

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22 Study Dir.: Sprague, Stiles, Powell
 Conducted: Campus, T-10 Investigator:

Planting Date: May-16-2022 **Row Spacing:** 30 IN
Variety: AG24XF1 **No. of Reps:** 4
Population: 150000 seeds/A **% OM:** 2.2
Soil Type: CL clay loam **pH:** 7.2
Plot Size: 10 X 35 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	annual grass	mainly foxtail species and barnyardgrass
2	CHEAL	common lambsquarters	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	common ragweed	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
6	SINAR	wild mustard	Sinapis arvensis
Crop	Code	Common Name	
1	GLXMA	Soybean	

Application Description

	A	B
Application Timing:	PRE	POST
Date Treated:	May-17-2022	Jun-27-2022
Time Treated:	9:16 AM	8:30 AM
% Cloud Cover:	0	0
Air Temp., Unit:	53 F	62 F
% Relative Humidity:	57	53
Wind Speed/Unit/Dir:	8 MPH NW	8 MPH E
Soil Temp, Unit:	54 F	80 F
Leaf Moist/Dew Presence (Y/N):	N	N
Soil Moist:	5	5

Crop Stage at Each Application

	A	B
Crop 1 Name:	GLXMA	GLXMA
Height:		10 "
Stage:		V8

Weed Stage at Each Application

	A	B
Weed 1 Name:	ANGR	ANGR
Height:		12 "
Stage:		6 L
Weed 2 Name:	CHEAL	CHEAL
Height:		6 "
Stage:		15 L
Weed 3 Name:	AMAPO	AMAPO
Height:		5 "
Stage:		8 L
Weed 4 Name:	AMBEL	AMBEL
Height:		12 "
Stage:		10 L
Weed 5 Name:	ABUTH	ABUTH
Height:		6.5 "
Stage:		4 L
Weed 6 Name:	SINAR	SINAR
Height:		12 "
Stage:		flower

Weed Density

	1	2	3	4	5	6
Date:	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022	Jun-27-2022
Weed Name:	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	SINAR
Density:	2.5 FT2	1 FT2	1 FT2	2.5 FT2	1 FT2	1 FT2

Application Equipment

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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	21.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	30 PSI
B	CUB	3.8 MPH	TTI	11003	28.0 "	28.0 "	100.0 "	19 GAL/AC	WATER	25 PSI

Comments: The GPS coordinates for this trial are 42°41'8"N; 84°29'8"W. The soybean variety AG24XF1 is reported to have some sensitivity to the Group 14 herbicides.

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 Project ID: Project ID 2: Project ID 3:
 Study Director: Sprague, Stiles, Powell Sponsor Contact:
 Investigator (Creator): Christy Sprague

Pest Code		ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Type, Code	C, GLXMA C, GLXMA					
Rating Date	May-31-2022 Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Type	injury injury	control	control	control	control	control
Rating Unit/Min/Max	%, 0, 100 % , 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	14 DA-A 22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A
Number of Decimals	0 0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Unit	Appl Timing	Appl Code						
1	Untreated					0	0	0	0	0	0
2	Tendovo	2.1 qt/a	PRE	A		0	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
3	Tendovo	2.35 qt/a	PRE	A		0	3	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
4	Boundary	2.4 pt/a	PRE	A		0	3	100	100	95	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
5	BroadAxe XC	32 fl oz/a	PRE	A		24	21	100	100	86	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
6	Sonic	8 oz/a	PRE	A		34	35	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
7	Fierce MTZ	1.5 pt/a	PRE	A		19	5	100	100	99	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
8	Zidua PRO	6 fl oz/a	PRE	A		39	31	100	100	99	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
9	Authority Edge	11 fl oz/a	PRE	A		31	23	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							

Could not calculate LSD (% mean diff) for columns 3,4,6,7,10,11,13,17,18,21,24,25,28,30,31 because error mean square = 0.

