

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No Trial Origin: P public institution trial

Reps: 4 Plots: 6 by 25 feet
 Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	Treatment ID_SEQ	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Min #	Appl Code	Crop Destruction	Amt Product to Measure	Diluent	Rep 1	2	3	4
1	CHK	15994	UNTREATED CHECK								X		-	101	208	303	412
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1390 g ai/ha	1.2 qt/a		1	A	X	29.93 mL/mx	1470.1 mL	102	212	312	403
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1740 g ai/ha	1.5 qt/a		1	A	X	37.46 mL/mx	1462.5 mL	103	209	307	406
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1360 g ai/ha	1.5 pt/a		1	A	X	18.7 mL/mx	1481.3 mL	104	201	301	411
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
5	HERB	24210	BROADAXE XC 7 EC	840	EC	1170 g ai/ha	19 fl oz/a		1	A	X	14.89 mL/mx	1485.1 mL	105	205	308	408
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	B	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	B	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	B	X	24.89 mL/mx					
6	HERB	24020	SONIC 70 DF	70	DF	221 g ai/ha	4.5 oz wt/a		1	A	X	3.375 g/mx	1496.6 mL	106	211	310	402
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
7	HERB	24205	FIERCE XLT 62.41 WG	62.41	WG	164 g ai/ha	3.75 oz wt/a		1	A	X	2.809 g/mx	1497.2 mL	107	202	305	410
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09	SC	161 g ai/ha	4.5 fl oz/a		1	A	X	3.512 mL/mx	1496.5 mL	108	204	304	405
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	C	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	C	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	C	X	24.89 mL/mx					
9	HERB	30388	AUTHORITY EDGE	506.88	SC	222 g ai/ha	6 fl oz/a		1	A	X	4.682 mL/mx	1495.3 mL	109	207	309	407
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v	1 % v/v		1	B	X	15.0 mL/mx	1416.4 mL				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	2570 g ae/ha	3.5 pt/a		1	B	X	43.67 mL/mx					
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	1060 g ae/ha	32 fl oz/a		1	B	X	24.89 mL/mx					
10	HERB		BOUNDARY	6.5	EC	24				A			-	110	203	306	409
	HERB		REFLEX			24				C			-				
	ADJ		INDUCE		2 SL	0.25 % v/v				C		3.75 mL/mx	1496.3 mL				

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)
Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
Master Protocol ID: Study Director: Brett Miller
Sponsor Contact: Pete Eure
Conducted Under GEP: No Trial Origin: P public institution trial

Reps: 4 Plots: 6 by 25 feet
Appl. Amount: 15 GAL/AC Mix Size: 1.5 L (total for 4 plots; minimum=0.782 L)

Trt No.	Type	ID_SEQ	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Other Rate	Other Rate Unit	Min #	Appl Code	Crop Destruction	Amt Product to Measure	Diluent	Rep 1	2	3	4
11	HERB		TRICOR	4 F		8				A			-	111	206	311	404
	HERB		LIBERTY	2.34 SL		32				B			-				
	HERB		DUAL MAGNUM	7.64 EC		16				B			-				
12	HERB		TRICOR	4 F		8				A			-	112	210	302	401
	HERB 28425		ENLIST ONE	3.8 SL	455.34 SL	1060 g ae/ha	32 fl oz/a		1	B		24.89 mL/mx	-				
	HERB		LIBERTY	2.34 SL		32				B			-				

Sort Order: Treatment

University of Georgia

TENDEVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller

Sponsor Contact: Pete Eure
 Trial Origin: P public institution trial

Conducted Under GEP: No

Trial Comments

TENDEVO = METRIBUZIN + S-METOLACHLOR + CHORANSULAM
 FIERCE XLT = FLUMIOXAZIN (24.57%) + CHLORIMURON (6.67%) + PYROXASULFONE (31.17%)
 BOUNDARY = METRIBUZIN (1.25 LBS AI/GAL) + S-METOLACHLOR (5.25 LBS AI/GAL)
 SEQUENCE = GLYPHOSATE (2.25 LBS AI/GAL) + S-METOLACHLOR (3.0 LBS AI/GAL)
 ZIDUA PRO = PYROXASULFONE (2.28 LBS AI/GAL) + IMAZETHAPYR (1.33 LBS AI/GAL) + SAFLUFENACIL (0.48 LBS AI/GAL)
 AUTHORITY EDGE = SULFENTRAZONE (2.73 LBS AI/GAL) + PYROXASULFONE (1.52 LBS AI/GAL)
 SONIC = SULFENTRAZONE (62.1%) + CHLORANSULAM (7.9%)
 BROADAXE XC = S-METOLACHLOR (6.3 LBS AI/A) + SULFENTRAZONE (0.7 LBS AI/GAL)

A=PRE
 B=EPOST
 C=POST 3-4" WEEDS IN PRE TRTS

TRTS 10/11/12 RATES:

TRICOR 4F @ 8 OZ/A
 LIBERTY 2.34SL @ 22 OZ/A
 DUAL MAGNUM 7.62EC @ 16 OZ/A
 RELEX 2SL @ 24 OZ/A

TRTS 5,9,11,12 WERE APPLIED EARLIER DUE TO PALMER AMARANTH AND WILD RADISH BREAKS.

Texas panicum was heading in rating column (18) but annual grasses were actually a mixture of crabgrass (45%) + goosegrass (45%) + Texas panicum (10%).

SUMMARY:

- 1) AT 12 DAT (APRIL 26), ALL PRE TREATMENTS CAUSED SOYBEAN STUNTING. STUNTING WAS LESS THAN 10% EXCEPT FOR FIERCE XLT (14% STUNTING).
- 2) BY 29 DAT (MAY 13), STUNTING WAS LESS THAN 10% WITH ALL PRE TREATMENTS EXCEPT TENDEVO @ 1.5 QT/A (10%) AND FIERCE XLT (11%).
- 3) PALMER AMARANTH CONTROL AT 29 DAT (MAY 13) WAS GREATER THAN 99% WITH ALL PRE TREATMENTS EXCEPT TRICOR (70% CONTROL).
- 4) WILD RADISH CONTROL AT 29 DAT (MAY 13) WAS 100% WITH ALL PRE TREATMENTS EXCEPT FOR BROADAXE (0% CONTROL), AUTHORITY EDGE (38% CONTROL) AND TRICOR (50-75% CONTROL).
- 5) ON AUGUST 1 (110 DAP), ALL TREATMENTS PROVIDED AT LEAST 91% CONTROL OF PALMER AMARANTH EXCEPT FOR THE FOLLOWING:
 SONIC (PRE) FB SEQUENCE + ENLIST ONE (POST) = 86% CONTROL
 TRICOR (PRE) FB LIBERTY + DUAL MAGNUM (EPOST) = 63% CONTROL
 TRICOR (PRE) FB ENLIST ONE + LIBERTY (EPOST) = 73% CONTROL
- 6) ON AUGUST 1 (110 DAP) ANNUAL GRASS CONTROL WITH ALL TREATMENTS EXCEEDED 88%.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
Master Protocol ID: Study Director: Brett Miller
Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

