5	*AI XR - nozzles					POST	B				
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
5	AMS		WG	17	lb/100 gal	POST	B				
6	RR2 Xtend soybean							99	99	99	99
6	*AI XR - nozzles					PRE	A				
6	Rowel	51	WG	2	oz/a	PRE	A				
6	*AI XR - nozzles					POST	B				
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B				
6	Cobra	2	L	10	fl oz/a	POST	B				
6	Surfactant		L	0.25	% v/v	POST	B				
6	AMS		WG	17	lb/100 gal	POST	B				

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code				
Rating Data Type	control	control	control	control
Rating Unit	percent	percent	percent	percent
Rating Date	Aug/06/2015	Aug/06/2015	Aug/06/2015	Aug/06/2015
Trt-Eval Interval	14 DA-C	14 DA-C	14 DA-C	14 DA-C
# Subsamples, Dec.	0	0	0	0
7 RR2 Xtend soybean	99	99	99	99
7 *AI XR - nozzles				
7 Rowel				
7 *AI XR - nozzles				
7 Roundup PowerMax				
7 Cobra				
7 Warrant				
7 Surfactant				
7 AMS				
8 RR2 Xtend soybean	99	99	99	99
8 *AI XR - nozzles				
8 Rowel				
8 *AI XR - nozzles				
8 Roundup PowerMax				
8 Flexstar				
8 Warrant				
8 Surfactant				
8 AMS				
9 LibertyLink soybean	99	99	98	99
9 *AI XR - nozzles				
9 Rowel				
9 *AI XR - nozzles				
9 Liberty				
9 AMS				
10 LibertyLink soybean	99	99	99	99
10 *AI XR - nozzles				
10 Rowel				
10 *AI XR - nozzles				
10 Liberty				
10 AMS				
10 *AI XR - nozzles				
10 Liberty				
10 AMS				
11 LibertyLink soybean	99	99	97	99
11 *AI XR - nozzles				
11 Rowel				
11 *AI XR - nozzles				
11 Liberty				
11 Warrant				
11 AMS				
12 LibertyLink soybean	99	99	99	99
12 *AI XR - nozzles				
12 Rowel				
12 *AI XR - nozzles				
12 Liberty				
12 Flexstar				
12 Warrant				
12 AMS				
LSD (P=.05)	0.0	0.0	2.0	0.2
CV	0.0	0.0	1.39	0.15

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code								ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code								control	control	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Oct/08/2015	Oct/08/2015	Oct/08/2015	Oct/08/2015	Oct/08/2015
Rating Date								77 DA-C	77 DA-C	77 DA-C	77 DA-C	77 DA-C
Trt-Eval Interval								0	0	0	0	0
# Subsamples, Dec.												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	RR2 Xtend soybean							99	99	99	99	99
1	*TTI - nozzles					PRE	A					
1	Rowel	51	WG	2	oz/a	PRE	A					
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
1	*TTI - nozzles					POST	B					
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	AMS		WG	17	lb/100 gal	POST	B					
2	RR2 Xtend soybean							99	99	99	99	99
2	*TTI - nozzles					PRE	A					
2	Rowel	51	WG	2	oz/a	PRE	A					
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
2	*TTI - nozzles					POST	B					
2	MON 76832	3	SL	1.5	qt/a	POST	B					
2	Strike Force		L	0.5	% v/v	POST	B					
3	RR2 Xtend soybean							99	99	99	99	99
3	*TTI - nozzles					PRE	A					
3	Rowel	51	WG	2	oz/a	PRE	A					
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
3	*TTI - nozzles					POST	B					
3	MON 76832	3	SL	1.5	qt/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Strike Force		L	0.5	% v/v	POST	B					
4	RR2 Xtend soybean							99	99	99	99	99
4	*TTI - nozzles					PRE	A					
4	Rowel	51	WG	2	oz/a	PRE	A					
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A					
4	*TTI - nozzles					POST	B					
4	MON 76832	3	SL	1.5	qt/a	POST	B					
4	Flexstar	1.88	L	1	pt/a	POST	B					
4	Warrant	3	L	3	pt/a	POST	B					
4	Strike Force		L	0.5	% v/v	POST	B					
5	RR2 Xtend soybean							99	99	99	99	99
5	*AI XR - nozzles					PRE	A					
5	Rowel	51	WG	2	oz/a	PRE	A					
5	*AI XR - nozzles					POST	B					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	AMS		WG	17	lb/100 gal	POST	B					
6	RR2 Xtend soybean							99	99	99	99	99
6	*AI XR - nozzles					PRE	A					
6	Rowel	51	WG	2	oz/a	PRE	A					
6	*AI XR - nozzles					POST	B					
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
6	Cobra	2	L	10	fl oz/a	POST	B					
6	Surfactant		L	0.25	% v/v	POST	B					
6	AMS		WG	17	lb/100 gal	POST	B					

