

**Weed control in non-GMO soybean**

Trial ID: SOY10-17 Study Dir.: Sprague, Powell, Stiles  
 Conducted: Campus C-16 Investigator: Christy Sprague

**Planting Date:** May-9-2017 **Row Spacing:** 30 IN  
**Variety:** ZFS1326 **No. of Reps:** 4  
**Population:** 155000 seeds/A **% OM:** 2.4  
**Soil Type:** SL sandy loam **pH:** 6.7  
**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	AMBEL	ragweed, common	Ambrosia artemisiifolia
4	ABUTH	velvetleaf	Abutilon theophrasti
5	SINAR	mustard, wild	Sinapis arvensis
Crop	Code	Common Name	
1	GLXMA	Soybean	

**Application Description**

	A	B
<b>Application Timing:</b>	PRE	POST
<b>Date Treated:</b>	May-9-2017	Jun-13-2017
<b>Time Treated:</b>	7:30 PM	9:45 AM
<b>% Cloud Cover:</b>	80	50
<b>Air Temp., Unit:</b>	60 F	82 F
<b>% Relative Humidity:</b>	19	57
<b>Wind Speed/Unit/Dir:</b>	3 mph NW	3.5 mph N
<b>Soil Temp, Unit:</b>	59 F	80 F
<b>Leaf Moist/Dew Presence (Y/N):</b>	5	5
<b>Soil Moist:</b>	3	5

**Crop Stage at Each Application**

	A	B
<b>Crop 1 Name:</b>	GLXMA	GLXMA
<b>Height:</b>		7 "
<b>Stage:</b>		V3

**Weed Stage at Each Application**

	A	B
<b>Weed 1 Name:</b>	ANGR	ANGR
<b>Height:</b>		1-8 " (4)
<b>Stage:</b>		3-5L
<b>Weed 2 Name:</b>	CHEAL	CHEAL
<b>Height:</b>		2-4 " (3)
<b>Stage:</b>		5-7L
<b>Weed 3 Name:</b>	AMBEL	AMBEL
<b>Height:</b>		3-4 " (3)
<b>Stage:</b>		6-8L
<b>Weed 4 Name:</b>	ABUTH	ABUTH
<b>Height:</b>		2-4 " (3)
<b>Stage:</b>		3-5L
<b>Weed 5 Name:</b>	SINAR	SINAR
<b>Height:</b>		2-7 " (5)
<b>Stage:</b>		flower

**Weed Density**

	1	2	3	4	5
<b>Date:</b>	Jun-13-2017	Jun-13-2017	Jun-13-2017	Jun-13-2017	Jun-13-2017
<b>Weed Name:</b>	ANGR	CHEAL	AMBEL	ABUTH	SINAR
<b>Density:</b>	38 FT2	6 FT2	9 FT2	1 FT2	3 FT2

**Application Equipment**

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	AIXR	11003	22 "	20 "	100 "	19 GPA	WATER	30 PSI
B	Cub	3.8 MPH	AIXR	11003	23 "	20 "	100 "	19 GPA	WATER	30 PSI

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

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Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	GLXMA	ANGR	CHEAL	AMBEL
Crop Code	May-30-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Date	injury	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	21 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Metribuzin	75	WG	6 oz/a	A		1	1	70	94	61
1	Flexstar	1.88	L	1 pt/a	B						
1	Select Max	0.97	L	12 fl oz/a	B						
1	Crop oil concentrate		L	1 % v/v	B						
1	AMS		WG	2.5 lb/a	B						
2	Boundary	6.5	L	1.8 pt/a	A		8	3	97	98	74
2	Flexstar	1.88	L	1 pt/a	B						
2	Select Max	0.97	L	9 fl oz/a	B						
2	Crop oil concentrate		L	1 % v/v	B						
2	AMS		WG	2.5 lb/a	B						
3	Boundary	6.5	L	2.4 pt/a	A		18	4	96	100	80
3	Flexstar	1.88	L	1 pt/a	B						
3	Select Max	0.97	L	9 fl oz/a	B						
3	Crop oil concentrate		L	1 % v/v	B						
3	AMS		WG	2.5 lb/a	B						
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A		14	6	88	100	47
4	Flexstar	1.88	L	1 pt/a	B						
4	Select Max	0.97	L	12 fl oz/a	B						
4	Crop oil concentrate		L	1 % v/v	B						
4	AMS		WG	2.5 lb/a	B						
5	Authority MTZ	45	WG	14 oz/a	A		1	1	84	100	78
5	Flexstar	1.88	L	1 pt/a	B						
5	Select Max	0.97	L	12 fl oz/a	B						
5	Crop oil concentrate		L	1 % v/v	B						
5	AMS		WG	2.5 lb/a	B						
6	Authority MTZ	45	WG	14 oz/a	A		0	0	92	99	82
6	Command 3ME	3	L	21 fl oz/a	A						
6	Flexstar	1.88	L	1 pt/a	B						
6	Select Max	0.97	L	9 fl oz/a	B						
6	Crop oil concentrate		L	1 % v/v	B						
6	AMS		WG	2.5 lb/a	B						
7	Authority First	70	WG	5 oz/a	A		0	1	91	98	82
7	Command 3ME	3	L	21 fl oz/a	A						
7	Flexstar	1.88	L	1 pt/a	B						
7	Select Max	0.97	L	9 fl oz/a	B						
7	Crop oil concentrate		L	1 % v/v	B						
7	AMS		WG	2.5 lb/a	B						

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

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Crop Code	May-30-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Date	injury	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	21 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Sonic	70	WG	6 oz/a	A	A	11	5	84	100	76
8	Boundary	6.5	L	1.5 pt/a	A	A					
8	Cobra	2	L	8 fl oz/a	B	B					
8	Select Max	0.97	L	12 fl oz/a	B	B					
8	Crop oil concentrate		L	0.5 % v/v	B	B					
8	AMS		WG	2.5 lb/a	B	B					
9	Untreated						0	0	0	0	0
10	Valor	51	WG	2.5 oz/a	A	A	16	6	78	94	72
10	Prowl H2O	3.8	L	2 pt/a	A	A					
10	Harmony SG	50	WG	0.125 oz/a	B	B					
10	Cobra	2	L	8 fl oz/a	B	B					
10	Select Max	0.97	L	12 fl oz/a	B	B					
10	Surfactant		L	0.25 % v/v	B	B					
11	Fierce	76	WG	3 oz/a	A	A	17	4	91	98	75
11	Ultra Blazer	2	L	1.5 pt/a	B	B					
11	Select Max	0.97	L	9 fl oz/a	B	B					
11	Surfactant		L	0.25 % v/v	B	B					
12	Fierce	76	WG	3 oz/a	A	A	21	5	91	96	86
12	Metribuzin	75	WG	6 oz/a	A	A					
12	Cobra	2	L	8 fl oz/a	B	B					
12	Select Max	0.97	L	9 fl oz/a	B	B					
12	Crop oil concentrate		L	0.5 % v/v	B	B					
12	AMS		WG	2.5 lb/a	B	B					
13	Authority MAXX	66	WG	6.5 oz/a	A	A	1	1	78	100	63
13	Flexstar	1.88	L	1 pt/a	B	B					
13	Select Max	0.97	L	12 fl oz/a	B	B					
13	Crop oil concentrate		L	1 % v/v	B	B					
13	AMS		WG	2.5 lb/a	B	B					
14	Rowel FX	40.3	WG	3 oz/a	A	A	7	5	81	99	72
14	Flexstar	1.88	L	1 pt/a	B	B					
14	Select Max	0.97	L	12 fl oz/a	B	B					
14	Crop oil concentrate		L	1 % v/v	B	B					
14	AMS		WG	2.5 lb/a	B	B					
15	Valor XLT	40.3	WG	2 oz/a	A	A	9	6	82	98	78
15	Valor	51	WG	1.5 oz/a	A	A					
15	Metribuzin	75	WG	6 oz/a	A	A					
15	Flexstar	1.88	L	1 pt/a	B	B					
15	Select Max	0.97	L	12 fl oz/a	B	B					
15	Crop oil concentrate		L	1 % v/v	B	B					
15	AMS		WG	2.5 lb/a	B	B					