General Trial Information**Study Director:** Brett Miller **Title:** Sr R&D Scientist**Investigator:** Henry McLean **Title:** _____**Discipline:** H herbicide
Trial Status: E established**Trial Reliability:** 1 usable data**Trial Status Date:** Mar-10-22 10:56 AM**Last Export Date:** _____**Last Changed By:** Eric P. Prostko**ARM Trial Created On:** Mar-10-22**Trial Usage/Type:** 0 Research and Development**Initiation Date:** Mar-10-22**Planned Completion Date:** _____**Interim Data Due:** _____**Completion Date:** _____**Protocol Revision Number:** 1.0**Protocol Revision Date:** Feb-25-22**Test Facility:** _____**GEP Accreditation Number:** _____**GEP Accreditation Link:** _____**Trial Location****Address (Location):** UGA Ponder Research Site**City:** Sumner **Country:** USA United States**State/Prov.:** Georgia GA **Region:** _____**Postal Code:** 31789 **Climate Zone:** _____**Upper Left:** 31.506385 -83.65856166 **Upper Right:** 31.50640766 -83.6586705**Latitude of LL Corner °:** 31.50707583 N**Lower Right:** 31.50709516 -83.65843866**Longitude of LL Corner °:** -83.65835066 W**GPS Accuracy of LL Corner:** 3 m**Altitude of LL Corner:** 80.30 m**Angle y-axis to North °:** 195**Directions:****Conducted Under GLP:** No **Official Trial ID:** _____**Conducted Under GEP:** No **Other Trial ID:** _____**Study Rules:** _____

No.	Guideline	Description
1.		

Objectives:

1/Does TENDOVO provide greater weed control and crop safety than current Syngenta or competitor residual herbicides in a weed management program in conventional till soybeans?/Y

Conclusions:

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

Contacts

Role: STYDIR Study Director: Brett Miller Organization: Syngenta Crop Protection AG Address 1: US Remote Site Field USA Address 2: _____ Country: USA United States City: US Remote Site Role: INVEST Investigator: Henry McLean Organization: Syngenta Address 1: 4032 Roundtop Circle Address 2: _____ Country: USA United States City: Perry, GA Role: SPONSR Sponsor: Pete Eure Organization: Syngenta Crop Protection AG Address 1: Syngenta Crop Protection LLC 410 Swing Road Greensbor Address 2: _____ Country: USA United States City: Greensboro, NC Role: COOPER Cooperator: Dr. Eric Prostko Organization: University of Georgia Address 1: 2360 Rainwater Rd.(mail) Address 2: 4604 Research Way(shipping) Country: USA United States City: Tifton Role: _____ Contact Name 5: _____ Organization: _____ Address 1: _____ Address 2: _____ Country: _____ City: _____	study director Title: Sr R&D Scientist Org. Type: _____ Phone No.: _____ Mobile No.: +1-7013188957 E-mail: brett.miller@syngenta.com State/Prov: _____ Postal Code: _____ Title: _____ Org. Type: _____ Phone No.: 478-987-5916 Mobile No.: 478-244-3860 E-mail: henry.mclean@syngenta.com State/Prov: _____ Postal Code: 31069 Title: Technical Product Lead Org. Type: _____ Phone No.: _____ Mobile No.: +1-8323025710 E-mail: Pete.Eure@SYNGENTA.COM State/Prov: _____ Postal Code: _____ Title: UNVCOP Org. Type: _____ Phone No.: _____ Mobile No.: 2293921034 E-mail: eprostko@uga.edu State/Prov: GA Postal Code: 31793 Title: _____ Org. Type: _____ Phone No.: _____ Mobile No.: _____ E-mail: _____ State/Prov: _____ Postal Code: _____
--	--

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

Crop Description

Crop 1: C GLXMA Glycine max Soybean **BBCH Scale:** BSOY
Entry Date: Apr-13-22 **Stage Scale:** BBCH
Variety: SH-4820E3
Attributes: ENLIST SOYBEAN
Seed Lot No: _____ **Seed Source:** _____
% Germination: _____ **1000 Grain Weight:** _____
Perennial Age: _____
Nursery Date: _____
Planting Date: Apr-13-22 **Planting Rate:** _____
Depth: 1.5 IN **Planting Density:** 116160 S/A
Rows per Plot: _____ **Planting Method:** SEEDED seeded
Row Spacing: 36 IN **Planting Equipment:** VP vacuum planter
Spacing within Row: _____ **Seed Bed:** FRIABL friable
Soil Temperature: _____ **Soil Moisture:** EXCELL excellent
Emergence Date: _____ **Plant Arrangement:** _____
Harvest Date: _____ **Plant Shape:** _____
Moisture Meter: _____ **Harvest Equipment:** _____
% Standard Moisture: _____ **Harvested Width:** _____
Weighing Equipment: _____ **Harvested Length:** _____

Pest Description

Pest 1 Type: W **Code:** AMAPA **Amaranthus palmeri** **Entry Date:** Apr-13-22
Common Name: Palmer amaranth **Stage Scale:** BBCH
Attributes: _____ **Artificial Population:** _
Establishment Date: _____ **Stage at Establishment:** _____
Establishment Rate: _____
Concentration: _____
Establishment Method/Description: _____
Crop: _____ **Stage at Infestation:** _____
Pest 2 Type: W **Code:** RAPRA **Raphanus raphanistrum** **Entry Date:** Apr-13-22
Common Name: Wild radish **Stage Scale:** BBCH
Attributes: _____ **Artificial Population:** _
Establishment Date: _____ **Stage at Establishment:** _____
Establishment Rate: _____
Concentration: _____
Establishment Method/Description: _____
Crop: _____ **Stage at Infestation:** _____

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest 3 Type: W

Code: PANTE

Urochloa texana

Entry Date: Apr-13-22

Common Name: Texas panicum

Stage Scale: BBCH

Attributes: _____

Artificial Population: _

Establishment Date: _____

Stage at Establishment: _____

Establishment Rate: _____

Concentration: _____

Establishment Method/Description: _____

Crop: _____ Stage at Infestation: _____

Pest 4 Type: W

Code: MOLVE

Mollugo verticillata

Entry Date: May-13-22

Common Name: carpetweed

Stage Scale: BBCH

Attributes: _____

Artificial Population: N no

Establishment Date: _____

Stage at Establishment: _____

Establishment Rate: _____

Concentration: _____

Establishment Method/Description: _____

Crop: _____ Stage at Infestation: _____

Pest 5 Type: _

Code: _____

Entry Date: _____

Common Name: _____

Stage Scale: _____

Attributes: _____

Artificial Population: _

Establishment Date: _____

Stage at Establishment: _____

Establishment Rate: _____

Concentration: _____

Establishment Method/Description: _____

Crop: _____ Stage at Infestation: _____

Pest 6 Type: _

Code: _____

Entry Date: _____

Common Name: _____

Stage Scale: _____

Attributes: _____

Artificial Population: _

Establishment Date: _____

Stage at Establishment: _____

Establishment Rate: _____

Concentration: _____

Establishment Method/Description: _____

Crop: _____ Stage at Infestation: _____

Site and Design

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

Treated Plot Width: 6 FT Total Plot Width: 6 FT Site Type: FIELD field
 Treated Plot Length: 25 FT Total Plot Length: 25 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 150.0 FT² Treatments: 12 Tillage Type: CONTIL conventional-till
 Replications: 4 Study Design: RACOB� Randomized Complete Block (RCB)
 % Slope: _____

