

Weed control with Convintro alone and in combination with various soil-applied herbicides

Trial ID: SOY06-25 Study Dir.: Stiles, Sprague
 Conducted: Campus, C-14 Investigator: Christy Sprague

Planting Date: May-14-2025 **Row Spacing:** 30 "
Variety: AG24XF4 **No. of Reps:** 4
Population: 150000 S/A **% OM:** 1.6
Soil Type: CL clay loam **pH:** 7.2
Plot Size: 10 X 30 FT **Study Design:** Randomized Complete Block (RCB)

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

Fertilizer:

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	annual grasses	mostly giant foxtail and barnyardgrass
2	CHEAL	common lambsquarters	Chenopodium album
3	AMBEL	common ragweed	Ambrosia artemisiifolia
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May-14-2025	Jun-17-2025
Time Treated:	4:00 PM	
% Cloud Cover:	77	
Air Temp., Unit:	70 F	
% Relative Humidity:	90	
Wind Speed/Unit/Dir:	7 MPH SSW	
Soil Temp, Unit:	78 F	
Leaf Moist/Dew Presence (Y/N):	N	
Soil Moist:	5	

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:		5 "
Stage:		V2

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:		6 "
Stage:		
Weed 2 Name:	CHEAL	CHEAL
Height:		4-6 " (5)
Stage:		
Weed 3 Name:	AMBEL	AMBEL
Height:		5 "
Stage:		

Weed Density

	1	2	3
Date:	May-14-2025	May-14-2025	May-14-2025
Weed Name:	ANGR	CHEAL	AMBEL
Density:	2 FT2	1 FT2	9 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	18.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	AIXR	11003	24.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI

Comments: Roundup PowerMax 3 at 30 fl oz/A + AMS was applied on June 17 to the entire plot area. Soybean were at V2 stage, 4-6" tall

Michigan State University

Weed control with Convintro alone and in combination with various soil-applied herbicides

Trial ID: SOY06-25

Protocol ID: SOY06-25 Location: Campus, C-14 Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	May-28-2025	Jun-4-2025	Jun-11-2025	Jun-11-2025	Jun-11-2025	Jun-11-2025	Jun-17-2025
Rating Type	injury	injury	injury	control	control	control	injury
Rating Unit	%	%	%	%	%	%	%
Crop Type, Code	C, GLXMA	C, GLXMA	C, GLXMA				C, GLXMA
Pest Code				ANGR	CHEAL	AMBEL	
Treatment Appl. Interval	14 DA-A	21 DA-A	28 DA-A	28 DA-A	28 DA-A	28 DA-A	34 DA-A
Number of Decimals	0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl Unit	Appl Code	Appl Timing		
1	Untreated					0	0
2	Convintro (SC500)	4.1 fl oz/a	A	PRE		0	0
3	Convintro (SC500)	4.1 fl oz/a	A	PRE		0	0
	Mauler	6 fl oz/a	A	PRE		1	88
4	Convintro (SC500)	4.1 fl oz/a	A	PRE		2	95
	Warrant	3 pt/a	A	PRE		95	95
5	Mauler	6 fl oz/a	A	PRE		10	58
	Warrant	3 pt/a	A	PRE		100	100
6	Convintro (SC500)	4.1 fl oz/a	A	PRE		3	71
	Mauler	6 fl oz/a	A	PRE		100	100
	Warrant	3 pt/a	A	PRE		71	71
7	Valor EZ	2 fl oz/a	A	PRE		0	79
8	Convintro (SC500)	4.1 fl oz/a	A	PRE		89	98
	Valor EZ	2 fl oz/a	A	PRE		96	100
9	Convintro (SC500)	4.1 fl oz/a	A	PRE		5	82
	Fierce EZ	6 fl oz/a	A	PRE		7	65
10	Convintro (SC500)	4.1 fl oz/a	A	PRE		8	95
	Mauler	6 fl oz/a	A	PRE		100	100
	Zidua SC	4 fl oz/a	A	PRE		95	95
11	Boundary	2 pt/a	A	PRE		10	85
12	Fierce MTZ	1 pt/a	A	PRE		6	100
	LSD P=.05					7.3	7.3
	Standard Deviation					5.1	5.1
	CV					5.8	5.67

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,13,15 because error variance is 0.

