

MSU Weed Science Research Program

Weed control systems in Roundup Ready soybean

Trial ID: SOY01-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-12 Investigator: Christy Sprague

Date Planted: May/06/2015 Row Spacing: 30 IN
 Variety: Asgrow 2433RR No. of Reps: 4
 Population: 150,000 seeds/A % OM: 3.7
 Soil Type: Loam pH: 7.4
 Plot Size: 10 X 30 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow; spring soil finish twice

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.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
4.	ABUTH	VELVETLEAF	ABUTILON THEOPHRASTI MEDIK.
Crop	Code	Common Name	
1.	GLXMA	SOYBEAN	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May/07/2015	Jun/19/2015
Time Treated:	9:20 AM	3:00 PM
% Cloud Cover:	5	40
Air Temp., Unit:	71 F	70 F
% Relative Humidity:	70	54
Wind Speed/Unit/Dir:	3 mph E	5 mph N
Soil Temp., Unit:	55 F	72 F
Soil/Leaf Surface M:	5 -	3 5
Soil Moist (1=w 5=d):	4	2

Crop Stage at Each Application

	A	B
Crop Name:	GLXMA	GLXMA
Height (In.):	-	12"
Stage (L):	-	V5

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height (In.):	-	6-12"
Stage (L):	-	3-6
Weed 2 Name:	CHEAL	CHEAL
Height (In.):	-	6"
Stage (L):	-	8-10
Weed 3 Name:	AMBEL	AMBEL
Height (In.):	-	5-9"
Stage (L):	-	6-10
Weed 4 Name:	ABUTH	ABUTH
Height (In.):	-	6-10"
Stage (L):	-	5-8

Weed Density (plants/sq. ft.)

	1	2	3	4
Date:	Jun/09/2015	Jun/09/2015	Jun/09/2015	Jun/09/2015
Weed Name:	ANGR	CHEAL	AMBEL	ABUTH
Density:	47	8	35	<1

Application Equipment

Appl	Sprayer Type	Speed MPH	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	GPA	Carrier	PSI
A	Cub	3.8	AIXR	11003	20"	20"	80"	19	Water	28
B	Cub	3.8	AIXR	11003	28"	20"	100"	19	Water	28

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Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	# Subsamples, Dec.	GLXMA injury percent	GLXMA injury percent	ANGR control percent	CHEAL control percent	AMBEL control percent	
							Jun/03/2015	Jun/19/2015	Jun/19/2015	Jun/19/2015	Jun/19/2015	
							27 DA-A	0 DA-B	0 DA-B	0 DA-B	0 DA-B	
							0	0	0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	Rowel	51	WG	2.5	oz/a	PRE	A	14	0	28	99	71
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	Warrant	3	L	3	pt/a	POST	B					
1	Flexstar	1.88	L	1	pt/a	POST	B					
1	Class Act NG		L	2.5	% v/v	POST	B					
2	Rowel FX	40.3	WG	4	oz/a	PRE	A	18	19	80	99	82
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
2	Warrant	3	L	3	pt/a	POST	B					
2	Flexstar	1.88	L	1	pt/a	POST	B					
2	Class Act NG		L	2.5	% v/v	POST	B					
3	Rowel	51	WG	2	oz/a	PRE	A	30	4	66	99	66
3	Warrant	3	L	3	pt/a	PRE	A					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Flexstar	1.88	L	1	pt/a	POST	B					
3	Class Act NG		L	2.5	% v/v	POST	B					
4	Warrant	3	L	3	pt/a	PRE	A	3	0	82	80	88
4	Reflex	2	L	1	pt/a	PRE	A					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
4	Cobra	2	L	10	fl oz/a	POST	B					
4	Class Act NG		L	2.5	% v/v	POST	B					
5	Warrant	3	L	3	pt/a	PRE	A	5	0	76	99	28
5	Metribuzin	75	WG	5	oz/a	PRE	A					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	Flexstar	1.88	L	1	pt/a	POST	B					
5	Class Act NG		L	2.5	% v/v	POST	B					
6	Untreated							0	0	0	0	0
7	Warrant	3	L	3	pt/a	PRE	A	13	4	82	99	75
7	Authority First	70	WG	5	oz/a	PRE	A					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Flexstar	1.88	L	1	pt/a	POST	B					
7	Class Act NG		L	2.5	% v/v	POST	B					
8	Authority MAXX	66	WG	5	oz/a	PRE	A	8	5	81	99	3
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Cadet	0.91	L	0.5	fl oz/a	POST	B					
8	Class Act NG		L	2.5	% v/v	POST	B					
9	Fierce	76	WG	3	oz/a	PRE	A	18	2	83	99	85
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
9	Cobra	2	L	10	fl oz/a	POST	B					
9	Class Act NG		L	2.5	% v/v	POST	B					
10	Zidua	85	WG	2.5	oz/a	PRE	A	6	1	92	98	30
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
10	Ultra Blazer	2	L	1	pt/a	POST	B					
10	Class Act NG		L	2.5	% v/v	POST	B					
11	Verdict	5.57	L	5	fl oz/a	PRE	A	6	0	33	0	0
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	Ultra Blazer	2	L	1	pt/a	POST	B					
11	Class Act NG		L	2.5	% v/v	POST	B					