Untreated Arrangement: INCLUDED single control randomized in each block

Trial Initiation Comments:

No.	Previous Crop	Previous Pest Type	Previous Pest	Previous Pesticides	Year
1.	GLXMA				2021

Maintenance

No.	Date	Type	Maintenance Product Name	Form Conc	Form Unit	Form Type	Description	Rate	Rate Unit	Tank Mix
1.										

Comment:

Field Prep./Maintenance:

1.5 TONS/A LIME: PREPLANT

300 LBS/A 5-15-30: PREPLANT

ALTO @ 5.5 OZ/A + DIMILIN @ 2 OZ/A + BORON @ 32 OZ/A: JUNE 8

Soil Description

Description Name: _____

% Sand: 94 % OM: 0.9 Texture: S sand

% Silt: 4 pH: 6.0 Soil Name: TIFTON

% Clay: 2 CEC: 3.7 Fert. Level: G good

Soil Drainage: _

Analyzed By: _____

Additional Measured Elements

Date	Element	Quantity	Unit

Weather Conditions

Overall Moisture Conditions: _____

Closest Weather Station: _____ Distance: _____

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

No.	Date	Time	Moisture Total	Unit	Precipitation	Unit	Min Temp	Max Temp	Avg Temp	Temp Unit	Min % Relative Humidity	Max % Relative Humidity	Avg % Relative Humidity	Min Wind	Max Wind	Avg Wind	Unit	% Cloud Cover	Avg S Ra
1.																			

Comment:

0.5" LATERAL PIVOT IRRIGATION: 04/12/22
0.3" LATERAL PIVOT IRRIGATION: 04/14/22
0.16" RAINFALL: 04/17/22
0.53" RAINFALL: 04/18/22
0.75" LATERAL PIVOT IRRIGATION: 04/27/22
0.6" LATERAL PIVOT IRRIGATION: 05/03/22
0.5" LATERAL PIVOT IRRIGATION: 05/05/22
0.45" RAINFALL: 05/06/22
0.4" LATERAL PIVOT IRRIGATION: 05/12/22
0.04" RAINFALL: 05/12/22
0.5" LATERAL PIVOT IRRIGATION: 05/23/22
1.48" RAINFALL: 05/24/22 AFTER 4 PM

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Application Description

	A	B	C
Application Date	Apr-14-22	May-13-22	May-24-22
Appl. Start Time	6:40 AM		
Appl. Stop Time		6:45 AM	8:00 AM
Application Method	NONINC	NONINC	
Application Timing	PREPRE	POST-B	POST-C
Application Placement	BROSOI	BROFOL	BROFOL
Applied By	CA	CA	EP
Appl. Entry Date	Apr-14-22	May-13-22	Sep-22-22
Air Temperature Start, Stop	64, F	66, F	71, F
% Relative Humidity Start, Stop	93,	90,	94,
Wind Velocity+Dir. Start	4 MPH,	1 MPH,	1 MPH,
Wind Velocity+Dir. Stop			
Wind Velocity+Dir. Max			
Wet Leaves (Y/N)			
Soil Temperature	64 F	68 F	70 F
Soil Moisture	OPTIMUM	OPTIMUM	OPTIMUM
% Cloud Cover	100	100	75
Next Moisture Occurred On	Apr-14-22		May-24-22
Time to Next Moisture	1.0 HR		8.0 HR
Moisture 1 Week after Appl.			

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Crop Stage At Each Application

	A	B	C
Crop 1 Code, BBCH Scale	GLXMA, BSOY	GLXMA, BSOY	GLXMA, BSOY
Stage Majority, Percent		V3,	V5,
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average		5 IN	12 IN
Height Minimum, Maximum			
Density Average			
Density Minimum, Maximum			
Total Canopy Height			
Treated Canopy Height			
Treated Leaf Wall Area			
Treated LWA Formula			
Treated LWA per Plot			
Total Leaf Wall Area			
Total LWA Formula			
Total Tree Row Volume (m3/ha)			
Coverage			

Pest Stage At Each Application

	A	B	C
Pest 1 Code, Type, Scale	AMAPA, W, BBCH	AMAPA, W, BBCH	AMAPA, W, BBCH
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			IN
Height Minimum, Maximum		1, 8	2, 12

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			
Pest 2 Code, Type, Scale	RAPRA, W, BBCH	RAPRA, W, BBCH	RAPRA, W, BBCH
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			IN
Height Minimum, Maximum		3, 10	1, 4
Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			
Pest 3 Code, Type, Scale	PANTE, W, BBCH	PANTE, W, BBCH	PANTE, W, BBCH
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			IN
Height Minimum, Maximum		1, 3	2, 4
Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			
Pest 4 Code, Type, Scale	MOLVE, W, BBCH	MOLVE, W, BBCH	MOLVE, W, BBCH
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID: Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Height Average			
Height Minimum, Maximum			
Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			
Pest 5 Code, Type, Scale			
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			
Height Minimum, Maximum			
Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			
Pest 6 Code, Type, Scale			
Stage Majority, Percent			
Stage Minimum, Percent			
Stage Maximum, Percent			
Diameter Average			
Diameter Minimum, Maximum			
Height Average			
Height Minimum, Maximum			
Density Average			
Density Minimum, Maximum			
Crop Part Attacked, Code			

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Application Equipment

	A	B	C
Appl. Equipment	BACKPACK	SAME AS A	SAME AS A
Equipment Type			
Operation Pressure	36 PSI		
Nozzle Model	AIXR		
Nozzle Type	FLAT FAN		
Nozzle TradeName	TEEJET		
Nozzle Tip Size, Color	11002, YELLOW		
Nozzle Spacing	20.0 IN		
Nozzles/Row			
Band Width			
% Coverage			
Row Sides Applied			
Concentration Factor			
Boom ID			
Boom Length	60.0 IN		
Boom Height	20.0 IN		
Ground Speed	3.5 MPH		
Carrier	WATER		
Water Hardness (ppm CaCO3)			
Application Amount	15 GAL/AC		
Mix Overage			
Mix Size	1.5 L		
Spray pH			
Propellant	CO2		
Tank Mix (Y/N)			

Treatment Appl. Comments

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No Trial Origin: P public institution trial

Notes

Context	Date	By	Notes
STATUS	Mar-10-22	Henry McLean	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Mar-10-22	Henry McLean	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.

