

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean

Trial ID: SOY06-20 Study Dir.: Sprague, Powell, Stiles
 Conducted: Campus, T-10 Investigator: Christy Sprague

Planting Date: May-24-2020 **Row Spacing:** 30 IN
Variety: P25T09E **No. of Reps:** 4
Population: 156000 S/A **% OM:** 3.1
Soil Type: L loam **pH:** 7.0
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plow and soil finish; Spring soil finish (2X)

Fertilizer:

Crop and Weed Description

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

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May-25-2020	Jun-25-2020
Time Treated:	8:15 AM	1:42 PM
% Cloud Cover:	95	55
Air Temp., Unit:	73 F	73 F
% Relative Humidity:	95	47
Wind Speed/Unit/Dir:	3 mph E	5 mph W
Soil Temp, Unit:	66 F	88 F
Leaf Moist/Dew Presence (Y/N):		5
Soil Moist:	5	5

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:		8 "
Stage:		V3

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:		6-11 " (8.5)
Stage:		4L
Weed 2 Name:	CHEAL	CHEAL
Height:		2-4 " (3)
Stage:		6-12L
Weed 3 Name:	AMAPO	AMAPO
Height:		
Stage:		
Weed 4 Name:	AMBEL	AMBEL
Height:		2-6 " (4)
Stage:		6-10 L
Weed 5 Name:	ABUTH	ABUTH
Height:		
Stage:		

Weed Density

	1	2	3	4	5
Date:	Jun-25-2020	Jun-25-2020	Jun-25-2020	Jun-25-2020	Jun-25-2020
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Density:	8 FT2	5 FT2	1 FT2	3 FT2	1 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	20 "	20 "	100 "	19 GPA	WATER	30 psi
B	CUB	3.8 mph	AIXR	11003	26 "	26 "	100 "	19 GPA	WATER	30 psi

Comments: The common ragweed (AMBEL) population in this study is resistant to Group 2 (ALS-inhibiting) herbicides.

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean
Trial ID: SOY06-20 **Location: Campus, T-10** **Trial Year: 2020**
Protocol ID: SOY06-20 **Investigator (Creator): Christy Sprague**
Project ID: **Study Director: Sprague, Powell, Stiles**
Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	C GLXMA
Crop Type, Code	C GLXMA				C GLXMA
Rating Date	Jun-15-2020	Jun-15-2020	Jun-15-2020	Jun-15-2020	Jun-25-2020
Rating Type	injury	control	control	control	injury
Rating Unit	percent	percent	percent	percent	percent
Trt-Eval Interval	21 DA-A	21 DA-A	21 DA-A	21 DA-A	31 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code						
1	Dual Magnum	7.62 L	L	2 pt/a	pt/a	PRE	A	1	99	100	100	94	2
	Metribuzin	75 WG	WG	6 oz/a	oz/a	PRE	A						
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
2	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	1	95	94	100	81	1
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
3	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	0	97	95	100	87	0
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
4	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	2	96	94	100	84	2
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
5	Untreated							0	0	0	0	0	0
6	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	1	98	100	100	86	1
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
7	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	3	97	96	100	87	2
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
8	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	0	98	98	100	87	2
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
9	Prefix	5.29 L	L	2 pt/a	pt/a	PRE	A	0	94	100	100	98	2
	FirstRate	84 WG	WG	0.5 oz/a	oz/a	PRE	A						
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
10	Zidua PRO	4.09 L	L	6 fl oz/a	fl oz/a	PRE	A	1	93	100	100	94	3
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Outlook	6 L	L	10 fl oz/a	fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
	LSD P=.05							2.3	4.9	4.5	.	5.9	2.2
	Standard Deviation							1.6	3.4	3.1	0.0	4.0	1.5
	CV							200.12	3.93	3.55	0.0	5.06	99.79