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Weed Code								GLXMA	GLXMA	ANGR	CHEAL	AMBEL
Crop Code								injury	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/03/2015	Jun/19/2015	Jun/19/2015	Jun/19/2015	Jun/19/2015
Rating Date								27 DA-A	0 DA-B	0 DA-B	0 DA-B	0 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					
12	BroadAxe XC	7	L	25	fl oz/a	PRE	A	15	0	99	99	0
12	Flexstar GT	2.82	L	3.5	pt/a	POST	B					
12	Class Act NG		L	2.5	% v/v	POST	B					
13	Boundary	6.5	L	1.5	pt/a	PRE	A	12	0	97	98	28
13	Touchdown Total	4.17	SL	34	fl oz/a	POST	B					
13	Prefix	5.29	L	2	pt/a	POST	B					
13	Class Act NG		L	2.5	% v/v	POST	B					
14	Trivence	61.3	WG	6	oz/a	PRE	A	15	11	79	99	81
14	Abundit Extra	3	SL	32	fl oz/a	POST	B					
14	Warrant	3	L	3	pt/a	POST	B					
14	Cobra	2	L	10	fl oz/a	POST	B					
14	Class Act NG		L	2.5	% v/v	POST	B					
15	Warrant	3	L	3	pt/a	PRE	A	5	0	66	99	23
15	Metribuzin	75	WG	5	oz/a	PRE	A					
15	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
15	Warrant	3	L	3	pt/a	POST	B					
15	Flexstar	1.88	L	1	pt/a	POST	B					
15	Class Act NG		L	2.5	% v/v	POST	B					
LSD (P=.05)								8.2	1.8	5.8	1.8	7.5
CV								51.63	41.38	5.88	1.5	12.04

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

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Weed Code								ABUTH	GLXMA	ANGR	CHEAL	AMBEL
Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/19/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015
Rating Date								0 DA-B	13 DA-B	13 DA-B	13 DA-B	13 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	Rowel	51	WG	2.5	oz/a	PRE	A	99	13	98	99	99
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	Warrant	3	L	3	pt/a	POST	B					
1	Flexstar	1.88	L	1	pt/a	POST	B					
1	Class Act NG		L	2.5	% v/v	POST	B					
2	Rowel FX	40.3	WG	4	oz/a	PRE	A	99	25	99	99	99
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
2	Warrant	3	L	3	pt/a	POST	B					
2	Flexstar	1.88	L	1	pt/a	POST	B					
2	Class Act NG		L	2.5	% v/v	POST	B					
3	Rowel	51	WG	2	oz/a	PRE	A	97	10	98	99	99
3	Warrant	3	L	3	pt/a	PRE	A					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Flexstar	1.88	L	1	pt/a	POST	B					
3	Class Act NG		L	2.5	% v/v	POST	B					
4	Warrant	3	L	3	pt/a	PRE	A	8	10	97	99	99
4	Reflex	2	L	1	pt/a	PRE	A					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
4	Cobra	2	L	10	fl oz/a	POST	B					
4	Class Act NG		L	2.5	% v/v	POST	B					
5	Warrant	3	L	3	pt/a	PRE	A	99	9	99	99	99
5	Metribuzin	75	WG	5	oz/a	PRE	A					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	Flexstar	1.88	L	1	pt/a	POST	B					
5	Class Act NG		L	2.5	% v/v	POST	B					
6	Untreated							0	0	0	0	0
7	Warrant	3	L	3	pt/a	PRE	A	99	11	99	99	99
7	Authority First	70	WG	5	oz/a	PRE	A					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Flexstar	1.88	L	1	pt/a	POST	B					
7	Class Act NG		L	2.5	% v/v	POST	B					
8	Authority MAXX	66	WG	5	oz/a	PRE	A	99	23	99	99	95
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Cadet	0.91	L	0.5	fl oz/a	POST	B					
8	Class Act NG		L	2.5	% v/v	POST	B					
9	Fierce	76	WG	3	oz/a	PRE	A	99	13	73	99	99
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
9	Cobra	2	L	10	fl oz/a	POST	B					
9	Class Act NG		L	2.5	% v/v	POST	B					
10	Zidua	85	WG	2.5	oz/a	PRE	A	99	13	98	99	98
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
10	Ultra Blazer	2	L	1	pt/a	POST	B					
10	Class Act NG		L	2.5	% v/v	POST	B					
11	Verdict	5.57	L	5	fl oz/a	PRE	A	0	19	98	99	98
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	Ultra Blazer	2	L	1	pt/a	POST	B					
11	Class Act NG		L	2.5	% v/v	POST	B					