Deviations

No. 1: Date: _____ By: _____
 Deviations:
 Reasons:

SE Definitions

	1.	2.	3.
Rating Timing	1	2	3
SE Name	ZUSW001	ZUSX001	ZUSX052_C3
SE Description	%Control	%Phyto-General	YIELD/A
Part Rated	PLANT,	PLANT,	GRAIN,
Rating Type	CONTRO	PHYGEN	YIELD
Rating Unit/Min/Max	%,	%,	BU,
Sample Size	1 PLOT	1 PLOT	FT2
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 A
Calculation	NC	NC	IN
Number of Subsamples			1
ARM Action Codes			@YLDLBBUADM[1,2]
Pest Type, Code			
Crop Type, Code			

No. Task Comment
 1. ____

Instructions:

CROPS: Soybeans

● The soybean seeds used in this trial should contain the appropriate herbicide tolerance platform for the desired **POST** herbicide program, either:

- 1) Xtendflex trait (tolerant to dicamba, glufosinate and glyphosate)
- 2) Roundup Ready 2 Xtend trait (tolerant to dicamba and glyphosate)

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

3) Enlist E3 trait (tolerant to 2,4-D choline, glyphosate and glufosinate)

4) Liberty Link trait (tolerant to glufosinate)

TARGETS: Gly-R, PPO-R, Multiple-R, or difficult to control dicot weeds and annual grass weeds, AMBTR, AMBEL, IPOSS, ABUTH, XANST, AMATA, AMAPA

OBJECTIVES:

Does TENDOVO provide greater weed control and crop safety than current Syngenta or competitor residual herbicides in a weed management program in conventional till soybeans?

SPECIAL PROTOCOL TASKS:

- This protocol is for **COARSE** textured soils - Sand, Loamy sand, Sandy loam (organic matter generally low < = 1.5%). Medium soil sites should be using the B variant and fine soils the C variant.
- Start with a clean weed-free seedbed before making the preemergence application.
- If the scientist has the ability to irrigate and an activating rainfall is not received within 7 days of application please apply 0.5" of irrigation water.
- Fierce MTZ at 1 pt/A (373 g ai / ha) may be used in place of Fierce XLT where appropriate.
- If using Enlist E3 soybeans change the POST treatment to Sequence + Enlist One at 2570 + 1060 g ae/ha and Class Act Ridion at 1%v/v.
- If using Liberty Link soybeans change the POST treatment to Liberty 280SL + Dual Magnum at 655 + 1070 g ai/ha and AMSOL at 5.85 L/ha (2.5 Qt/A).
- **Special Observations** impacting trial data or its interpretation should always be entered in the (DAT) Conclusions section, or state if none. Did standards perform as expected? Any adverse weather conditions including poor herbicide activation?

DATA REQUIREMENTS/ESSENTIAL DATA:

- **Core data:** Enter location information including city, state, GPS coordinates, investigator name, site type
- **Crop:** At all applications – growth stage (BBCH) and height. At establishment - variety, attributes (including AI traits), and planting date, method, rate, equipment, depth, and row spacing
 - Including date of crop emergence in the Crop Description section of ARM
- **Pest – Weed:** growth stage range (BBCH or number of leaves) and height required at each application, density, attributes (identify AI resistance), natural/artificial population
- **Application Time Weather:** beginning/ending temps (air and soil), %RH, wind details; wet leaves (Y/N); soil moisture; cloud cover.
- **Applications via Liquids:** spray volume, nozzle/type and screens, spray pressure, ground speed, boom height, carrier, propellant, next moisture date after application, time to next moisture, moisture 1 week after application.
- **Soil:** sand:silt:clay, %OM, pH, CEC, and soil texture, and soil moisture at application.
- **Trial Rainfall and Irrigation:** overall moisture conditions, closest weather station, and rainfall/irrigation data from 7 days before trial initiation until termination or harvest. Utilize nearest weather station if on-site data is not available.

EXPERIMENTAL DESIGN AND PLOT DIMENSIONS:

- RCBD, four (4) replications, minimum suggested plot size of 10 x 30 ft, treating at least the center 5 ft of each plot

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No

Trial Origin: P public institution trial

TREATMENT DETAILS:

- Nozzles: Nozzle selection is at the discretion of the scientist
- Spray volume = minimum of 15 GPA

Application codes/Timing:

- Application A: PRE - Trial should be weed-free at planting
- Application B: POST - application to weeds when they reach 3 to 4" in PRE treatment #3 or V4 soybean, whichever occurs first

FORMULATION OBSERVATIONS:

- Please inform the Syngenta contact by email or phone if any abnormal characteristics, such as excessive settling, separation, nozzle clogging due to particulate matter, etc. are observed.

MAINTENANCE DETAILS:

- No other residual herbicides should be applied to the trial site. If a burndown treatment is needed it should be applied across the entire trial site including the checks and running checks and should not contain any residual herbicide components.

ASSESSMENT TIMING SUMMARY:

Assessment at the following dates:

EVALUATION 1: 7 +/- 1 day after emergence - PHYGEN

EVALUATION 2: 21 +/-2 days after emergence OR at POST (B) - PHYGEN, WEED CONTROL and **PHOTOS (see below)**

EVALUATION 3: 14 d (+/-3) after POST application - PHYGEN and CONTROL

EVALUATION 4: 28 d (+/-3) after POST application - PHYGEN and CONTROL

EVALUATION 5: Optional - At Harvest or Maturity - CONTROL and **PHOTOS (see below)**

EVALUATION 6: Optional - Soybean yield at maturity in bu/A.

PHOTOS: If interesting results are visible, please take pictures of treatments that exhibit differences. Select a representative replication at an appropriate assessment time.

- Photos should be compiled by the Syngenta trial manager (including photos from cooperators) and attached to the DAT file for cloud export.

ASSESSMENT DETAILS:

*Use "SE" files attached to the protocol to help standardize evaluations

PHYGEN, General Phytotoxicity (%/Plot), (ZUSX001): Visually assess crop injury (%) due to the treatment (ignoring any environmental stress affect) at the time of the assessment. PHYGEN represents an overall phytotoxicity assessment and could include necrosis, chlorosis, stunting, epinasty, etc. PHYGEN ratings range from 0 to 100%, with the untreated check (or running check) representing 0% PHYGEN and complete death representing 100% PHYGEN. Compare the treated crop to the untreated check (or running checks) in each replicate. If no phytotoxicity is observed, record data as zeroes in ARM for each requested assessment date. Describe any symptomology in the conclusions section.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No Trial Origin: P public institution trial

WEED CONTROL (%/Plot), (ZUSW001): Visually assess % weed control due to the treatment for each weed species independently. Identify genus and species of each weed. Document known resistant types in the pest description tab in the Attributes field even if only a small percentage is resistant. Compare the treated plots to the untreated check (or running check) within each replicate to determine % weed control. Ratings range from 100% being complete control and 0% representing weed populations/growth similar to what is observed in the untreated check. Only assess species present at a sufficient density/consistency for reliable ratings.