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 Project ID: Project ID 2: Project ID 3:
 Study Director: Sprague, Stiles, Powell Sponsor Contact:
 Investigator (Creator): Christy Sprague

Pest Code		ANGR	CHEAL	AMBEL	ABUTH	SINAR
Crop Type, Code	C, GLXMA C, GLXMA					
Rating Date	May-31-2022 Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Type	injury injury	control control	control control	control control	control control	control control
Rating Unit/Min/Max	%, 0, 100 % , 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	14 DA-A 22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A	22 DA-A
Number of Decimals	0 0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code						
10	Tavium	3.53	pt/a	POST	B	0	0	0	0	0	0
	Roundup PowerMax 3	30	fl oz/a	POST	B						
	Class Act Ridion	1	% v/v	POST	B						
	Volt-Edge	20	fl oz/a	POST	B						
	Cognitive 1	1	% v/v	POST	B						
	LSD P=.05	3.6				5.9			5.9		
	Standard Deviation	2.5				4.1	0.0	0.0	4.0	0.0	0.0
	CV	17.0				34.02	0.0	0.0	5.2	0.0	0.0

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Pest Code	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C, GLXMA				
Rating Date	Jun-26-2022	Jun-26-2022	Jun-26-2022	Jun-26-2022	Jun-26-2022
Rating Type	injury	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A
Number of Decimals	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code					
1	Untreated					0	0	0	0	0
2	Tendovo	2.1	qt/a	PRE	A	0	100	100	100	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
3	Tendovo	2.35	qt/a	PRE	A	0	100	100	100	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
4	Boundary	2.4	pt/a	PRE	A	0	100	100	89	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
5	BroadAxe XC	32	fl oz/a	PRE	A	1	100	100	76	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
6	Sonic	8	oz/a	PRE	A	23	100	100	97	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
7	Fierce MTZ	1.5	pt/a	PRE	A	1	100	100	99	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
8	Zidua PRO	6	fl oz/a	PRE	A	28	100	100	99	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					
9	Authority Edge	11	fl oz/a	PRE	A	9	100	100	93	100
	Tavium	3.53	pt/a	POST	B					
	Roundup PowerMax 3	30	fl oz/a	POST	B					
	Class Act Ridion	1	% v/v	POST	B					
	Volt-Edge	20	fl oz/a	POST	B					
	Cognitive 1	1	% v/v	POST	B					

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Pest Code		ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C, GLXMA					
Rating Date	Jun-26-2022	Jun-26-2022	Jun-26-2022	Jun-26-2022	Jun-26-2022	Jun-26-2022
Rating Type	injury	control	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A	40 DA-A
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code						
10	Tavium	3.53	pt/a	POST	B	0	0	0	0	0	0
	Roundup PowerMax 3	30	fl oz/a	POST	B						
	Class Act Ridion	1	% v/v	POST	B						
	Volt-Edge	20	fl oz/a	POST	B						
	Cognitive 1	1	% v/v	POST	B						
	LSD P=.05	5.7				0.5	.	.	6.0	.	
	Standard Deviation	3.9				0.3	0.0	0.0	4.2	0.0	
	CV	63.85				0.4	0.0	0.0	5.55	0.0	

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Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C, GLXMA					
Rating Date	Jun-26-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022
Rating Type	control	injury	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	40 DA-A	14 DA-B	14 DA-B	14 DA-B	14 DA-B	14 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Unit	Appl Timing	Code						
1	Untreated					0	0	0	0	0	0
2	Tendovo	2.1 qt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
3	Tendovo	2.35 qt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
4	Boundary	2.4 pt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
5	BroadAxe XC	32 fl oz/a	PRE	A		99	7	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
6	Sonic	8 oz/a	PRE	A		100	20	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
7	Fierce MTZ	1.5 pt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
8	Zidua PRO	6 fl oz/a	PRE	A		100	24	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
9	Authority Edge	11 fl oz/a	PRE	A		100	9	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							