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code								ANGR	CHEAL	AMAPO	AMBEL	HIBTR
Crop Code												
Rating Data Type								control	control	control	control	control
Rating Unit								percent	percent	percent	percent	percent
Rating Date								Oct/08/2015	Oct/08/2015	Oct/08/2015	Oct/08/2015	Oct/08/2015
Trt-Eval Interval								77 DA-C	77 DA-C	77 DA-C	77 DA-C	77 DA-C
# Subsamples, Dec.								0	0	0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
7	RR2 Xtend soybean							99	99	99	99	99
7	*AI XR - nozzles					PRE	A					
7	Rowel	51	WG	2	oz/a	PRE	A					
7	*AI XR - nozzles					POST	B					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Cobra	2	L	10	fl oz/a	POST	B					
7	Warrant	3	L	3	pt/a	POST	B					
7	Surfactant		L	0.25	% v/v	POST	B					
7	AMS		WG	17	lb/100 gal	POST	B					
8	RR2 Xtend soybean							99	99	99	99	99
8	*AI XR - nozzles					PRE	A					
8	Rowel	51	WG	2	oz/a	PRE	A					
8	*AI XR - nozzles					POST	B					
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Flexstar	1.88	L	1	pt/a	POST	B					
8	Warrant	3	L	3	pt/a	POST	B					
8	Surfactant		L	0.25	% v/v	POST	B					
8	AMS		WG	17	lb/100 gal	POST	B					
9	LibertyLink soybean							96	99	99	99	99
9	*AI XR - nozzles					PRE	A					
9	Rowel	51	WG	2	oz/a	PRE	A					
9	*AI XR - nozzles					POST	B					
9	Liberty	2.34	L	29	fl oz/a	POST	B					
9	AMS		WG	8.5	lb/100 gal	POST	B					
10	LibertyLink soybean							99	99	99	99	99
10	*AI XR - nozzles					PRE	A					
10	Rowel	51	WG	2	oz/a	PRE	A					
10	*AI XR - nozzles					POST	B					
10	Liberty	2.34	L	29	fl oz/a	POST	B					
10	AMS		WG	8.5	lb/100 gal	POST	B					
10	*AI XR - nozzles					LPOS	C					
10	Liberty	2.34	L	29	fl oz/a	LPOS	C					
10	AMS		WG	8.5	lb/100 gal	LPOS	C					
11	LibertyLink soybean							99	98	99	96	99
11	*AI XR - nozzles					PRE	A					
11	Rowel	51	WG	2	oz/a	PRE	A					
11	*AI XR - nozzles					POST	B					
11	Liberty	2.34	L	29	fl oz/a	POST	B					
11	Warrant	3	L	3	pt/a	POST	B					
11	AMS		WG	8.5	lb/100 gal	POST	B					
12	LibertyLink soybean							99	99	99	99	99
12	*AI XR - nozzles					PRE	A					
12	Rowel	51	WG	2	oz/a	PRE	A					
12	*AI XR - nozzles					POST	B					
12	Liberty	2.34	L	29	fl oz/a	POST	B					
12	Flexstar	1.88	L	1	pt/a	POST	B					
12	Warrant	3	L	3	pt/a	POST	B					
12	AMS		WG	8.5	lb/100 gal	POST	B					
LSD (P=.05)								2.4	0.8	0.0	2.3	0.0
CV								1.68	0.58	0.0	1.61	0.0

Means followed by same letter do not significantly differ (P=.05, LSD)

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code
 Crop Code
 Rating Data Type GLXMA moisture GLXMA yield
 Rating Unit percent bu/acre
 Rating Date Oct/27/2015 Oct/27/2015
 Trt-Eval Interval 96 DA-C at 13% M
 # Subsamples, Dec. 1 1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code		
1	RR2 Xtend soybean							14.9	77.5
1	*TTI - nozzles					PRE	A		
1	Rowel	51	WG	2	oz/a	PRE	A		
1	MON 119096	2.91	SL	22	fl oz/a	PRE	A		
1	*TTI - nozzles					POST	B		
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B		
1	AMS		WG	17	lb/100 gal	POST	B		
2	RR2 Xtend soybean							14.9	77.7
2	*TTI - nozzles					PRE	A		
2	Rowel	51	WG	2	oz/a	PRE	A		
2	MON 119096	2.91	SL	22	fl oz/a	PRE	A		
2	*TTI - nozzles					POST	B		
2	MON 76832	3	SL	1.5	qt/a	POST	B		
2	Strike Force		L	0.5	% v/v	POST	B		
3	RR2 Xtend soybean							14.8	77.3
3	*TTI - nozzles					PRE	A		
3	Rowel	51	WG	2	oz/a	PRE	A		
3	MON 119096	2.91	SL	22	fl oz/a	PRE	A		
3	*TTI - nozzles					POST	B		
3	MON 76832	3	SL	1.5	qt/a	POST	B		
3	Warrant	3	L	3	pt/a	POST	B		
3	Strike Force		L	0.5	% v/v	POST	B		
4	RR2 Xtend soybean							14.6	71.1
4	*TTI - nozzles					PRE	A		
4	Rowel	51	WG	2	oz/a	PRE	A		
4	MON 119096	2.91	SL	22	fl oz/a	PRE	A		
4	*TTI - nozzles					POST	B		
4	MON 76832	3	SL	1.5	qt/a	POST	B		
4	Flexstar	1.88	L	1	pt/a	POST	B		
4	Warrant	3	L	3	pt/a	POST	B		
4	Strike Force		L	0.5	% v/v	POST	B		
5	RR2 Xtend soybean							15.0	77.5
5	*AI XR - nozzles					PRE	A		
5	Rowel	51	WG	2	oz/a	PRE	A		
5	*AI XR - nozzles					POST	B		
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B		
5	AMS		WG	17	lb/100 gal	POST	B		
6	RR2 Xtend soybean							14.7	72.2
6	*AI XR - nozzles					PRE	A		
6	Rowel	51	WG	2	oz/a	PRE	A		
6	*AI XR - nozzles					POST	B		
6	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B		
6	Cobra	2	L	10	fl oz/a	POST	B		
6	Surfactant		L	0.25	% v/v	POST	B		
6	AMS		WG	17	lb/100 gal	POST	B		