YIELD (BU/A) (ZUSX052_C3): Optional. Soybean yield at maturity adjusted to 13% moisture

DATA REPORTING DEADLINES:

Interim data - 10/07/2022 for the Summary Results Meeting (all data uploaded to database, trial status changed to Interim).

Photos due 10/07/2022

Final data due - 12/15/2022

OTHER NOTES:

CROP DESTRUCT:

Plots, and/or harvested material from plots, from this trial must be destroyed to ensure that no plant material enters the food or feed system. Any exception can only be granted, in writing, from Syngenta Crop Protection.

SAFETY AND STEWARDSHIP OF TEST SUBSTANCES IN THIS PROTOCOL

- Research and development protocols include unregistered Test Substances (or product uses) which may have incomplete health and safety profiles.
- Organizations and individuals conducting or participating in experiments with these Test Substances are expected to be properly trained and licensed and have policies in place to ensure participant safety, environmental safety and compliance with local, State and Federal regulations.
- The best available source of safety hazard information, and protective measures, associated with these test substances can be found on the Safety Data Sheet (SDS), which is sent with the Test Substance. Where available on the SDS, these measures should be followed. At a minimum, Syngenta recommends that research participants (mixers, handlers, applicators, and those reentering the treated area within 24 hours of application) wear personal protective equipment (PPE), which includes chemical resistant clothing (e.g. gloves, footwear, goggles, coveralls, hat, etc.) as appropriate for the activity to prevent contact exposure -- and a respirator using NIOSH approved P100/OV/AG cartridges.
- Contact your Syngenta representative should you have any questions.

DESIGN CODES:

- PRE applications include

A23372A = TENDOVO

A23327A = Authority Edge - *note the design code is quite similar to the above premix*

A12831A = Boundary

A21394B = BroadAxe XC

A21894A = Fierce XLT

A19290B = Sonic

A22396A = Zidua Pro

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

● If using Roundup Ready 2 Xtend or Xtendflex soybeans the POST treatments include:

CA6889A = Volt-Edge volatility reducing agent

CA3188M = Intact

CA5756A = Class Act Ridion

A21472E = Tavium plus VaporGrip Technology

A24073A = Roundup Powermax 3

● If using Enlist soybeans the POST treatments include:

CA323U = Amsol

A13886E = Sequence

A22659A = Enlist One

● If using Liberty Link soybeans the POST treatment include:

CA323U = Amsol

A9793D = Dual Magnum

A19156A = Liberty 280SL

Geographic Area/Environmental Considerations:**Cropping Considerations:****Data to Collect:****Statistical Analysis:**

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure
 Conducted Under GEP: No Trial Origin: P public institution trial

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max													1, W, Weed AMAPA Amaranthus palm> Palmer amaranth			
											1, GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Stunting %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Necrosis %, 0, 100		1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Stunting %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Necrosis %, 0, 100	
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop		1	2	3	4	5	
No. Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Code	Destruction							
1	CHK	15994	UNTREATED CHECK							X		0.0 c	0.0 a	0.0 c	0.0 a	0.0 a
2	HERB 33045	TENDOVO HERBICIDE	496.54	ZC		1.2 qt/a		1 A	X		8.8 ab	0.0 a	100.0 a	2.5 a	0.0 a	
	ADJ 20065	CLASS ACT RIDION		SL		1 % v/v		1 C	X							
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW		3.5 pt/a		1 C	X							
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL		32 fl oz/a		1 C	X							
3	HERB 33045	TENDOVO HERBICIDE	496.54	ZC		1.5 qt/a		1 A	X		7.5 b	1.3 a	100.0 a	2.5 a	0.0 a	
	ADJ 20065	CLASS ACT RIDION		SL		1 % v/v		1 C	X							
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW		3.5 pt/a		1 C	X							
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL		32 fl oz/a		1 C	X							
4	HERB 3525	BOUNDARY 6.5 EC	777.5	EC		1.5 pt/a		1 A	X		5.0 bc	0.0 a	100.0 a	0.0 a	0.0 a	
	ADJ 20065	CLASS ACT RIDION		SL		1 % v/v		1 C	X							
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW		3.5 pt/a		1 C	X							
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL		32 fl oz/a		1 C	X							
5	HERB 24210	BROADAXE XC 7 EC	840	EC		19 fl oz/a		1 A	X		5.0 bc	0.0 a	100.0 a	0.0 a	0.0 a	
	ADJ 20065	CLASS ACT RIDION		SL		1 % v/v		1 B	X							
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW		3.5 pt/a		1 B	X							
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL		32 fl oz/a		1 B	X							
6	HERB 24020	SONIC 70 DF	70	DF		4.5 oz wt/a		1 A	X		7.5 b	1.3 a	100.0 a	2.5 a	0.0 a	
	ADJ 20065	CLASS ACT RIDION		SL		1 % v/v		1 C	X							
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW		3.5 pt/a		1 C	X							
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL		32 fl oz/a		1 C	X							

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No Trial Origin: P public institution trial

Pest ID Code Pest Code Pest Scientific Name												1, W, Weed AMAPA Amaranthus palm>		
Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max												Palmer amaranth	1, GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Stunting %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Necrosis %, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop					
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction		1	2
7	HERB	24205	FIERCE XLT 62.41 WG	62.41	WG	3.75 oz wt/a			1 A	X			13.8 a	1.3 a
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X				
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X				
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09	SC	4.5 fl oz/a			1 A	X			7.5 b	0.0 a
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X				
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X				
9	HERB	30388	AUTHORITY EDGE	506.88	SC	6 fl oz/a			1 A	X			7.5 b	0.0 a
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X				
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 B	X				
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B	X				
10	HERB		BOUNDARY	6.5	EC				A				5.0 bc	0.0 a
	HERB		REFLEX	2	SL				C					
	ADJ		INDUCE						C					
11	HERB		TRICOR	4	F				A				8.8 ab	0.0 a
	HERB		LIBERTY	2.34	SL				B					
	HERB		DUAL MAGNUM	7.64	EC				B					