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Pest Code	SINAR	C, GLXMA	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code							
Rating Date	Jun-26-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022	Jul-11-2022
Rating Type	control	injury	control	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	40 DA-A	14 DA-B	14 DA-B	14 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	Rate	Unit	Appl Timing	Appl Code							
10	Tavium	3.53	pt/a	POST	B	0	0	96	100	100	84	98
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
	LSD P=.05					1.1	4.1	1.1	.	.	1.3	2.3
	Standard Deviation					0.8	2.8	0.8	0.0	0.0	0.9	1.6
	CV					0.99	47.54	0.88	0.0	0.0	0.99	1.76

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Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C, GLXMA					
Rating Date	Jul-11-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022
Rating Type	control	injury	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	14 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Appl Unit	Appl Timing	Appl Code						
1	Untreated					0	0	0	0	0	0
2	Tendovo	2.1 qt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
3	Tendovo	2.35 qt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
4	Boundary	2.4 pt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
5	BroadAxe XC	32 fl oz/a	PRE	A		100	7	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
6	Sonic	8 oz/a	PRE	A		100	8	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
7	Fierce MTZ	1.5 pt/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
8	Zidua PRO	6 fl oz/a	PRE	A		100	16	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							
9	Authority Edge	11 fl oz/a	PRE	A		100	0	100	100	100	100
	Tavium	3.53 pt/a	POST	B							
	Roundup PowerMax 3	30 fl oz/a	POST	B							
	Class Act Ridion	1 % v/v	POST	B							
	Volt-Edge	20 fl oz/a	POST	B							
	Cognitive 1	1 % v/v	POST	B							

Could not calculate LSD (% mean diff) for columns 3,4,6,7,10,11,13,17,18,21,24,25,28,30,31 because error mean square = 0.

Michigan State University

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22 Cooperator Trial ID:
 Protocol ID: SOY13-22 Location: Campus, T-10 Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sprague, Stiles, Powell Sponsor Contact:
 Investigator (Creator): Christy Sprague

Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH
Crop Type, Code	C, GLXMA					
Rating Date	Jul-11-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022	Jul-25-2022
Rating Type	control	injury	control	control	control	control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	14 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B	28 DA-B
Number of Decimals	0	0	0	0	0	0

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code							
10	Tavium	3.53	pt/a	POST	B	100	0	90	100	100	90	99
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
	LSD P=.05						1.3	3.2			1.6	1.1
	Standard Deviation					0.0	0.9	2.2	0.0	0.0	1.1	0.8
	CV					0.0	30.56	2.51	0.0	0.0	1.24	0.88

Could not calculate LSD (% mean diff) for columns 3,4,6,7,10,11,13,17,18,21,24,25,28,30,31 because error mean square = 0.

Michigan State University

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22 Cooperator Trial ID:
 Protocol ID: SOY13-22 Location: Campus, T-10 Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sprague, Stiles, Powell Sponsor Contact:
 Investigator (Creator): Christy Sprague

Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	C, GLXMA
Crop Type, Code							
Rating Date	Jul-25-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-21-2022
Rating Type	control	control	control	control	control	control	moisture
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	28 DA-B	102 DA-B	102 DA-B	102 DA-B	102 DA-B	102 DA-B	116 DA-B
Number of Decimals	0	0	0	0	0	0	1

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code							
1	Untreated					0	0	0	0	0	0	18.7
2	Tendovo	2.1	qt/a	PRE	A	100	100	100	100	100	100	17.5
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
3	Tendovo	2.35	qt/a	PRE	A	100	100	100	100	100	100	17.6
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
4	Boundary	2.4	pt/a	PRE	A	100	100	100	100	100	100	17.6
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
5	BroadAxe XC	32	fl oz/a	PRE	A	100	100	100	100	100	100	17.8
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
6	Sonic	8	oz/a	PRE	A	100	98	100	100	100	100	17.7
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
7	Fierce MTZ	1.5	pt/a	PRE	A	100	100	100	100	100	100	18.5
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
8	Zidua PRO	6	fl oz/a	PRE	A	100	100	100	100	100	100	17.5
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
9	Authority Edge	11	fl oz/a	PRE	A	100	100	100	100	99	100	17.2
	Tavium	3.53	pt/a	POST	B							
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							

Could not calculate LSD (% mean diff) for columns 3,4,6,7,10,11,13,17,18,21,24,25,28,30,31 because error mean square = 0.