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Crop Code	May-30-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017
Rating Date	injury	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	21 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	31	11	91	100	81
16	Valor	51	WG	1.5 oz/a	A	A					
16	Boundary	6.5	EC	1.8 pt/a	A	A					
16	Flexstar	1.88	L	1 pt/a	B	B					
16	Select Max	0.97	L	9 fl oz/a	B	B					
16	Crop oil concentrate		L	1 % v/v	B	B					
16	AMS		WG	2.5 lb/a	B	B					
17	Afforia	50.8	WG	2.5 oz/a	A	A	14	4	73	96	67
17	Metribuzin	75	WG	5 oz/a	A	A					
17	Synchrony	28.4	WG	0.375 oz/a	B	B					
17	Assure II	0.88	L	8 fl oz/a	B	B					
17	Surfactant		L	0.25 % v/v	B	B					
18	Trivence	61.3	WG	8 oz/a	A	A	11	4	84	97	77
18	Synchrony	28.4	WG	0.375 oz/a	B	B					
18	Assure II	0.88	L	8 fl oz/a	B	B					
18	Surfactant		L	0.25 % v/v	B	B					
19	Trivence	61.3	WG	8 oz/a	A	A	14	8	80	100	77
19	Ultra Blazer	2	L	1.5 pt/a	B	B					
19	Select Max	0.97	L	12 fl oz/a	B	B					
19	Surfactant		L	0.25 % v/v	B	B					
20	Prefix	5.29	L	2 pt/a	A	A	20	4	91	99	85
20	Metribuzin	75	WG	6 oz/a	A	A					
20	Cobra	2	L	8 fl oz/a	B	B					
20	Select Max	0.97	L	9 fl oz/a	B	B					
20	Crop oil concentrate		L	0.5 % v/v	B	B					
20	AMS		WG	2.5 lb/a	B	B					
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	8	3	88	92	79
21	Metribuzin	75	WG	6 oz/a	A	A					
21	Cobra	2	L	8 fl oz/a	B	B					
21	Select Max	0.97	L	9 fl oz/a	B	B					
21	Crop oil concentrate		L	0.5 % v/v	B	B					
21	AMS		WG	2.5 lb/a	B	B					
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	1	2	82	98	75
22	Flexstar	1.88	L	1 pt/a	B	B					
22	Select Max	0.97	L	12 fl oz/a	B	B					
22	Crop oil concentrate		L	1 % v/v	B	B					
22	AMS		WG	2.5 lb/a	B	B					
23	Authority MTZ	45	WG	14 oz/a	A	A	1	1	69	100	56
23	Marvel	3	L	7.25 fl oz/a	B	B					
23	Select Max	0.97	L	12 fl oz/a	B	B					
23	Crop oil concentrate		L	1 % v/v	B	B					
23	AMS		WG	2.5 lb/a	B	B					

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Study Director: Sprague, Powell, Stiles

Pest Code					ANGR	CHEAL	AMBEL				
Crop Code		GLXMA	GLXMA								
Rating Date		May-30-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017	Jun-12-2017				
Rating Type		injury	injury	control	control	control	control				
Rating Unit		percent	percent	percent	percent	percent	percent				
Trt-Eval Interval		21 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A	34 DA-A				
Number of Decimals		0	0	0	0	0	0				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*	*	*
24	Authority MTZ	45	WG	14	oz/a	A	1	1	68	98	61
24	Anthem MAXX	4.3	L	3	fl oz/a	B					
24	Flexstar	1.88	L	1	pt/a	B					
24	Select Max	0.97	L	12	fl oz/a	B					
24	Crop oil concentrate		L	1	% v/v	B					
24	AMS		WG	2.5	lb/a	B					
25	Anthem MAXX	4.3	L	3.25	fl oz/a	A	1	1	85	70	40
25	Flexstar	1.88	L	1	pt/a	B					
25	Select Max	0.97	L	12	fl oz/a	B					
25	Crop oil concentrate		L	1	% v/v	B					
25	AMS		WG	2.5	lb/a	B					
26	Authority MAXX	66	WG	5	oz/a	A	0	0	74	99	59
26	Synchrony	28.4	WG	0.375	oz/a	B					
26	Anthem MAXX	4.3	L	3	oz/a	B					
26	Select Max	0.97	L	12	fl oz/a	B					
26	Surfactant		L	0.25	% v/v	B					
	LSD P=.05						4.7	2.4	10.5	6.7	14.0
	Standard Deviation						3.4	1.7	7.5	4.8	9.9
	CV						39.45	53.93	9.33	5.11	14.5

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Study Director: Sprague, Powell, Stiles

Pest Code	ABUTH	SINAR	GLXMA	GLXMA	ANGR
Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	injury	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	7 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	Metribuzin	75	WG	6 oz/a	A		97	100	16	9	91
1	Flexstar	1.88	L	1 pt/a	B						
1	Select Max	0.97	L	12 fl oz/a	B						
1	Crop oil concentrate		L	1 % v/v	B						
1	AMS		WG	2.5 lb/a	B						
2	Boundary	6.5	L	1.8 pt/a	A		100	100	14	10	99
2	Flexstar	1.88	L	1 pt/a	B						
2	Select Max	0.97	L	9 fl oz/a	B						
2	Crop oil concentrate		L	1 % v/v	B						
2	AMS		WG	2.5 lb/a	B						
3	Boundary	6.5	L	2.4 pt/a	A		100	100	16	12	100
3	Flexstar	1.88	L	1 pt/a	B						
3	Select Max	0.97	L	9 fl oz/a	B						
3	Crop oil concentrate		L	1 % v/v	B						
3	AMS		WG	2.5 lb/a	B						
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A		91	91	16	14	96
4	Flexstar	1.88	L	1 pt/a	B						
4	Select Max	0.97	L	12 fl oz/a	B						
4	Crop oil concentrate		L	1 % v/v	B						
4	AMS		WG	2.5 lb/a	B						
5	Authority MTZ	45	WG	14 oz/a	A		100	91	18	10	97
5	Flexstar	1.88	L	1 pt/a	B						
5	Select Max	0.97	L	12 fl oz/a	B						
5	Crop oil concentrate		L	1 % v/v	B						
5	AMS		WG	2.5 lb/a	B						
6	Authority MTZ	45	WG	14 oz/a	A		99	89	16	10	100
6	Command 3ME	3	L	21 fl oz/a	A						
6	Flexstar	1.88	L	1 pt/a	B						
6	Select Max	0.97	L	9 fl oz/a	B						
6	Crop oil concentrate		L	1 % v/v	B						
6	AMS		WG	2.5 lb/a	B						
7	Authority First	70	WG	5 oz/a	A		100	100	20	10	99
7	Command 3ME	3	L	21 fl oz/a	A						
7	Flexstar	1.88	L	1 pt/a	B						
7	Select Max	0.97	L	9 fl oz/a	B						
7	Crop oil concentrate		L	1 % v/v	B						
7	AMS		WG	2.5 lb/a	B						