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)											
Trial ID: USS10H3022022			Location: McLean Henry FS			Trial Year: 2022					
Protocol ID: HSM050A4-2022US			Investigator (Creator): Henry McLean								
Master Protocol ID:			Study Director: Brett Miller								
Conducted Under GEP: No			Sponsor Contact: Pete Eure								
Trial Origin: P public institution trial											
Pest ID Code									1, W, Weed		
Pest Code									AMAPA		
Pest Scientific Name									Amaranthus palm>		
Pest Name									Palmer amaranth		
Crop ID Code						1, GLXMA	1, GLXMA			1, GLXMA	1, GLXMA
BBCH Scale						BSOY	BSOY			BSOY	BSOY
Crop Scientific Name						Glycine max	Glycine max			Glycine max	Glycine max
Crop Name						Soybean	Soybean			Soybean	Soybean
Crop Variety						SH-4820E3	SH-4820E3			SH-4820E3	SH-4820E3
Rating Date						Apr-26-22	Apr-26-22	Apr-26-22	May-4-22	May-4-22	May-4-22
Rating Type						Stunting	Necrosis	Control	Stunting	Necrosis	Necrosis
Rating Unit/Min/Max						%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop		
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl	Code	Destruction
12	HERB		TRICOR	4 F				A			
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B			
	HERB		LIBERTY	2.34 SL				B			
LSD P=.10						5.09	1.54		0.17	4.35	1.24
Standard Deviation						4.25	1.29		0.14	3.63	1.04
CV						62.78	411.94		0.16	193.73	497.27
Grand Mean						6.77	0.31		91.65	1.88	0.21
Bartlett's X2^						10.805	74.719		64.208	28.532	66.538
P(Bartlett's X2)						0.46	0.00*		0.00*	0.003*	0.00*

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.
^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max											1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-4-22 Control %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth 1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-13-22 Stunting %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-13-22 Control %, 0, 100	2, W, Weed RAPRA Raphanus raphan> Wild radish May-13-22 Control %, 0, 100		
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop		6	7	8	9		
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	#	Code	Destruction					
1	CHK	15994	UNTREATED CHECK								X		0.0 d	0.0 d	0.0 d	0.0 d
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a		1	A	X		99.0 a	3.8 cd	97.5 a	100.0 a	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1	C	X						
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1	C	X						
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1	C	X						
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a		1	A	X		99.0 a	10.0 ab	100.0 a	100.0 a	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1	C	X						
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1	C	X						
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1	C	X						
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a		1	A	X		97.0 a	7.5 abc	95.0 a	100.0 a	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1	C	X						
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1	C	X						
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1	C	X						
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a		1	A	X		98.0 a	0.0 d	98.8 a	0.0 d	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1	B	X						
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1	B	X						
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1	B	X						
6	HERB	24020	SONIC 70 DF	70	DF	4.5 oz wt/a		1	A	X		94.8 b	3.8 cd	83.8 b	99.8 a	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1	C	X						
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1	C	X						
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1	C	X						

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max											1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-4-22 Control %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth 1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-13-22 Stunting %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-13-22 Control %, 0, 100	2, W, Weed RAPRA Raphanus raphan> Wild radish May-13-22 Control %, 0, 100
Trt No.	Treatment Type	Treatment ID_SEQ	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate	Min Unit #	Appl Code	Crop Destruction	6	7	8	9
7	HERB	24205	FIERCE XLT 62.41 WG	62.41 WG		3.75 oz wt/a		1 A	X		99.0 a	11.3 a	100.0 a	100.0 a
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X					
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X					
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X					
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09 SC		4.5 fl oz/a		1 A	X		99.0 a	6.3 bc	100.0 a	100.0 a
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X					
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X					
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X					
9	HERB	30388	AUTHORITY EDGE	506.88 SC		6 fl oz/a		1 A	X		99.0 a	6.3 bc	100.0 a	37.5 c
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 B	X					
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 B	X					
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B	X					
10	HERB		BOUNDARY	6.5 EC				A			98.0 a	3.8 cd	97.3 a	68.8 b
	HERB		REFLEX	2 SL				C						
	ADJ		INDUCE					C						
11	HERB		TRICOR	4 F				A			92.5 c	1.3 d	70.0 c	50.0 bc
	HERB		LIBERTY	2.34 SL				B						
	HERB		DUAL MAGNUM	7.64 EC				B						

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)														
Trial ID: USS10H3022022				Location: McLean Henry FS				Trial Year: 2022						
Protocol ID: HSM050A4-2022US				Investigator (Creator): Henry McLean										
Master Protocol ID:				Study Director: Brett Miller										
				Sponsor Contact: Pete Eure										
Conducted Under GEP: No				Trial Origin: P public institution trial										
Pest ID Code								1, W, Weed			1, W, Weed		2, W, Weed	
Pest Code								AMAPA			AMAPA		RAPRA	
Pest Scientific Name								Amaranthus palm>			Amaranthus palm>		Raphanus raphan>	
Pest Name								Palmer amaranth			Palmer amaranth		Wild radish	
Crop ID Code														
BBCH Scale														
Crop Scientific Name														
Crop Name														
Crop Variety														
Rating Date								May-4-22			May-13-22		May-13-22	
Rating Type								Control			Control		Control	
Rating Unit/Min/Max								%, 0, 100			%, 0, 100		%, 0, 100	
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop					
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl	Code	Destruction	6	7	
12	HERB		TRICOR	4 F					A			92.0 c	0.0 d	
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 B					
	HERB		LIBERTY	2.34 SL					B					
LSD P=.10											2.20	4.68	6.97	29.87
Standard Deviation											1.84	3.91	5.83	24.96
CV											2.07	87.31	6.91	36.04
Grand Mean											88.94	4.48	84.35	69.25
Bartlett's X2^											12.221	21.659	22.446	44.167
P(Bartlett's X2)											0.347	0.027*	0.021*	0.00*

Means followed by same letter or symbol do not significantly differ (P= .10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.
^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code										4, W, Weed		1, W, Weed	2, W, Weed
Pest Code										MOLVE		AMAPA	RAPRA
Pest Scientific Name										Mollugo vertici>		Amaranthus palm>	Raphanus raphan>
Pest Name										carpetweed		Palmer amaranth	Wild radish
Crop ID Code											1, GLXMA		
BBCH Scale											BSOY		
Crop Scientific Name											Glycine max		
Crop Name											Soybean		
Crop Variety											SH-4820E3		
Rating Date										May-13-22	May-20-22	May-20-22	May-20-22
Rating Type										Molve contr	Necrosis	Control	Control
Rating Unit/Min/Max										%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop	10	11	12	13
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction		
1	CHK	15994	UNTREATED CHECK							X			
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a			1 A	X			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X			
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a			1 A	X			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X			
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a			1 A	X			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X			
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a			1 A	X			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 B	X			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B	X			
6	HERB	24020	SONIC 70 DF	70	DF	4.5 oz wt/a			1 A	X			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022
 Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean
 Master Protocol ID: Study Director: Brett Miller
 Sponsor Contact: Pete Eure