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean
 Trial ID: SOY06-20 Location: Campus, T-10 Trial Year: 2020
 Protocol ID: SOY06-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	ANGR	CHEAL	AMAPO	AMBEL	C GLXMA	ANGR
Crop Type, Code						
Rating Date	Jun-25-2020	Jun-25-2020	Jun-25-2020	Jun-25-2020	Jul-2-2020	Jul-2-2020
Rating Type	control	control	control	control	injury	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	31 DA-A	31 DA-A	31 DA-A	31 DA-A	7 DA-B	7 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code						
1	Dual Magnum	7.62 L		2 pt/a	PRE	A	98	95	100	87	5	100
	Metribuzin	75 WG		6 oz/a	PRE	A						
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		4 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
2	Boundary	6.5 L		1.5 pt/a	PRE	A	89	88	98	77	0	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
3	Boundary	6.5 L		1.5 pt/a	PRE	A	92	91	98	79	4	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		2.75 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
4	Boundary	6.5 L		1.5 pt/a	PRE	A	91	90	100	78	5	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		4 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
5	Untreated						0	0	0	0	0	0
6	Boundary	6.5 L		2 pt/a	PRE	A	96	98	100	80	0	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
7	Boundary	6.5 L		2 pt/a	PRE	A	95	90	100	81	3	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		2.75 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
8	Boundary	6.5 L		2 pt/a	PRE	A	98	96	100	79	7	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		4 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
9	Prefix	5.29 L		2 pt/a	PRE	A	89	100	100	91	6	100
	FirstRate	84 WG		0.5 oz/a	PRE	A						
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Sequence	5.25 L		4 pt/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
10	Zidua PRO	4.09 L		6 fl oz/a	PRE	A	85	100	100	90	3	100
	Enlist One	3.8 SL		2 pt/a	POST	B						
	Outlook	6 L		10 fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL		32 fl oz/a	POST	B						
	Request	L		0.5 % v/v	POST	B						
	LSD P=.05						6.3	9.6	3.3	6.8	1.5	0.5
	Standard Deviation						4.3	6.6	2.3	4.7	1.0	0.3
	CV						5.21	7.8	2.54	6.35	32.8	0.35

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean
 Trial ID: SOY06-20 Location: Campus, T-10 Trial Year: 2020
 Protocol ID: SOY06-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	CHEAL	AMAPO	AMBEL	ABUTH	C GLXMA	ANGR	CHEAL
Crop Type, Code							
Rating Date	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-2-2020	Jul-9-2020	Jul-9-2020	Jul-9-2020
Rating Type	control	control	control	control	injury	control	control
Rating Unit	percent	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	7 DA-B	7 DA-B	7 DA-B	7 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Appl Timing	Appl Code							
1	Dual Magnum	7.62 L	L	2 pt/a	PRE	A	100	100	100	100	5	100	100
	Metribuzin	75 WG	WG	6 oz/a	PRE	A							
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	4 pt/a	POST	B							
				0.5 % v/v	POST	B							
2	Boundary	6.5 L	L	1.5 pt/a	PRE	A	100	100	99	100	0	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B							
	Sequence Request		L	0.5 % v/v	POST	B							
3	Boundary	6.5 L	L	1.5 pt/a	PRE	A	100	100	99	100	3	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	2.75 pt/a	POST	B							
			L	0.5 % v/v	POST	B							
4	Boundary	6.5 L	L	1.5 pt/a	PRE	A	100	100	100	100	6	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	4 pt/a	POST	B							
			L	0.5 % v/v	POST	B							
5	Untreated						0	0	0	0	0	0	0
6	Boundary	6.5 L	L	2 pt/a	PRE	A	100	100	100	100	0	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B							
	Sequence Request		L	0.5 % v/v	POST	B							
7	Boundary	6.5 L	L	2 pt/a	PRE	A	100	100	99	100	4	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	2.75 pt/a	POST	B							
			L	0.5 % v/v	POST	B							
8	Boundary	6.5 L	L	2 pt/a	PRE	A	100	100	100	100	5	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	4 pt/a	POST	B							
			L	0.5 % v/v	POST	B							
9	Prefix	5.29 L	L	2 pt/a	PRE	A	100	100	100	100	4	100	100
	FirstRate	84 WG	WG	0.5 oz/a	PRE	A							
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Sequence Request	5.25 L	L	4 pt/a	POST	B							
			L	0.5 % v/v	POST	B							
10	Zidua PRO	4.09 L	L	6 fl oz/a	PRE	A	100	100	100	100	3	100	100
	Enlist One	3.8 SL	SL	2 pt/a	POST	B							
	Outlook	6 L	L	10 fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	POST	B							
	Sequence Request		L	0.5 % v/v	POST	B							
	LSD P=.05						.	.	1.7	.	2.7	.	.
	Standard Deviation						0.0	0.0	1.2	0.0	1.9	0.0	0.0
	CV						0.0	0.0	1.29	0.0	65.1	0.0	0.0

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean

Trial ID: SOY06-20 Location: Campus, T-10 Trial Year: 2020
 Protocol ID: SOY06-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	AMAPO	AMBEL	ABUTH	C GLXMA	ANGR	CHEAL	AMAPO
Crop Type, Code	Jul-9-2020	Jul-9-2020	Jul-9-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020	Jul-23-2020
Rating Date	control	control	control	injury	control	control	control
Rating Type	percent	percent	percent	percent	percent	percent	percent
Rating Unit	14 DA-B	14 DA-B	14 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Trt-Eval Interval	0	0	0	0	0	0	0
Number of Decimals							