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Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	injury	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	7 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	*	*	*	*	*
8	Sonic	70	WG	6 oz/a	A	A	100	99	20	14	95
8	Boundary	6.5	L	1.5 pt/a	A	A					
8	Cobra	2	L	8 fl oz/a	B	B					
8	Select Max	0.97	L	12 fl oz/a	B	B					
8	Crop oil concentrate		L	0.5 % v/v	B	B					
8	AMS		WG	2.5 lb/a	B	B					
9	Untreated						0	0	0	0	0
10	Valor	51	WG	2.5 oz/a	A	A	99	93	30	28	93
10	Prowl H2O	3.8	L	2 pt/a	A	A					
10	Harmony SG	50	WG	0.125 oz/a	B	B					
10	Cobra	2	L	8 fl oz/a	B	B					
10	Select Max	0.97	L	12 fl oz/a	B	B					
10	Surfactant		L	0.25 % v/v	B	B					
11	Fierce	76	WG	3 oz/a	A	A	100	100	22	14	98
11	Ultra Blazer	2	L	1.5 pt/a	B	B					
11	Select Max	0.97	L	9 fl oz/a	B	B					
11	Surfactant		L	0.25 % v/v	B	B					
12	Fierce	76	WG	3 oz/a	A	A	100	100	18	14	99
12	Metribuzin	75	WG	6 oz/a	A	A					
12	Cobra	2	L	8 fl oz/a	B	B					
12	Select Max	0.97	L	9 fl oz/a	B	B					
12	Crop oil concentrate		L	0.5 % v/v	B	B					
12	AMS		WG	2.5 lb/a	B	B					
13	Authority MAXX	66	WG	6.5 oz/a	A	A	100	100	18	12	94
13	Flexstar	1.88	L	1 pt/a	B	B					
13	Select Max	0.97	L	12 fl oz/a	B	B					
13	Crop oil concentrate		L	1 % v/v	B	B					
13	AMS		WG	2.5 lb/a	B	B					
14	Rowel FX	40.3	WG	3 oz/a	A	A	100	100	19	11	98
14	Flexstar	1.88	L	1 pt/a	B	B					
14	Select Max	0.97	L	12 fl oz/a	B	B					
14	Crop oil concentrate		L	1 % v/v	B	B					
14	AMS		WG	2.5 lb/a	B	B					
15	Valor XLT	40.3	WG	2 oz/a	A	A	100	100	18	11	100
15	Valor	51	WG	1.5 oz/a	A	A					
15	Metribuzin	75	WG	6 oz/a	A	A					
15	Flexstar	1.88	L	1 pt/a	B	B					
15	Select Max	0.97	L	12 fl oz/a	B	B					
15	Crop oil concentrate		L	1 % v/v	B	B					
15	AMS		WG	2.5 lb/a	B	B					

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Pest Code	ABUTH	SINAR	GLXMA	GLXMA	ANGR
Crop Code					
Rating Date	Jun-12-2017	Jun-12-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017
Rating Type	control	control	injury	injury	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	34 DA-A	34 DA-A	7 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	*	*	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	100	100	21	13	100
16	Valor	51	WG	1.5 oz/a	A	A					
16	Boundary	6.5	EC	1.8 pt/a	A	A					
16	Flexstar	1.88	L	1 pt/a	B	B					
16	Select Max	0.97	L	9 fl oz/a	B	B					
16	Crop oil concentrate		L	1 % v/v	B	B					
16	AMS		WG	2.5 lb/a	B	B					
17	Afforia	50.8	WG	2.5 oz/a	A	A	98	100	20	10	94
17	Metribuzin	75	WG	5 oz/a	A	A					
17	Synchrony	28.4	WG	0.375 oz/a	B	B					
17	Assure II	0.88	L	8 fl oz/a	B	B					
17	Surfactant		L	0.25 % v/v	B	B					
18	Trivence	61.3	WG	8 oz/a	A	A	100	100	18	12	95
18	Synchrony	28.4	WG	0.375 oz/a	B	B					
18	Assure II	0.88	L	8 fl oz/a	B	B					
18	Surfactant		L	0.25 % v/v	B	B					
19	Trivence	61.3	WG	8 oz/a	A	A	100	100	26	16	92
19	Ultra Blazer	2	L	1.5 pt/a	B	B					
19	Select Max	0.97	L	12 fl oz/a	B	B					
19	Surfactant		L	0.25 % v/v	B	B					
20	Prefix	5.29	L	2 pt/a	A	A	100	100	23	12	97
20	Metribuzin	75	WG	6 oz/a	A	A					
20	Cobra	2	L	8 fl oz/a	B	B					
20	Select Max	0.97	L	9 fl oz/a	B	B					
20	Crop oil concentrate		L	0.5 % v/v	B	B					
20	AMS		WG	2.5 lb/a	B	B					
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	99	100	21	14	95
21	Metribuzin	75	WG	6 oz/a	A	A					
21	Cobra	2	L	8 fl oz/a	B	B					
21	Select Max	0.97	L	9 fl oz/a	B	B					
21	Crop oil concentrate		L	0.5 % v/v	B	B					
21	AMS		WG	2.5 lb/a	B	B					
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	99	100	17	10	96
22	Flexstar	1.88	L	1 pt/a	B	B					
22	Select Max	0.97	L	12 fl oz/a	B	B					
22	Crop oil concentrate		L	1 % v/v	B	B					
22	AMS		WG	2.5 lb/a	B	B					
23	Authority MTZ	45	WG	14 oz/a	A	A	100	99	18	15	84
23	Marvel	3	L	7.25 fl oz/a	B	B					
23	Select Max	0.97	L	12 fl oz/a	B	B					
23	Crop oil concentrate		L	1 % v/v	B	B					
23	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code				ABUTH	SINAR	GLXMA	GLXMA	ANGR			
Crop Code											
Rating Date				Jun-12-2017	Jun-12-2017	Jun-20-2017	Jun-27-2017	Jun-27-2017			
Rating Type				control	control	injury	injury	control			
Rating Unit				percent	percent	percent	percent	percent			
Trt-Eval Interval				34 DA-A	34 DA-A	7 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	Unit	Appl Code	*	*	*	*	*
24	Authority MTZ	45	WG	14	oz/a	A	100	95	22	15	89
24	Anthem MAXX	4.3	L	3	fl oz/a	B					
24	Flexstar	1.88	L	1	pt/a	B					
24	Select Max	0.97	L	12	fl oz/a	B					
24	Crop oil concentrate		L	1	% v/v	B					
24	AMS		WG	2.5	lb/a	B					
25	Anthem MAXX	4.3	L	3.25	fl oz/a	A	93	78	19	10	99
25	Flexstar	1.88	L	1	pt/a	B					
25	Select Max	0.97	L	12	fl oz/a	B					
25	Crop oil concentrate		L	1	% v/v	B					
25	AMS		WG	2.5	lb/a	B					
26	Authority MAXX	66	WG	5	oz/a	A	95	100	26	17	77
26	Synchrony	28.4	WG	0.375	oz/a	B					
26	Anthem MAXX	4.3	L	3	oz/a	B					
26	Select Max	0.97	L	12	fl oz/a	B					
26	Surfactant		L	0.25	% v/v	B					
	LSD P=.05						5.5	8.8	4.3	3.6	6.6
	Standard Deviation						3.9	6.3	3.0	2.5	4.7
	CV						4.15	6.7	16.07	20.51	5.16