Conducted Under GEP: No Trial Origin: P public institution trial

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max											4, W, Weed MOLVE Mollugo vertici> carpetweed May-13-22 Molve contr %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth 1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-20-22 Necrosis %, 0, 100	2, W, Weed RAPRA Raphanus raphan> Wild radish May-20-22 Control %, 0, 100	
Trt No.	Treatment Type	Treatment ID_SEQ	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate	Min Unit #	Appl Appl	Crop Code Destruction	10	11	12	13
7	HERB ADJ HERB HERB	24205 20065 27361 28425	FIERCE XLT 62.41 WG CLASS ACT RIDION SEQUENCE 5.25 EW ENLIST ONE 3.8 SL	62.41 WG SL 629.1 EW 455.34 SL	WG SL EW SL	3.75 oz wt/a 1 % v/v 3.5 pt/a 32 fl oz/a			1 A 1 C 1 C 1 C	X X X X	100.0 a	0.0 a	100.0 a	100.0 a
8	HERB ADJ HERB HERB	27205 20065 27361 28425	ZIDUA PRO 4.09 SC CLASS ACT RIDION SEQUENCE 5.25 EW ENLIST ONE 3.8 SL	490.09 SC SL 629.1 EW 455.34 SL	SC SL EW SL	4.5 fl oz/a 1 % v/v 3.5 pt/a 32 fl oz/a			1 A 1 C 1 C 1 C	X X X X	100.0 a	0.0 a	100.0 a	100.0 a
9	HERB ADJ HERB HERB	30388 20065 27361 28425	AUTHORITY EDGE CLASS ACT RIDION SEQUENCE 5.25 EW ENLIST ONE 3.8 SL	506.88 SC SL 629.1 EW 455.34 SL	SC SL EW SL	6 fl oz/a 1 % v/v 3.5 pt/a 32 fl oz/a			1 A 1 B 1 B 1 B	X X X X	100.0 a	0.0 a	100.0 a	95.0 ab
10	HERB HERB ADJ		BOUNDARY REFLEX INDUCE	6.5 EC 2 SL	EC SL				A C C		99.8 b	0.0 a	91.3 cd	81.3 c
11	HERB HERB HERB		TRICOR LIBERTY DUAL MAGNUM	4 F 2.34 SL 7.64 EC	F SL				A B B		100.0 a	0.0 a	87.5 de	92.5 ab

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022									
Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean									
Master Protocol ID: Study Director: Brett Miller									
Sponsor Contact: Pete Eure									
Conducted Under GEP: No Trial Origin: P public institution trial									
Pest ID Code					4, W, Weed		1, W, Weed	2, W, Weed	
Pest Code					MOLVE		AMAPA	RAPRA	
Pest Scientific Name					Mollugo vertici>		Amaranthus palm>	Raphanus raphan>	
Pest Name					carpetweed		Palmer amaranth	Wild radish	
Crop ID Code						1, GLXMA			
BBCH Scale						BSOY			
Crop Scientific Name						Glycine max			
Crop Name						Soybean			
Crop Variety						SH-4820E3			
Rating Date					May-13-22	May-20-22	May-20-22	May-20-22	
Rating Type					Molve contr	Necrosis	Control	Control	
Rating Unit/Min/Max					%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Code Destruction
12	HERB	TRICOR	4 F					A	
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL	32 fl oz/a		1	B	
	HERB	LIBERTY	2.34 SL					B	
LSD P=.10					0.25	.	6.38	9.10	
Standard Deviation					0.21	0.00	5.33	7.60	
CV					0.23	0.0	6.22	9.04	
Grand Mean					91.63	0.00	85.73	84.17	
Bartlett's X2^					66.538	.	12.378	32.912	
P(Bartlett's X2)					0.00*	.	0.336	0.001*	

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code										1, W, Weed AMAPA Amaranthus palm>	1, W, Weed AMAPA Amaranthus palm>	1, W, Weed AMAPA Amaranthus palm>
Pest Code										Palmer amaranth	Palmer amaranth	Palmer amaranth
Pest Scientific Name												
Pest Name												
Crop ID Code												
BBCH Scale												
Crop Scientific Name												
Crop Name												
Crop Variety												
Rating Date										Jun-2-22	Jun-14-22	Jun-29-22
Rating Type										Control	Control	Control
Rating Unit/Min/Max										%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop	14	15	16
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	
1	CHK	15994	UNTREATED CHECK							X		
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 B	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B	X		
6	HERB	24020	SONIC 70 DF	70	DF	4.5 oz wt/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code										1, W, Weed AMAPA	1, W, Weed AMAPA	1, W, Weed AMAPA
Pest Code										Amaranthus palm>	Amaranthus palm>	Amaranthus palm>
Pest Scientific Name										Palmer amaranth	Palmer amaranth	Palmer amaranth
Pest Name												
Crop ID Code												
BBCH Scale												
Crop Scientific Name												
Crop Name												
Crop Variety												
Rating Date										Jun-2-22	Jun-14-22	Jun-29-22
Rating Type										Control	Control	Control
Rating Unit/Min/Max										%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop	14	15	16
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	
7	HERB	24205	FIERCE XLT 62.41 WG	62.41 WG		3.75 oz wt/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X		
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09 SC		4.5 fl oz/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X		
9	HERB	30388	AUTHORITY EDGE	506.88 SC		6 fl oz/a			1 A	X		
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v			1 B	X		
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 B	X		
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 B	X		
10	HERB		BOUNDARY	6.5 EC					A			
	HERB		REFLEX	2 SL					C			
	ADJ		INDUCE						C			
11	HERB		TRICOR	4 F					A			
	HERB		LIBERTY	2.34 SL					B			
	HERB		DUAL MAGNUM	7.64 EC					B			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022 Location: McLean Henry FS Trial Year: 2022									
Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean									
Master Protocol ID: Study Director: Brett Miller									
Sponsor Contact: Pete Eure									
Conducted Under GEP: No Trial Origin: P public institution trial									
Pest ID Code									
Pest Code									
Pest Scientific Name									
Pest Name									
Crop ID Code									
BBCH Scale									
Crop Scientific Name									
Crop Name									
Crop Variety									
Rating Date									
Rating Type									
Rating Unit/Min/Max									
Trt Treatment Treatment Form Form Other Other Min Appl Crop									
No. Type ID_SEQ Name Conc Type Rate Rate Unit # Appl Code Destruction									
12 HERB TRICOR 4 F A									
HERB 28425 ENLIST ONE 3.8 SL 455.34 SL 32 fl oz/a 1 B									
HERB LIBERTY 2.34 SL B									
LSD P=.10									
Standard Deviation									
CV									
Grand Mean									
Bartlett's X2^									
P(Bartlett's X2)									