Michigan State University

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22 Cooperator Trial ID:
 Protocol ID: SOY13-22 Location: Campus, T-10 Trial Year: 2022
 Project ID: Project ID 2: Project ID 3:
 Study Director: Sprague, Stiles, Powell Sponsor Contact:
 Investigator (Creator): Christy Sprague

Pest Code	SINAR	ANGR	CHEAL	AMAPO	AMBEL	ABUTH	C, GLXMA
Crop Type, Code							
Rating Date	Jul-25-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-7-2022	Oct-21-2022
Rating Type	control	control	control	control	control	control	moisture
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	28 DA-B	102 DA-B	102 DA-B	102 DA-B	102 DA-B	102 DA-B	116 DA-B
Number of Decimals	0	0	0	0	0	0	1

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code							
10	Tavium	3.53	pt/a	POST	B	100	91	100	100	91	96	17.6
	Roundup PowerMax 3	30	fl oz/a	POST	B							
	Class Act Ridion	1	% v/v	POST	B							
	Volt-Edge	20	fl oz/a	POST	B							
	Cognitive 1	1	% v/v	POST	B							
	LSD P=.05	.				4.7	.	.	.	1.0	3.4	1.22
	Standard Deviation	0.0				3.2	0.0	0.0	0.0	0.7	2.4	0.84
	CV	0.0				3.64	0.0	0.0	0.0	0.74	2.65	4.74

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22

Cooperator Trial ID:

Protocol ID: SOY13-22 Location: Campus, T-10

Trial Year: 2022

Project ID: Project ID 2: Project ID 3:

Study Director: Sprague, Stiles, Powell

Sponsor Contact:

Investigator (Creator): Christy Sprague

Pest Code	
Crop Type, Code	C, GLXMA
Rating Date	Oct-21-2022
Rating Type	yield
Rating Unit/Min/Max	bu/A, -, -
Trt-Eval Interval	@13% moist
Number of Decimals	1

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code	
1	Untreated					26.8
2	Tendovo	2.1	qt/a	PRE	A	56.4
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
3	Tendovo	2.35	qt/a	PRE	A	54.5
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
4	Boundary	2.4	pt/a	PRE	A	57.1
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
5	BroadAxe XC	32	fl oz/a	PRE	A	53.8
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
6	Sonic	8	oz/a	PRE	A	51.1
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
7	Fierce MTZ	1.5	pt/a	PRE	A	52.9
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
8	Zidua PRO	6	fl oz/a	PRE	A	52.1
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
9	Authority Edge	11	fl oz/a	PRE	A	53.6
	Tavium	3.53	pt/a	POST	B	
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	

Weed control with Tendovo in XtendFlex soybean

Trial ID: SOY13-22

Cooperator Trial ID:

Protocol ID: SOY13-22 Location: Campus, T-10

Trial Year: 2022

Project ID: Project ID 2: Project ID 3:

Study Director: Sprague, Stiles, Powell

Sponsor Contact:

Investigator (Creator): Christy Sprague

Pest Code	
Crop Type, Code	C, GLXMA
Rating Date	Oct-21-2022
Rating Type	yield
Rating Unit/Min/Max	bu/A, -, -
Trt-Eval Interval	@13% moist
Number of Decimals	1

Trt No.	Treatment Name	Rate	Unit	Appl Timing	Appl Code	
10	Tavium	3.53	pt/a	POST	B	48.9
	Roundup PowerMax 3	30	fl oz/a	POST	B	
	Class Act Ridion	1	% v/v	POST	B	
	Volt-Edge	20	fl oz/a	POST	B	
	Cognitive 1	1	% v/v	POST	B	
	LSD P=.05					7.73
	Standard Deviation					5.33
	CV					10.51