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code					
Rating Date	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jul-11-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Metribuzin	75	WG	6 oz/a	A		91	100	100	98	0
1	Flexstar	1.88	L	1 pt/a	B						
1	Select Max	0.97	L	12 fl oz/a	B						
1	Crop oil concentrate		L	1 % v/v	B						
1	AMS		WG	2.5 lb/a	B						
2	Boundary	6.5	L	1.8 pt/a	A		96	100	100	100	0
2	Flexstar	1.88	L	1 pt/a	B						
2	Select Max	0.97	L	9 fl oz/a	B						
2	Crop oil concentrate		L	1 % v/v	B						
2	AMS		WG	2.5 lb/a	B						
3	Boundary	6.5	L	2.4 pt/a	A		99	100	100	100	0
3	Flexstar	1.88	L	1 pt/a	B						
3	Select Max	0.97	L	9 fl oz/a	B						
3	Crop oil concentrate		L	1 % v/v	B						
3	AMS		WG	2.5 lb/a	B						
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A		100	92	94	100	0
4	Flexstar	1.88	L	1 pt/a	B						
4	Select Max	0.97	L	12 fl oz/a	B						
4	Crop oil concentrate		L	1 % v/v	B						
4	AMS		WG	2.5 lb/a	B						
5	Authority MTZ	45	WG	14 oz/a	A		99	100	100	100	0
5	Flexstar	1.88	L	1 pt/a	B						
5	Select Max	0.97	L	12 fl oz/a	B						
5	Crop oil concentrate		L	1 % v/v	B						
5	AMS		WG	2.5 lb/a	B						
6	Authority MTZ	45	WG	14 oz/a	A		97	100	100	100	0
6	Command 3ME	3	L	21 fl oz/a	A						
6	Flexstar	1.88	L	1 pt/a	B						
6	Select Max	0.97	L	9 fl oz/a	B						
6	Crop oil concentrate		L	1 % v/v	B						
6	AMS		WG	2.5 lb/a	B						
7	Authority First	70	WG	5 oz/a	A		100	100	100	100	0
7	Command 3ME	3	L	21 fl oz/a	A						
7	Flexstar	1.88	L	1 pt/a	B						
7	Select Max	0.97	L	9 fl oz/a	B						
7	Crop oil concentrate		L	1 % v/v	B						
7	AMS		WG	2.5 lb/a	B						

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code					
Rating Date	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jul-11-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Sonic	70	WG	6 oz/a	A		99	99	100	100	0
8	Boundary	6.5	L	1.5 pt/a	A						
8	Cobra	2	L	8 fl oz/a	B						
8	Select Max	0.97	L	12 fl oz/a	B						
8	Crop oil concentrate		L	0.5 % v/v	B						
8	AMS		WG	2.5 lb/a	B						
9	Untreated						0	0	0	0	0
10	Valor	51	WG	2.5 oz/a	A		99	92	100	100	0
10	Prowl H2O	3.8	L	2 pt/a	A						
10	Harmony SG	50	WG	0.125 oz/a	B						
10	Cobra	2	L	8 fl oz/a	B						
10	Select Max	0.97	L	12 fl oz/a	B						
10	Surfactant		L	0.25 % v/v	B						
11	Fierce	76	WG	3 oz/a	A		95	93	100	100	0
11	Ultra Blazer	2	L	1.5 pt/a	B						
11	Select Max	0.97	L	9 fl oz/a	B						
11	Surfactant		L	0.25 % v/v	B						
12	Fierce	76	WG	3 oz/a	A		95	99	100	100	0
12	Metribuzin	75	WG	6 oz/a	A						
12	Cobra	2	L	8 fl oz/a	B						
12	Select Max	0.97	L	9 fl oz/a	B						
12	Crop oil concentrate		L	0.5 % v/v	B						
12	AMS		WG	2.5 lb/a	B						
13	Authority MAXX	66	WG	6.5 oz/a	A		98	99	100	100	0
13	Flexstar	1.88	L	1 pt/a	B						
13	Select Max	0.97	L	12 fl oz/a	B						
13	Crop oil concentrate		L	1 % v/v	B						
13	AMS		WG	2.5 lb/a	B						
14	Rowel FX	40.3	WG	3 oz/a	A		98	100	100	100	0
14	Flexstar	1.88	L	1 pt/a	B						
14	Select Max	0.97	L	12 fl oz/a	B						
14	Crop oil concentrate		L	1 % v/v	B						
14	AMS		WG	2.5 lb/a	B						
15	Valor XLT	40.3	WG	2 oz/a	A		99	100	100	100	0
15	Valor	51	WG	1.5 oz/a	A						
15	Metribuzin	75	WG	6 oz/a	A						
15	Flexstar	1.88	L	1 pt/a	B						
15	Select Max	0.97	L	12 fl oz/a	B						
15	Crop oil concentrate		L	1 % v/v	B						
15	AMS		WG	2.5 lb/a	B						

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code					
Rating Date	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jul-11-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	99	100	100	100	0
16	Valor	51	WG	1.5 oz/a	A	A					
16	Boundary	6.5	EC	1.8 pt/a	A	A					
16	Flexstar	1.88	L	1 pt/a	B	B					
16	Select Max	0.97	L	9 fl oz/a	B	B					
16	Crop oil concentrate		L	1 % v/v	B	B					
16	AMS		WG	2.5 lb/a	B	B					
17	Afforia	50.8	WG	2.5 oz/a	A	A	100	68	100	100	0
17	Metribuzin	75	WG	5 oz/a	A	A					
17	Synchrony	28.4	WG	0.375 oz/a	B	B					
17	Assure II	0.88	L	8 fl oz/a	B	B					
17	Surfactant		L	0.25 % v/v	B	B					
18	Trivence	61.3	WG	8 oz/a	A	A	99	70	100	100	0
18	Synchrony	28.4	WG	0.375 oz/a	B	B					
18	Assure II	0.88	L	8 fl oz/a	B	B					
18	Surfactant		L	0.25 % v/v	B	B					
19	Trivence	61.3	WG	8 oz/a	A	A	99	93	100	100	0
19	Ultra Blazer	2	L	1.5 pt/a	B	B					
19	Select Max	0.97	L	12 fl oz/a	B	B					
19	Surfactant		L	0.25 % v/v	B	B					
20	Prefix	5.29	L	2 pt/a	A	A	97	98	99	100	0
20	Metribuzin	75	WG	6 oz/a	A	A					
20	Cobra	2	L	8 fl oz/a	B	B					
20	Select Max	0.97	L	9 fl oz/a	B	B					
20	Crop oil concentrate		L	0.5 % v/v	B	B					
20	AMS		WG	2.5 lb/a	B	B					
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	91	96	96	100	0
21	Metribuzin	75	WG	6 oz/a	A	A					
21	Cobra	2	L	8 fl oz/a	B	B					
21	Select Max	0.97	L	9 fl oz/a	B	B					
21	Crop oil concentrate		L	0.5 % v/v	B	B					
21	AMS		WG	2.5 lb/a	B	B					
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	98	98	100	100	0
22	Flexstar	1.88	L	1 pt/a	B	B					
22	Select Max	0.97	L	12 fl oz/a	B	B					
22	Crop oil concentrate		L	1 % v/v	B	B					
22	AMS		WG	2.5 lb/a	B	B					
23	Authority MTZ	45	WG	14 oz/a	A	A	100	87	100	100	0
23	Marvel	3	L	7.25 fl oz/a	B	B					
23	Select Max	0.97	L	12 fl oz/a	B	B					
23	Crop oil concentrate		L	1 % v/v	B	B					
23	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	CHEAL	AMBEL	ABUTH	SINAR	GLXMA
Crop Code					
Rating Date	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jun-27-2017	Jul-11-2017
Rating Type	control	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B	14 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
24	Authority MTZ	45	WG	14	oz/a	A	98	97	100	100	0
24	Anthem MAXX	4.3	L	3	fl oz/a	B					
24	Flexstar	1.88	L	1	pt/a	B					
24	Select Max	0.97	L	12	fl oz/a	B					
24	Crop oil concentrate		L	1	% v/v	B					
24	AMS		WG	2.5	lb/a	B					
25	Anthem MAXX	4.3	L	3.25	fl oz/a	A	75	96	94	100	0
25	Flexstar	1.88	L	1	pt/a	B					
25	Select Max	0.97	L	12	fl oz/a	B					
25	Crop oil concentrate		L	1	% v/v	B					
25	AMS		WG	2.5	lb/a	B					
26	Authority MAXX	66	WG	5	oz/a	A	100	52	100	100	0
26	Synchrony	28.4	WG	0.375	oz/a	B					
26	Anthem MAXX	4.3	L	3	oz/a	B					
26	Select Max	0.97	L	12	fl oz/a	B					
26	Surfactant		L	0.25	% v/v	B					
	LSD P=.05						5.5	7.0	2.5	1.4	.
	Standard Deviation						3.9	4.9	1.8	1.0	0.0
	CV						4.21	5.51	1.85	1.02	0.0