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Weed Code								ABUTH	GLXMA	ANGR	CHEAL	AMBEL
Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jun/19/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015	Jul/02/2015
Rating Date								0 DA-B	13 DA-B	13 DA-B	13 DA-B	13 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					
12	BroadAxe XC	7	L	25	fl oz/a	PRE	A	99	10	99	99	97
12	Flexstar GT	2.82	L	3.5	pt/a	POST	B					
12	Class Act NG		L	2.5	% v/v	POST	B					
13	Boundary	6.5	L	1.5	pt/a	PRE	A	98	11	99	99	98
13	Touchdown Total	4.17	SL	34	fl oz/a	POST	B					
13	Prefix	5.29	L	2	pt/a	POST	B					
13	Class Act NG		L	2.5	% v/v	POST	B					
14	Trivence	61.3	WG	6	oz/a	PRE	A	99	23	99	99	99
14	Abundit Extra	3	SL	32	fl oz/a	POST	B					
14	Warrant	3	L	3	pt/a	POST	B					
14	Cobra	2	L	10	fl oz/a	POST	B					
14	Class Act NG		L	2.5	% v/v	POST	B					
15	Warrant	3	L	3	pt/a	PRE	A	99	9	99	99	97
15	Metribuzin	75	WG	5	oz/a	PRE	A					
15	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
15	Warrant	3	L	3	pt/a	POST	B					
15	Flexstar	1.88	L	1	pt/a	POST	B					
15	Class Act NG		L	2.5	% v/v	POST	B					
LSD (P=.05)								5.8	3.1	2.2	0.0	1.1
CV								5.14	16.72	1.71	0.0	0.88