Mean separation letters are 'na' (not applicable) when error variance is 0

Michigan State University

Weed control with Convintro alone and in combination with various soil-applied herbicides

Trial ID: SOY06-25

Protocol ID: SOY06-25 Location: Campus, C-14 Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date					Jun-17-2025	Jun-17-2025	Jun-17-2025	Jun-25-2025	Jun-25-2025	Jun-25-2025	Jun-25-2025
Rating Type					control	control	control	injury	control	control	control
Rating Unit					%	%	%	%	%	%	%
Crop Type, Code								C, GLXMA			
Pest Code					ANGR	CHEAL	AMBEL		ANGR	CHEAL	AMBEL
Treatment Appl. Interval					34 DA-A	34 DA-A	34 DA-A	8 DA-B	8 DA-B	8 DA-B	8 DA-B
Number of Decimals					0	0	0	0	0	0	0
Trt No.	Treatment Name	Rate	Appl Unit	Appl Code	Timing						
1	Untreated					0	0	0	0	100	83
2	Convintro (SC500)	4.1 fl oz/a	A	PRE		0	43	20	2	100	89
3	Convintro (SC500)	4.1 fl oz/a	A	PRE		0	100	60	1	100	88
	Mauler	6 fl oz/a	A	PRE							
4	Convintro (SC500)	4.1 fl oz/a	A	PRE		90	95	23	2	100	88
	Warrant	3 pt/a	A	PRE							
5	Mauler	6 fl oz/a	A	PRE		96	100	64	1	100	90
	Warrant	3 pt/a	A	PRE							
6	Convintro (SC500)	4.1 fl oz/a	A	PRE		98	100	76	0	100	93
	Mauler	6 fl oz/a	A	PRE							
	Warrant	3 pt/a	A	PRE							
7	Valor EZ	2 fl oz/a	A	PRE		0	97	77	0	100	98
8	Convintro (SC500)	4.1 fl oz/a	A	PRE		0	98	82	0	100	99
	Valor EZ	2 fl oz/a	A	PRE							
9	Convintro (SC500)	4.1 fl oz/a	A	PRE		89	100	69	1	100	93
	Fierce EZ	6 fl oz/a	A	PRE							
10	Convintro (SC500)	4.1 fl oz/a	A	PRE		100	100	93	4	100	98
	Mauler	6 fl oz/a	A	PRE							
	Zidua SC	4 fl oz/a	A	PRE							
11	Boundary	2 pt/a	A	PRE		100	100	78	4	100	96
12	Fierce MTZ	1 pt/a	A	PRE		100	100	95	2	100	100
	LSD P=.05					5.7	5.2	8.0	2.4	0.6	6.9
	Standard Deviation					4.0	3.6	5.5	1.7	0.4	4.8
	CV					7.13	4.2	9.05	122.36	0.39	5.19

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,13,15 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0

Weed control with Convintro alone and in combination with various soil-applied herbicides

Protocol ID: SOY06-25 Location: Campus, C-14 Trial Year: 2025

Investigator: Christy Sprague

Could not calculate LSD (% mean diff) or mean separation letters for columns 1,13,15 because error variance is 0.
Mean separation letters are 'na' (not applicable) when error variance is 0

Weed control with Convintro alone and in combination with various soil-applied herbicides

Trial ID: SOY06-25

Protocol ID: SOY06-25 Location: Campus, C-14 Trial Year: 2025

Study Director: Stiles, Sprague Sponsor Contact:

Investigator: Christy Sprague

Rating Date	Oct-6-2025
Rating Type	yield
Rating Unit	bu/A
Crop Type, Code	C, GLXMA
Pest Code	
Treatment Appl. Interval	111 DA-B
Number of Decimals	1

Trt No.	Treatment Name	Rate	Unit	Appl Code	Appl Timing	
1	Untreated					42.9
2	Convintro (SC500)	4.1 fl oz/a	A	PRE		44.4
3	Convintro (SC500)	4.1 fl oz/a	A	PRE		45.2
	Mauler	6 fl oz/a	A	PRE		
4	Convintro (SC500)	4.1 fl oz/a	A	PRE		42.0
	Warrant	3 pt/a	A	PRE		
5	Mauler	6 fl oz/a	A	PRE		46.1
	Warrant	3 pt/a	A	PRE		
6	Convintro (SC500)	4.1 fl oz/a	A	PRE		42.5
	Mauler	6 fl oz/a	A	PRE		
	Warrant	3 pt/a	A	PRE		
7	Valor EZ	2 fl oz/a	A	PRE		45.9
8	Convintro (SC500)	4.1 fl oz/a	A	PRE		44.0
	Valor EZ	2 fl oz/a	A	PRE		
9	Convintro (SC500)	4.1 fl oz/a	A	PRE		46.7
	Fierce EZ	6 fl oz/a	A	PRE		
10	Convintro (SC500)	4.1 fl oz/a	A	PRE		44.5
	Mauler	6 fl oz/a	A	PRE		
	Zidua SC	4 fl oz/a	A	PRE		
11	Boundary	2 pt/a	A	PRE		45.3
12	Fierce MTZ	1 pt/a	A	PRE		47.9
	LSD P=.05					4.47
	Standard Deviation					3.11
	CV					6.94