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code					
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Metribuzin	75	WG	6 oz/a	A	A	94	94	100	98	100
1	Flexstar	1.88	L	1 pt/a	B	B					
1	Select Max	0.97	L	12 fl oz/a	B	B					
1	Crop oil concentrate		L	1 % v/v	B	B					
1	AMS		WG	2.5 lb/a	B	B					
2	Boundary	6.5	L	1.8 pt/a	A	A	99	96	100	95	100
2	Flexstar	1.88	L	1 pt/a	B	B					
2	Select Max	0.97	L	9 fl oz/a	B	B					
2	Crop oil concentrate		L	1 % v/v	B	B					
2	AMS		WG	2.5 lb/a	B	B					
3	Boundary	6.5	L	2.4 pt/a	A	A	100	100	100	100	100
3	Flexstar	1.88	L	1 pt/a	B	B					
3	Select Max	0.97	L	9 fl oz/a	B	B					
3	Crop oil concentrate		L	1 % v/v	B	B					
3	AMS		WG	2.5 lb/a	B	B					
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A	A	100	100	92	91	100
4	Flexstar	1.88	L	1 pt/a	B	B					
4	Select Max	0.97	L	12 fl oz/a	B	B					
4	Crop oil concentrate		L	1 % v/v	B	B					
4	AMS		WG	2.5 lb/a	B	B					
5	Authority MTZ	45	WG	14 oz/a	A	A	99	100	100	98	100
5	Flexstar	1.88	L	1 pt/a	B	B					
5	Select Max	0.97	L	12 fl oz/a	B	B					
5	Crop oil concentrate		L	1 % v/v	B	B					
5	AMS		WG	2.5 lb/a	B	B					
6	Authority MTZ	45	WG	14 oz/a	A	A	100	99	100	100	100
6	Command 3ME	3	L	21 fl oz/a	A	A					
6	Flexstar	1.88	L	1 pt/a	B	B					
6	Select Max	0.97	L	9 fl oz/a	B	B					
6	Crop oil concentrate		L	1 % v/v	B	B					
6	AMS		WG	2.5 lb/a	B	B					
7	Authority First	70	WG	5 oz/a	A	A	100	99	100	100	100
7	Command 3ME	3	L	21 fl oz/a	A	A					
7	Flexstar	1.88	L	1 pt/a	B	B					
7	Select Max	0.97	L	9 fl oz/a	B	B					
7	Crop oil concentrate		L	1 % v/v	B	B					
7	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code					
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Sonic	70	WG	6 oz/a	A	A	100	100	98	100	100
8	Boundary	6.5	L	1.5 pt/a	A	A					
8	Cobra	2	L	8 fl oz/a	B	B					
8	Select Max	0.97	L	12 fl oz/a	B	B					
8	Crop oil concentrate		L	0.5 % v/v	B	B					
8	AMS		WG	2.5 lb/a	B	B					
9	Untreated						0	0	0	0	0
10	Valor	51	WG	2.5 oz/a	A	A	82	94	84	98	100
10	Prowl H2O	3.8	L	2 pt/a	A	A					
10	Harmony SG	50	WG	0.125 oz/a	B	B					
10	Cobra	2	L	8 fl oz/a	B	B					
10	Select Max	0.97	L	12 fl oz/a	B	B					
10	Surfactant		L	0.25 % v/v	B	B					
11	Fierce	76	WG	3 oz/a	A	A	98	97	86	100	100
11	Ultra Blazer	2	L	1.5 pt/a	B	B					
11	Select Max	0.97	L	9 fl oz/a	B	B					
11	Surfactant		L	0.25 % v/v	B	B					
12	Fierce	76	WG	3 oz/a	A	A	100	93	100	100	100
12	Metribuzin	75	WG	6 oz/a	A	A					
12	Cobra	2	L	8 fl oz/a	B	B					
12	Select Max	0.97	L	9 fl oz/a	B	B					
12	Crop oil concentrate		L	0.5 % v/v	B	B					
12	AMS		WG	2.5 lb/a	B	B					
13	Authority MAXX	66	WG	6.5 oz/a	A	A	99	100	96	100	100
13	Flexstar	1.88	L	1 pt/a	B	B					
13	Select Max	0.97	L	12 fl oz/a	B	B					
13	Crop oil concentrate		L	1 % v/v	B	B					
13	AMS		WG	2.5 lb/a	B	B					
14	Rowel FX	40.3	WG	3 oz/a	A	A	95	99	99	100	100
14	Flexstar	1.88	L	1 pt/a	B	B					
14	Select Max	0.97	L	12 fl oz/a	B	B					
14	Crop oil concentrate		L	1 % v/v	B	B					
14	AMS		WG	2.5 lb/a	B	B					
15	Valor XLT	40.3	WG	2 oz/a	A	A	100	100	100	100	100
15	Valor	51	WG	1.5 oz/a	A	A					
15	Metribuzin	75	WG	6 oz/a	A	A					
15	Flexstar	1.88	L	1 pt/a	B	B					
15	Select Max	0.97	L	12 fl oz/a	B	B					
15	Crop oil concentrate		L	1 % v/v	B	B					
15	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.



## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code					
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	100	100	100	100	100
16	Valor	51	WG	1.5 oz/a	A	A					
16	Boundary	6.5	EC	1.8 pt/a	A	A					
16	Flexstar	1.88	L	1 pt/a	B	B					
16	Select Max	0.97	L	9 fl oz/a	B	B					
16	Crop oil concentrate		L	1 % v/v	B	B					
16	AMS		WG	2.5 lb/a	B	B					
17	Afforia	50.8	WG	2.5 oz/a	A	A	93	100	66	100	100
17	Metribuzin	75	WG	5 oz/a	A	A					
17	Synchrony	28.4	WG	0.375 oz/a	B	B					
17	Assure II	0.88	L	8 fl oz/a	B	B					
17	Surfactant		L	0.25 % v/v	B	B					
18	Trivence	61.3	WG	8 oz/a	A	A	86	99	60	98	100
18	Synchrony	28.4	WG	0.375 oz/a	B	B					
18	Assure II	0.88	L	8 fl oz/a	B	B					
18	Surfactant		L	0.25 % v/v	B	B					
19	Trivence	61.3	WG	8 oz/a	A	A	88	100	82	100	100
19	Ultra Blazer	2	L	1.5 pt/a	B	B					
19	Select Max	0.97	L	12 fl oz/a	B	B					
19	Surfactant		L	0.25 % v/v	B	B					
20	Prefix	5.29	L	2 pt/a	A	A	100	100	98	98	100
20	Metribuzin	75	WG	6 oz/a	A	A					
20	Cobra	2	L	8 fl oz/a	B	B					
20	Select Max	0.97	L	9 fl oz/a	B	B					
20	Crop oil concentrate		L	0.5 % v/v	B	B					
20	AMS		WG	2.5 lb/a	B	B					
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	95	93	96	96	100
21	Metribuzin	75	WG	6 oz/a	A	A					
21	Cobra	2	L	8 fl oz/a	B	B					
21	Select Max	0.97	L	9 fl oz/a	B	B					
21	Crop oil concentrate		L	0.5 % v/v	B	B					
21	AMS		WG	2.5 lb/a	B	B					
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	100	98	98	100	100
22	Flexstar	1.88	L	1 pt/a	B	B					
22	Select Max	0.97	L	12 fl oz/a	B	B					
22	Crop oil concentrate		L	1 % v/v	B	B					
22	AMS		WG	2.5 lb/a	B	B					
23	Authority MTZ	45	WG	14 oz/a	A	A	91	100	75	100	100
23	Marvel	3	L	7.25 fl oz/a	B	B					
23	Select Max	0.97	L	12 fl oz/a	B	B					
23	Crop oil concentrate		L	1 % v/v	B	B					
23	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Code					
Rating Date	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017	Jul-11-2017
Rating Type	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*	*	*
24	Authority MTZ	45	WG	14	oz/a	A	96	99	96	100	100
24	Anthem MAXX	4.3	L	3	fl oz/a	B					
24	Flexstar	1.88	L	1	pt/a	B					
24	Select Max	0.97	L	12	fl oz/a	B					
24	Crop oil concentrate		L	1	% v/v	B					
24	AMS		WG	2.5	lb/a	B					
25	Anthem MAXX	4.3	L	3.25	fl oz/a	A	88	71	91	95	100
25	Flexstar	1.88	L	1	pt/a	B					
25	Select Max	0.97	L	12	fl oz/a	B					
25	Crop oil concentrate		L	1	% v/v	B					
25	AMS		WG	2.5	lb/a	B					
26	Authority MAXX	66	WG	5	oz/a	A	93	100	35	100	100
26	Synchrony	28.4	WG	0.375	oz/a	B					
26	Anthem MAXX	4.3	L	3	oz/a	B					
26	Select Max	0.97	L	12	fl oz/a	B					
26	Surfactant		L	0.25	% v/v	B					
	LSD P=.05						6.7	6.8	8.5	4.7	.
	Standard Deviation						4.7	4.9	6.0	3.3	0.0
	CV						5.13	5.2	6.95	3.53	0.0

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	ANGR	CHEAL	AMBEL	ABUTH
Crop Code	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017
Rating Date	injury	control	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	56 DA-B	56 DA-B	56 DA-B	56 DA-B	56 DA-B
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
1	Metribuzin	75	WG	6 oz/a	A	A	0	91	82	100	98
1	Flexstar	1.88	L	1 pt/a	B	B					
1	Select Max	0.97	L	12 fl oz/a	B	B					
1	Crop oil concentrate		L	1 % v/v	B	B					
1	AMS		WG	2.5 lb/a	B	B					
2	Boundary	6.5	L	1.8 pt/a	A	A	0	98	82	100	95
2	Flexstar	1.88	L	1 pt/a	B	B					
2	Select Max	0.97	L	9 fl oz/a	B	B					
2	Crop oil concentrate		L	1 % v/v	B	B					
2	AMS		WG	2.5 lb/a	B	B					
3	Boundary	6.5	L	2.4 pt/a	A	A	0	100	98	100	100
3	Flexstar	1.88	L	1 pt/a	B	B					
3	Select Max	0.97	L	9 fl oz/a	B	B					
3	Crop oil concentrate		L	1 % v/v	B	B					
3	AMS		WG	2.5 lb/a	B	B					
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A	A	0	100	100	80	90
4	Flexstar	1.88	L	1 pt/a	B	B					
4	Select Max	0.97	L	12 fl oz/a	B	B					
4	Crop oil concentrate		L	1 % v/v	B	B					
4	AMS		WG	2.5 lb/a	B	B					
5	Authority MTZ	45	WG	14 oz/a	A	A	0	100	94	96	98
5	Flexstar	1.88	L	1 pt/a	B	B					
5	Select Max	0.97	L	12 fl oz/a	B	B					
5	Crop oil concentrate		L	1 % v/v	B	B					
5	AMS		WG	2.5 lb/a	B	B					
6	Authority MTZ	45	WG	14 oz/a	A	A	0	100	95	100	100
6	Command 3ME	3	L	21 fl oz/a	A	A					
6	Flexstar	1.88	L	1 pt/a	B	B					
6	Select Max	0.97	L	9 fl oz/a	B	B					
6	Crop oil concentrate		L	1 % v/v	B	B					
6	AMS		WG	2.5 lb/a	B	B					
7	Authority First	70	WG	5 oz/a	A	A	0	100	96	93	100
7	Command 3ME	3	L	21 fl oz/a	A	A					
7	Flexstar	1.88	L	1 pt/a	B	B					
7	Select Max	0.97	L	9 fl oz/a	B	B					
7	Crop oil concentrate		L	1 % v/v	B	B					
7	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	GLXMA	ANGR	CHEAL	AMBEL	ABUTH
Crop Code	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017
Rating Date	injury	control	control	control	control
Rating Type	percent	percent	percent	percent	percent
Rating Unit	56 DA-B	56 DA-B	56 DA-B	56 DA-B	56 DA-B
Trt-Eval Interval	0	0	0	0	0
Number of Decimals					