MSU Weed Science Research Program

Comparison of Roundup Xtend and LibertyLink soybean systems

Trial ID: SOY14-15 Study Dir.: Sprague, Hill, Powell
 Conducted: Campus B-10 Quonset Investigator: Christy Sprague

Weed Code
 Crop Code
 Rating Data Type GLXMA moisture GLXMA yield
 Rating Unit percent bu/acre
 Rating Date Oct/27/2015 Oct/27/2015
 Trt-Eval Interval 96 DA-C at 13% M
 # Subsamples, Dec. 1 1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code		
7	RR2 Xtend soybean							14.8	71.5
7	*AI XR - nozzles					PRE	A		
7	Rowel	51	WG	2	oz/a	PRE	A		
7	*AI XR - nozzles					POST	B		
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B		
7	Cobra	2	L	10	fl oz/a	POST	B		
7	Warrant	3	L	3	pt/a	POST	B		
7	Surfactant		L	0.25	% v/v	POST	B		
7	AMS		WG	17	lb/100 gal	POST	B		
8	RR2 Xtend soybean							15.1	73.3
8	*AI XR - nozzles					PRE	A		
8	Rowel	51	WG	2	oz/a	PRE	A		
8	*AI XR - nozzles					POST	B		
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B		
8	Flexstar	1.88	L	1	pt/a	POST	B		
8	Warrant	3	L	3	pt/a	POST	B		
8	Surfactant		L	0.25	% v/v	POST	B		
8	AMS		WG	17	lb/100 gal	POST	B		
9	LibertyLink soybean							15.1	72.1
9	*AI XR - nozzles					PRE	A		
9	Rowel	51	WG	2	oz/a	PRE	A		
9	*AI XR - nozzles					POST	B		
9	Liberty	2.34	L	29	fl oz/a	POST	B		
9	AMS		WG	8.5	lb/100 gal	POST	B		
10	LibertyLink soybean							15.1	72.8
10	*AI XR - nozzles					PRE	A		
10	Rowel	51	WG	2	oz/a	PRE	A		
10	*AI XR - nozzles					POST	B		
10	Liberty	2.34	L	29	fl oz/a	POST	B		
10	AMS		WG	8.5	lb/100 gal	POST	B		
10	*AI XR - nozzles					LPOS	C		
10	Liberty	2.34	L	29	fl oz/a	LPOS	C		
10	AMS		WG	8.5	lb/100 gal	LPOS	C		
11	LibertyLink soybean							15.1	70.2
11	*AI XR - nozzles					PRE	A		
11	Rowel	51	WG	2	oz/a	PRE	A		
11	*AI XR - nozzles					POST	B		
11	Liberty	2.34	L	29	fl oz/a	POST	B		
11	Warrant	3	L	3	pt/a	POST	B		
11	AMS		WG	8.5	lb/100 gal	POST	B		
12	LibertyLink soybean							15.1	70.1
12	*AI XR - nozzles					PRE	A		
12	Rowel	51	WG	2	oz/a	PRE	A		
12	*AI XR - nozzles					POST	B		
12	Liberty	2.34	L	29	fl oz/a	POST	B		
12	Flexstar	1.88	L	1	pt/a	POST	B		
12	Warrant	3	L	3	pt/a	POST	B		
12	AMS		WG	8.5	lb/100 gal	POST	B		
LSD (P=.05)								0.63	6.59
CV								2.9	6.2

Means followed by same letter do not significantly differ (P=.05, LSD)