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

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Weed Code								ABUTH	GLXMA	ANGR	CHEAL	AMBEL
Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/02/2015	Jul/17/2015	Jul/17/2015	Jul/17/2015	Jul/17/2015
Rating Date								13 DA-B	28 DA-B	28 DA-B	28 DA-B	28 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	Rowel	51	WG	2.5	oz/a	PRE	A	99	0	97	99	99
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
1	Warrant	3	L	3	pt/a	POST	B					
1	Flexstar	1.88	L	1	pt/a	POST	B					
1	Class Act NG		L	2.5	% v/v	POST	B					
2	Rowel FX	40.3	WG	4	oz/a	PRE	A	99	9	94	99	99
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
2	Warrant	3	L	3	pt/a	POST	B					
2	Flexstar	1.88	L	1	pt/a	POST	B					
2	Class Act NG		L	2.5	% v/v	POST	B					
3	Rowel	51	WG	2	oz/a	PRE	A	99	0	95	99	98
3	Warrant	3	L	3	pt/a	PRE	A					
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
3	Warrant	3	L	3	pt/a	POST	B					
3	Flexstar	1.88	L	1	pt/a	POST	B					
3	Class Act NG		L	2.5	% v/v	POST	B					
4	Warrant	3	L	3	pt/a	PRE	A	99	0	90	99	98
4	Reflex	2	L	1	pt/a	PRE	A					
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
4	Cobra	2	L	10	fl oz/a	POST	B					
4	Class Act NG		L	2.5	% v/v	POST	B					
5	Warrant	3	L	3	pt/a	PRE	A	99	0	92	99	99
5	Metribuzin	75	WG	5	oz/a	PRE	A					
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
5	Flexstar	1.88	L	1	pt/a	POST	B					
5	Class Act NG		L	2.5	% v/v	POST	B					
6	Untreated							0	0	0	0	0
7	Warrant	3	L	3	pt/a	PRE	A	99	0	93	99	99
7	Authority First	70	WG	5	oz/a	PRE	A					
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
7	Flexstar	1.88	L	1	pt/a	POST	B					
7	Class Act NG		L	2.5	% v/v	POST	B					
8	Authority MAXX	66	WG	5	oz/a	PRE	A	99	3	83	99	99
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
8	Cadet	0.91	L	0.5	fl oz/a	POST	B					
8	Class Act NG		L	2.5	% v/v	POST	B					
9	Fierce	76	WG	3	oz/a	PRE	A	99	0	73	99	99
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
9	Cobra	2	L	10	fl oz/a	POST	B					
9	Class Act NG		L	2.5	% v/v	POST	B					
10	Zidua	85	WG	2.5	oz/a	PRE	A	99	1	84	99	98
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
10	Ultra Blazer	2	L	1	pt/a	POST	B					
10	Class Act NG		L	2.5	% v/v	POST	B					
11	Verdict	5.57	L	5	fl oz/a	PRE	A	99	1	82	97	99
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
11	Ultra Blazer	2	L	1	pt/a	POST	B					
11	Class Act NG		L	2.5	% v/v	POST	B					

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Crop Code								control	injury	control	control	control
Rating Data Type								percent	percent	percent	percent	percent
Rating Unit								Jul/02/2015	Jul/17/2015	Jul/17/2015	Jul/17/2015	Jul/17/2015
Rating Date								13 DA-B	28 DA-B	28 DA-B	28 DA-B	28 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					
12	BroadAxe XC	7	L	25	fl oz/a	PRE	A	99	0	94	99	99
12	Flexstar GT	2.82	L	3.5	pt/a	POST	B					
12	Class Act NG		L	2.5	% v/v	POST	B					
13	Boundary	6.5	L	1.5	pt/a	PRE	A	99	0	97	99	99
13	Touchdown Total	4.17	SL	34	fl oz/a	POST	B					
13	Prefix	5.29	L	2	pt/a	POST	B					
13	Class Act NG		L	2.5	% v/v	POST	B					
14	Trivence	61.3	WG	6	oz/a	PRE	A	99	2	92	99	98
14	Abundit Extra	3	SL	32	fl oz/a	POST	B					
14	Warrant	3	L	3	pt/a	POST	B					
14	Cobra	2	L	10	fl oz/a	POST	B					
14	Class Act NG		L	2.5	% v/v	POST	B					
15	Warrant	3	L	3	pt/a	PRE	A	99	0	96	99	99
15	Metribuzin	75	WG	5	oz/a	PRE	A					
15	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B					
15	Warrant	3	L	3	pt/a	POST	B					
15	Flexstar	1.88	L	1	pt/a	POST	B					
15	Class Act NG		L	2.5	% v/v	POST	B					
LSD (P=.05)								0.3	2.3	4.5	0.9	1.5
CV								0.19	168.38	3.71	0.65	1.11