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
8	Sonic	70	WG	6 oz/a	A	A	0	95	100	95	100
8	Boundary	6.5	L	1.5 pt/a	A	A					
8	Cobra	2	L	8 fl oz/a	B	B					
8	Select Max	0.97	L	12 fl oz/a	B	B					
8	Crop oil concentrate		L	0.5 % v/v	B	B					
8	AMS		WG	2.5 lb/a	B	B					
9	Untreated						0	0	0	0	0
10	Valor	51	WG	2.5 oz/a	A	A	0	81	78	70	98
10	Prowl H2O	3.8	L	2 pt/a	A	A					
10	Harmony SG	50	WG	0.125 oz/a	B	B					
10	Cobra	2	L	8 fl oz/a	B	B					
10	Select Max	0.97	L	12 fl oz/a	B	B					
10	Surfactant		L	0.25 % v/v	B	B					
11	Fierce	76	WG	3 oz/a	A	A	0	97	77	74	100
11	Ultra Blazer	2	L	1.5 pt/a	B	B					
11	Select Max	0.97	L	9 fl oz/a	B	B					
11	Surfactant		L	0.25 % v/v	B	B					
12	Fierce	76	WG	3 oz/a	A	A	0	98	87	100	100
12	Metribuzin	75	WG	6 oz/a	A	A					
12	Cobra	2	L	8 fl oz/a	B	B					
12	Select Max	0.97	L	9 fl oz/a	B	B					
12	Crop oil concentrate		L	0.5 % v/v	B	B					
12	AMS		WG	2.5 lb/a	B	B					
13	Authority MAXX	66	WG	6.5 oz/a	A	A	0	99	96	91	98
13	Flexstar	1.88	L	1 pt/a	B	B					
13	Select Max	0.97	L	12 fl oz/a	B	B					
13	Crop oil concentrate		L	1 % v/v	B	B					
13	AMS		WG	2.5 lb/a	B	B					
14	Rowel FX	40.3	WG	3 oz/a	A	A	0	95	100	99	100
14	Flexstar	1.88	L	1 pt/a	B	B					
14	Select Max	0.97	L	12 fl oz/a	B	B					
14	Crop oil concentrate		L	1 % v/v	B	B					
14	AMS		WG	2.5 lb/a	B	B					
15	Valor XLT	40.3	WG	2 oz/a	A	A	0	100	95	100	100
15	Valor	51	WG	1.5 oz/a	A	A					
15	Metribuzin	75	WG	6 oz/a	A	A					
15	Flexstar	1.88	L	1 pt/a	B	B					
15	Select Max	0.97	L	12 fl oz/a	B	B					
15	Crop oil concentrate		L	1 % v/v	B	B					
15	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	ABUTH
Crop Code	GLXMA				
Rating Date	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	56 DA-B	56 DA-B	56 DA-B	56 DA-B	56 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	0	100	97	100	100
16	Valor	51	WG	1.5 oz/a	A	A					
16	Boundary	6.5	EC	1.8 pt/a	A	A					
16	Flexstar	1.88	L	1 pt/a	B	B					
16	Select Max	0.97	L	9 fl oz/a	B	B					
16	Crop oil concentrate		L	1 % v/v	B	B					
16	AMS		WG	2.5 lb/a	B	B					
17	Afforia	50.8	WG	2.5 oz/a	A	A	0	91	100	40	100
17	Metribuzin	75	WG	5 oz/a	A	A					
17	Synchrony	28.4	WG	0.375 oz/a	B	B					
17	Assure II	0.88	L	8 fl oz/a	B	B					
17	Surfactant		L	0.25 % v/v	B	B					
18	Trivence	61.3	WG	8 oz/a	A	A	0	86	100	45	98
18	Synchrony	28.4	WG	0.375 oz/a	B	B					
18	Assure II	0.88	L	8 fl oz/a	B	B					
18	Surfactant		L	0.25 % v/v	B	B					
19	Trivence	61.3	WG	8 oz/a	A	A	0	93	100	71	100
19	Ultra Blazer	2	L	1.5 pt/a	B	B					
19	Select Max	0.97	L	12 fl oz/a	B	B					
19	Surfactant		L	0.25 % v/v	B	B					
20	Prefix	5.29	L	2 pt/a	A	A	0	99	95	91	96
20	Metribuzin	75	WG	6 oz/a	A	A					
20	Cobra	2	L	8 fl oz/a	B	B					
20	Select Max	0.97	L	9 fl oz/a	B	B					
20	Crop oil concentrate		L	0.5 % v/v	B	B					
20	AMS		WG	2.5 lb/a	B	B					
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	0	100	83	88	89
21	Metribuzin	75	WG	6 oz/a	A	A					
21	Cobra	2	L	8 fl oz/a	B	B					
21	Select Max	0.97	L	9 fl oz/a	B	B					
21	Crop oil concentrate		L	0.5 % v/v	B	B					
21	AMS		WG	2.5 lb/a	B	B					
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	0	99	96	94	100
22	Flexstar	1.88	L	1 pt/a	B	B					
22	Select Max	0.97	L	12 fl oz/a	B	B					
22	Crop oil concentrate		L	1 % v/v	B	B					
22	AMS		WG	2.5 lb/a	B	B					
23	Authority MTZ	45	WG	14 oz/a	A	A	0	90	100	62	100
23	Marvel	3	L	7.25 fl oz/a	B	B					
23	Select Max	0.97	L	12 fl oz/a	B	B					
23	Crop oil concentrate		L	1 % v/v	B	B					
23	AMS		WG	2.5 lb/a	B	B					

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code		ANGR	CHEAL	AMBEL	ABUTH
Crop Code	GLXMA				
Rating Date	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017	Aug-8-2017
Rating Type	injury	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	56 DA-B	56 DA-B	56 DA-B	56 DA-B	56 DA-B
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*	*	*
24	Authority MTZ	45	WG	14 oz/a	A	A	0	98	97	95	100
24	Anthem MAXX	4.3	L	3 fl oz/a	B	B					
24	Flexstar	1.88	L	1 pt/a	B	B					
24	Select Max	0.97	L	12 fl oz/a	B	B					
24	Crop oil concentrate		L	1 % v/v	B	B					
24	AMS		WG	2.5 lb/a	B	B					
25	Anthem MAXX	4.3	L	3.25 fl oz/a	A	A	0	86	63	86	90
25	Flexstar	1.88	L	1 pt/a	B	B					
25	Select Max	0.97	L	12 fl oz/a	B	B					
25	Crop oil concentrate		L	1 % v/v	B	B					
25	AMS		WG	2.5 lb/a	B	B					
26	Authority MAXX	66	WG	5 oz/a	A	A	0	100	100	5	100
26	Synchrony	28.4	WG	0.375 oz/a	B	B					
26	Anthem MAXX	4.3	L	3 oz/a	B	B					
26	Select Max	0.97	L	12 fl oz/a	B	B					
26	Surfactant		L	0.25 % v/v	B	B					
	LSD P=.05						.	6.7	10.5	11.1	6.3
	Standard Deviation						0.0	4.7	7.5	7.9	4.5
	CV						0.0	5.16	8.43	9.86	4.79

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	SINAR		
Crop Code	GLXMA	GLXMA	GLXMA
Rating Date	Aug-8-2017	Oct-18-2017	Oct-18-2017
Rating Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Trt-Eval Interval	56 DA-B	127 DA-B	at 13% M
Number of Decimals	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*
1	Metribuzin	75	WG	6 oz/a	A	A	100	13.6	50.5
1	Flexstar	1.88	L	1 pt/a	B	B			
1	Select Max	0.97	L	12 fl oz/a	B	B			
1	Crop oil concentrate		L	1 % v/v	B	B			
1	AMS		WG	2.5 lb/a	B	B			
2	Boundary	6.5	L	1.8 pt/a	A	A	100	13.5	55.7
2	Flexstar	1.88	L	1 pt/a	B	B			
2	Select Max	0.97	L	9 fl oz/a	B	B			
2	Crop oil concentrate		L	1 % v/v	B	B			
2	AMS		WG	2.5 lb/a	B	B			
3	Boundary	6.5	L	2.4 pt/a	A	A	100	13.7	50.8
3	Flexstar	1.88	L	1 pt/a	B	B			
3	Select Max	0.97	L	9 fl oz/a	B	B			
3	Crop oil concentrate		L	1 % v/v	B	B			
3	AMS		WG	2.5 lb/a	B	B			
4	Authority Elite/BroadAxe XC	7	L	32 fl oz/a	A	A	100	13.5	51.2
4	Flexstar	1.88	L	1 pt/a	B	B			
4	Select Max	0.97	L	12 fl oz/a	B	B			
4	Crop oil concentrate		L	1 % v/v	B	B			
4	AMS		WG	2.5 lb/a	B	B			
5	Authority MTZ	45	WG	14 oz/a	A	A	100	13.8	57.1
5	Flexstar	1.88	L	1 pt/a	B	B			
5	Select Max	0.97	L	12 fl oz/a	B	B			
5	Crop oil concentrate		L	1 % v/v	B	B			
5	AMS		WG	2.5 lb/a	B	B			
6	Authority MTZ	45	WG	14 oz/a	A	A	100	13.5	56.5
6	Command 3ME	3	L	21 fl oz/a	A	A			
6	Flexstar	1.88	L	1 pt/a	B	B			
6	Select Max	0.97	L	9 fl oz/a	B	B			
6	Crop oil concentrate		L	1 % v/v	B	B			
6	AMS		WG	2.5 lb/a	B	B			
7	Authority First	70	WG	5 oz/a	A	A	100	13.4	52.7
7	Command 3ME	3	L	21 fl oz/a	A	A			
7	Flexstar	1.88	L	1 pt/a	B	B			
7	Select Max	0.97	L	9 fl oz/a	B	B			
7	Crop oil concentrate		L	1 % v/v	B	B			
7	AMS		WG	2.5 lb/a	B	B			