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code	AMAPO	AMBEL	ABUTH	C GLXMA	ANGR	CHEAL	AMAPO
1	Dual Magnum	7.62 L	L	2 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Metribuzin	75 WG	WG	6 oz/a	oz/a	PRE	A							
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
2	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
3	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
4	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
5	Untreated							0	0	0	0	0	0	0
6	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
7	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
8	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
9	Prefix	5.29 L	L	2 pt/a	pt/a	PRE	A	100	100	100	0	100	100	100
	FirstRate	84 WG	WG	0.5 oz/a	oz/a	PRE	A							
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
10	Zidua PRO	4.09 L	L	6 fl oz/a	fl oz/a	PRE	A	100	100	100	0	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B							
	Outlook	6 L	L	10 fl oz/a	fl oz/a	POST	B							
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B							
	Request	L	L	0.5 % v/v	% v/v	POST	B							
	LSD P=.05							0.0	0.0	0.0	0.0	0.6	0.5	0.0
	Standard Deviation							0.0	0.0	0.0	0.0	0.4	0.3	0.0
	CV							0.0	0.0	0.0	0.0	0.47	0.35	0.0

Could not calculate LSD (% mean diff) for columns 4,13,14,16,18,19,20,21,22,23,26,27,28,31,32,33 because error mean square = 0.

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean

Trial ID: SOY06-20 Location: Campus, T-10 Trial Year: 2020
 Protocol ID: SOY06-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	AMBEL	ABUTH	ANGR	CHEAL	AMAPO	AMBEL
Crop Type, Code						
Rating Date	Jul-23-2020	Jul-23-2020	Oct-14-2020	Oct-14-2020	Oct-14-2020	Oct-14-2020
Rating Type	control	control	control	control	control	control
Rating Unit	percent	percent	percent	percent	percent	percent
Trt-Eval Interval	28 DA-B	28 DA-B	111 DA-B	111 DA-B	111 DA-B	111 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code						
1	Dual Magnum	7.62 L	L	2 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Metribuzin	75 WG	WG	6 oz/a	oz/a	PRE	A						
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
2	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
3	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	99	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
4	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
5	Untreated							0	0	0	0	0	0
6	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
7	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
8	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
9	Prefix	5.29 L	L	2 pt/a	pt/a	PRE	A	100	100	100	100	100	100
	FirstRate	84 WG	WG	0.5 oz/a	oz/a	PRE	A						
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
10	Zidua PRO	4.09 L	L	6 fl oz/a	fl oz/a	PRE	A	100	100	100	100	100	100
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B						
	Outlook	6 L	L	10 fl oz/a	fl oz/a	POST	B						
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B						
	Request	L	L	0.5 % v/v	% v/v	POST	B						
	LSD P=.05							.	.	0.7	0.5	.	.
	Standard Deviation							0.0	0.0	0.5	0.3	0.0	0.0
	CV							0.0	0.0	0.53	0.35	0.0	0.0

Crop safety and weed control with higher rates of s-metolachlor in Enlist E3 soybean
 Trial ID: SOY06-20 Location: Campus, T-10 Trial Year: 2020
 Protocol ID: SOY06-20 Investigator (Creator): Christy Sprague
 Project ID: Study Director: Sprague, Powell, Stiles
 Sponsor Contact:

Pest Code	ABUTH		
Crop Type, Code	C GLXMA	C GLXMA	
Rating Date	Oct-14-2020	Oct-14-2020	Oct-14-2020
Rating Type	control	moisture	yield
Rating Unit	percent	percent	bu/A
Trt-Eval Interval	111 DA-B	111 DA-B	at 13% M
Number of Decimals	0	1	1

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Appl Timing	Appl Code			
1	Dual Magnum	7.62 L	L	2 pt/a	pt/a	PRE	A	100	14.5	58.1
	Metribuzin	75 WG	WG	6 oz/a	oz/a	PRE	A			
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
2	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	14.9	56.7
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
3	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	14.8	60.0
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
4	Boundary	6.5 L	L	1.5 pt/a	pt/a	PRE	A	100	15.0	56.6
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
5	Untreated							0	19.7	17.9
6	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	15.1	56.2
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
7	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	14.7	64.6
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	2.75 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
8	Boundary	6.5 L	L	2 pt/a	pt/a	PRE	A	100	14.7	61.8
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
9	Prefix	5.29 L	L	2 pt/a	pt/a	PRE	A	100	14.7	59.9
	FirstRate	84 WG	WG	0.5 oz/a	oz/a	PRE	A			
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Sequence	5.25 L	L	4 pt/a	pt/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
10	Zidua PRO	4.09 L	L	6 fl oz/a	fl oz/a	PRE	A	100	14.8	58.3
	Enlist One	3.8 SL	SL	2 pt/a	pt/a	POST	B			
	Outlook	6 L	L	10 fl oz/a	fl oz/a	POST	B			
	Roundup PowerMax	4.5 SL	SL	32 fl oz/a	fl oz/a	POST	B			
	Request	L	L	0.5 % v/v	% v/v	POST	B			
	LSD P=.05								0.87	7.46
	Standard Deviation								0.60	5.14
	CV								3.91	9.34