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

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Weed Code								ABUTH		
Crop Code								control	GLXMA	GLXMA
Rating Data Type								percent	moisture	yield
Rating Unit								Jul/17/2015	Oct/16/2015	Oct/16/2015
Rating Date								28 DA-B	119 DA-B	at 13% M
Trt-Eval Interval								0	1	1
# Subsamples, Dec.										
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
1	Rowel	51	WG	2.5	oz/a	PRE	A	99	16.0	80.8
1	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
1	Warrant	3	L	3	pt/a	POST	B			
1	Flexstar	1.88	L	1	pt/a	POST	B			
1	Class Act NG		L	2.5	% v/v	POST	B			
2	Rowel FX	40.3	WG	4	oz/a	PRE	A	99	15.7	74.4
2	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
2	Warrant	3	L	3	pt/a	POST	B			
2	Flexstar	1.88	L	1	pt/a	POST	B			
2	Class Act NG		L	2.5	% v/v	POST	B			
3	Rowel	51	WG	2	oz/a	PRE	A	98	16.0	79.8
3	Warrant	3	L	3	pt/a	PRE	A			
3	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
3	Warrant	3	L	3	pt/a	POST	B			
3	Flexstar	1.88	L	1	pt/a	POST	B			
3	Class Act NG		L	2.5	% v/v	POST	B			
4	Warrant	3	L	3	pt/a	PRE	A	99	15.8	82.6
4	Reflex	2	L	1	pt/a	PRE	A			
4	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
4	Cobra	2	L	10	fl oz/a	POST	B			
4	Class Act NG		L	2.5	% v/v	POST	B			
5	Warrant	3	L	3	pt/a	PRE	A	99	16.0	82.5
5	Metribuzin	75	WG	5	oz/a	PRE	A			
5	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
5	Flexstar	1.88	L	1	pt/a	POST	B			
5	Class Act NG		L	2.5	% v/v	POST	B			
6	Untreated							0	16.2	30.9
7	Warrant	3	L	3	pt/a	PRE	A	99	15.8	74.9
7	Authority First	70	WG	5	oz/a	PRE	A			
7	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
7	Flexstar	1.88	L	1	pt/a	POST	B			
7	Class Act NG		L	2.5	% v/v	POST	B			
8	Authority MAXX	66	WG	5	oz/a	PRE	A	99	15.7	73.6
8	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
8	Cadet	0.91	L	0.5	fl oz/a	POST	B			
8	Class Act NG		L	2.5	% v/v	POST	B			
9	Fierce	76	WG	3	oz/a	PRE	A	99	15.9	74.2
9	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
9	Cobra	2	L	10	fl oz/a	POST	B			
9	Class Act NG		L	2.5	% v/v	POST	B			
10	Zidua	85	WG	2.5	oz/a	PRE	A	99	15.9	84.1
10	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
10	Ultra Blazer	2	L	1	pt/a	POST	B			
10	Class Act NG		L	2.5	% v/v	POST	B			
11	Verdict	5.57	L	5	fl oz/a	PRE	A	99	15.9	74.4
11	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
11	Ultra Blazer	2	L	1	pt/a	POST	B			
11	Class Act NG		L	2.5	% v/v	POST	B			

MSU Weed Science Research Program

Weed control systems in Roundup Ready soybean

Trial ID: SOY01-15 Study Dir.: Sprague and Powell
 Conducted: Campus C-12 Investigator: Christy Sprague

Weed Code	ABUTH		
Crop Code		GLXMA	GLXMA
Rating Data Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Rating Date	Jul/17/2015	Oct/16/2015	Oct/16/2015
Trt-Eval Interval	28 DA-B	119 DA-B	at 13% M
# Subsamples, Dec.	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code			
12	BroadAxe XC	7	L	25	fl oz/a	PRE	A	99	15.7	79.3
12	Flexstar GT	2.82	L	3.5	pt/a	POST	B			
12	Class Act NG		L	2.5	% v/v	POST	B			
13	Boundary	6.5	L	1.5	pt/a	PRE	A	99	16.0	82.4
13	Touchdown Total	4.17	SL	34	fl oz/a	POST	B			
13	Prefix	5.29	L	2	pt/a	POST	B			
13	Class Act NG		L	2.5	% v/v	POST	B			
14	Trivence	61.3	WG	6	oz/a	PRE	A	99	15.8	80.3
14	Abundit Extra	3	SL	32	fl oz/a	POST	B			
14	Warrant	3	L	3	pt/a	POST	B			
14	Cobra	2	L	10	fl oz/a	POST	B			
14	Class Act NG		L	2.5	% v/v	POST	B			
15	Warrant	3	L	3	pt/a	PRE	A	99	15.9	82.5
15	Metribuzin	75	WG	5	oz/a	PRE	A			
15	Roundup PowerMax	4.5	SL	32	fl oz/a	POST	B			
15	Warrant	3	L	3	pt/a	POST	B			
15	Flexstar	1.88	L	1	pt/a	POST	B			
15	Class Act NG		L	2.5	% v/v	POST	B			

LSD (P=.05)	0.7	0.33	6.57
CV	0.56	1.43	6.07

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