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	SINAR		
Crop Code	GLXMA	GLXMA	GLXMA
Rating Date	Aug-8-2017	Oct-18-2017	Oct-18-2017
Rating Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Trt-Eval Interval	56 DA-B	127 DA-B	at 13% M
Number of Decimals	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*
8	Sonic	70	WG	6 oz/a	A	A	100	13.3	59.6
8	Boundary	6.5	L	1.5 pt/a	A	A			
8	Cobra	2	L	8 fl oz/a	B	B			
8	Select Max	0.97	L	12 fl oz/a	B	B			
8	Crop oil concentrate		L	0.5 % v/v	B	B			
8	AMS		WG	2.5 lb/a	B	B			
9	Untreated						0	14.0	14.4
10	Valor	51	WG	2.5 oz/a	A	A	100	13.6	55.3
10	Prowl H2O	3.8	L	2 pt/a	A	A			
10	Harmony SG	50	WG	0.125 oz/a	B	B			
10	Cobra	2	L	8 fl oz/a	B	B			
10	Select Max	0.97	L	12 fl oz/a	B	B			
10	Surfactant		L	0.25 % v/v	B	B			
11	Fierce	76	WG	3 oz/a	A	A	100	13.7	49.0
11	Ultra Blazer	2	L	1.5 pt/a	B	B			
11	Select Max	0.97	L	9 fl oz/a	B	B			
11	Surfactant		L	0.25 % v/v	B	B			
12	Fierce	76	WG	3 oz/a	A	A	100	13.5	47.4
12	Metribuzin	75	WG	6 oz/a	A	A			
12	Cobra	2	L	8 fl oz/a	B	B			
12	Select Max	0.97	L	9 fl oz/a	B	B			
12	Crop oil concentrate		L	0.5 % v/v	B	B			
12	AMS		WG	2.5 lb/a	B	B			
13	Authority MAXX	66	WG	6.5 oz/a	A	A	100	13.6	50.5
13	Flexstar	1.88	L	1 pt/a	B	B			
13	Select Max	0.97	L	12 fl oz/a	B	B			
13	Crop oil concentrate		L	1 % v/v	B	B			
13	AMS		WG	2.5 lb/a	B	B			
14	Rowel FX	40.3	WG	3 oz/a	A	A	100	13.4	52.0
14	Flexstar	1.88	L	1 pt/a	B	B			
14	Select Max	0.97	L	12 fl oz/a	B	B			
14	Crop oil concentrate		L	1 % v/v	B	B			
14	AMS		WG	2.5 lb/a	B	B			
15	Valor XLT	40.3	WG	2 oz/a	A	A	100	13.3	56.4
15	Valor	51	WG	1.5 oz/a	A	A			
15	Metribuzin	75	WG	6 oz/a	A	A			
15	Flexstar	1.88	L	1 pt/a	B	B			
15	Select Max	0.97	L	12 fl oz/a	B	B			
15	Crop oil concentrate		L	1 % v/v	B	B			
15	AMS		WG	2.5 lb/a	B	B			

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.



## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	SINAR		
Crop Code	GLXMA	GLXMA	GLXMA
Rating Date	Aug-8-2017	Oct-18-2017	Oct-18-2017
Rating Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Trt-Eval Interval	56 DA-B	127 DA-B	at 13% M
Number of Decimals	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Code	*	*	*
16	Valor XLT	40.3	WG	2 oz/a	A	A	100	13.5	53.0
16	Valor	51	WG	1.5 oz/a	A	A			
16	Boundary	6.5	EC	1.8 pt/a	A	A			
16	Flexstar	1.88	L	1 pt/a	B	B			
16	Select Max	0.97	L	9 fl oz/a	B	B			
16	Crop oil concentrate		L	1 % v/v	B	B			
16	AMS		WG	2.5 lb/a	B	B			
17	Afforia	50.8	WG	2.5 oz/a	A	A	100	14.5	34.5
17	Metribuzin	75	WG	5 oz/a	A	A			
17	Synchrony	28.4	WG	0.375 oz/a	B	B			
17	Assure II	0.88	L	8 fl oz/a	B	B			
17	Surfactant		L	0.25 % v/v	B	B			
18	Trivence	61.3	WG	8 oz/a	A	A	100	14.2	38.1
18	Synchrony	28.4	WG	0.375 oz/a	B	B			
18	Assure II	0.88	L	8 fl oz/a	B	B			
18	Surfactant		L	0.25 % v/v	B	B			
19	Trivence	61.3	WG	8 oz/a	A	A	100	13.1	53.8
19	Ultra Blazer	2	L	1.5 pt/a	B	B			
19	Select Max	0.97	L	12 fl oz/a	B	B			
19	Surfactant		L	0.25 % v/v	B	B			
20	Prefix	5.29	L	2 pt/a	A	A	100	13.2	56.5
20	Metribuzin	75	WG	6 oz/a	A	A			
20	Cobra	2	L	8 fl oz/a	B	B			
20	Select Max	0.97	L	9 fl oz/a	B	B			
20	Crop oil concentrate		L	0.5 % v/v	B	B			
20	AMS		WG	2.5 lb/a	B	B			
21	Warrant Ultra	3.45	L	50 fl oz/a	A	A	100	13.2	55.6
21	Metribuzin	75	WG	6 oz/a	A	A			
21	Cobra	2	L	8 fl oz/a	B	B			
21	Select Max	0.97	L	9 fl oz/a	B	B			
21	Crop oil concentrate		L	0.5 % v/v	B	B			
21	AMS		WG	2.5 lb/a	B	B			
22	Zidua PRO	4.09	L	6 fl oz/a	A	A	100	13.7	52.4
22	Flexstar	1.88	L	1 pt/a	B	B			
22	Select Max	0.97	L	12 fl oz/a	B	B			
22	Crop oil concentrate		L	1 % v/v	B	B			
22	AMS		WG	2.5 lb/a	B	B			
23	Authority MTZ	45	WG	14 oz/a	A	A	100	13.4	53.0
23	Marvel	3	L	7.25 fl oz/a	B	B			
23	Select Max	0.97	L	12 fl oz/a	B	B			
23	Crop oil concentrate		L	1 % v/v	B	B			
23	AMS		WG	2.5 lb/a	B	B			

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.

## Weed control in non-GMO soybean

Trial ID: SOY10-17

Location: Campus C-16

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

Pest Code	SINAR		
Crop Code	GLXMA	GLXMA	GLXMA
Rating Date	Aug-8-2017	Oct-18-2017	Oct-18-2017
Rating Type	control	moisture	yield
Rating Unit	percent	percent	bu/acre
Trt-Eval Interval	56 DA-B	127 DA-B	at 13% M
Number of Decimals	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Appl Code	*	*	*
24	Authority MTZ	45	WG	14	oz/a	A	100	13.4	55.8
24	Anthem MAXX	4.3	L	3	fl oz/a	B			
24	Flexstar	1.88	L	1	pt/a	B			
24	Select Max	0.97	L	12	fl oz/a	B			
24	Crop oil concentrate		L	1	% v/v	B			
24	AMS		WG	2.5	lb/a	B			
25	Anthem MAXX	4.3	L	3.25	fl oz/a	A	100	13.8	48.9
25	Flexstar	1.88	L	1	pt/a	B			
25	Select Max	0.97	L	12	fl oz/a	B			
25	Crop oil concentrate		L	1	% v/v	B			
25	AMS		WG	2.5	lb/a	B			
26	Authority MAXX	66	WG	5	oz/a	A	100	15.4	26.5
26	Synchrony	28.4	WG	0.375	oz/a	B			
26	Anthem MAXX	4.3	L	3	oz/a	B			
26	Select Max	0.97	L	12	fl oz/a	B			
26	Surfactant		L	0.25	% v/v	B			
	LSD P=.05						.	0.64	7.51
	Standard Deviation						0.0	0.45	5.33
	CV						0.0	3.32	10.74

\* Adjusted means

Could not calculate LSD (% mean diff) for columns 15,20,21,26 because error mean square = 0.