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code											1, W, Weed AMAPA	3, W, Weed PANTE
Pest Code											Amaranthus palm>	Urochloa texana
Pest Scientific Name											Palmer amaranth	Texas panicum
Pest Name												
Crop ID Code												
BBCH Scale												
Crop Scientific Name												
Crop Name												
Crop Variety												
Rating Date											Aug-1-22	Aug-1-22
Rating Type												
Rating Unit/Min/Max												
Trt No.	Treatment ID_SEQ	Treatment Name	Form Conc	Form Type	Other Rate	Other Rate Unit	Min #	Appl Code	Crop Destruction		17	18
1	CHK 15994	UNTREATED CHECK							X		0.0 f	0.0 c
2	HERB 33045	TENDOVO HERBICIDE	496.54 ZC		1.2 qt/a			1 A	X		97.5 ab	100.0 a
	ADJ 20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X			
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X			
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X			
3	HERB 33045	TENDOVO HERBICIDE	496.54 ZC		1.5 qt/a			1 A	X		100.0 a	98.8 a
	ADJ 20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X			
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X			
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X			
4	HERB 3525	BOUNDARY 6.5 EC	777.5 EC		1.5 pt/a			1 A	X		96.3 ab	97.5 a
	ADJ 20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X			
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X			
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X			
5	HERB 24210	BROADAXE XC 7 EC	840 EC		19 fl oz/a			1 A	X		95.0 ab	100.0 a
	ADJ 20065	CLASS ACT RIDION	SL		1 % v/v			1 B	X			
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 B	X			
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 B	X			
6	HERB 24020	SONIC 70 DF	70 DF		4.5 oz wt/a			1 A	X		86.3 c	97.5 a
	ADJ 20065	CLASS ACT RIDION	SL		1 % v/v			1 C	X			
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a			1 C	X			
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a			1 C	X			

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code	1, W, Weed	3, W, Weed
Pest Code	AMAPA	PANTE
Pest Scientific Name	Amaranthus palm>	Urochloa texana
Pest Name	Palmer amaranth	Texas panicum
Crop ID Code		
BBCH Scale		
Crop Scientific Name		
Crop Name		
Crop Variety		
Rating Date	Aug-1-22	Aug-1-22
Rating Type		
Rating Unit/Min/Max		
Trt No.	17	18
Treatment ID_SEQ		
Treatment Name		
Form Conc		
Form Type		
Other Rate		
Other Rate		
Min Unit		
Min Appl		
Crop Code		
Crop Destruction		
7	98.8 a	98.8 a
HERB 24205		
ADJ 20065		
HERB 27361		
HERB 28425		
8	100.0 a	98.8 a
HERB 27205		
ADJ 20065		
HERB 27361		
HERB 28425		
9	98.8 a	97.5 a
HERB 30388		
ADJ 20065		
HERB 27361		
HERB 28425		
10	91.3 bc	91.3 b
HERB		
HERB		
ADJ		
11	62.5 e	97.5 a
HERB		
HERB		
HERB		

Means followed by same letter or symbol do not significantly differ (P=.10, LSD).

Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.

^Calculated from residual.

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)											
Trial ID: USS10H3022022		Location: McLean Henry FS				Trial Year: 2022					
Protocol ID: HSM050A4-2022US		Investigator (Creator): Henry McLean									
Master Protocol ID:		Study Director: Brett Miller									
		Sponsor Contact: Pete Eure									
Conducted Under GEP: No		Trial Origin: P public institution trial									
Pest ID Code						1, W, Weed			3, W, Weed		
Pest Code						AMAPA			PANTE		
Pest Scientific Name						Amaranthus palm>			Urochloa texana		
Pest Name						Palmer amaranth			Texas panicum		
Crop ID Code											
BBCH Scale											
Crop Scientific Name											
Crop Name											
Crop Variety											
Rating Date						Aug-1-22			Aug-1-22		
Rating Type											
Rating Unit/Min/Max											
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop		
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl	Code	Destruction
12	HERB		TRICOR	4 F					A		
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B			
	HERB		LIBERTY	2.34 SL				B			
LSD P=.10						6.66			3.83		
Standard Deviation						5.56			3.20		
CV						6.68			3.6		
Grand Mean						83.23			88.85		
Bartlett's X2^						13.507			31.10		
P(Bartlett's X2)						0.261			0.001*		

Means followed by same letter or symbol do not significantly differ (P= .10, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Could not calculate LSD (% mean diff) for columns 11 because error mean square = 0.
^Calculated from residual.

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID: Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Stunting % 0 100 (Data Column 1)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1424.479167			
Replicate	3	359.895833	119.965278	6.638	0.0012
Treatment	11	468.229167	42.566288	2.355	0.0283
Error	33	596.354167	18.071338		

Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 Apr-26-22 Necrosis % 0 100 (Data Column 2)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	70.312500			
Replicate	3	1.562500	0.520833	0.314	0.8149
Treatment	11	14.062500	1.278409	0.771	0.6650
Error	33	54.687500	1.657197		

Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth Apr-26-22 Control % 0 100 (Data Column 3)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	36650.979167			
Replicate	3	0.062500	0.020833	1.000	0.4051
Treatment	11	36650.229167	3331.839015	159928.289	0.0001
Error	33	0.687500	0.020833		

Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Stunting % 0 100 (Data Column 4)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	731.250000			
Replicate	3	39.583333	13.194444	1.000	0.4051
Treatment	11	256.250000	23.295455	1.766	0.1017
Error	33	435.416667	13.194444		

Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Necrosis % 0 100 (Data Column 5)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	47.916667			
Replicate	3	2.083333	0.694444	0.647	0.5904
Treatment	11	10.416667	0.946970	0.882	0.5658
Error	33	35.416667	1.073232		

Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth May-4-22 Control % 0 100 (Data Column 6)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	34978.812500			
Replicate	3	62.062500	20.687500	6.112	0.0020
Treatment	11	34805.062500	3164.096591	934.887	0.0001
Error	33	111.687500	3.384470		

Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 May-13-22 Stunting % 0 100 (Data Column 7)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	1211.979167			
Replicate	3	51.562500	17.187500	1.124	0.3536
Treatment	11	655.729167	59.611742	3.898	0.0012
Error	33	504.687500	15.293561		

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022		Location: McLean Henry FS		Trial Year: 2022	
Protocol ID: HSM050A4-2022US		Investigator (Creator): Henry McLean		Study Director: Brett Miller	
Master Protocol ID:		Sponsor Contact: Pete Eure		Trial Origin: P public institution trial	
Conducted Under GEP: No					
Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth May-13-22 Control % 0 100 (Data Column 8)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	38100.979167			
Replicate	3	312.562500	104.187500	3.068	0.0414
Treatment	11	36667.729167	3333.429924	98.157	0.0001
Error	33	1120.687500	33.960227		
Randomized Complete Block (RCB) AOV For 2 W Weed RAPRA Raphanus raphanistrum Wild radish May-13-22 Control % 0 100 (Data Column 9)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	88989.000000			
Replicate	3	1790.166667	596.722222	0.958	0.4240
Treatment	11	66644.500000	6058.590909	9.727	0.0001
Error	33	20554.333333	622.858586		
Randomized Complete Block (RCB) AOV For 4 W Weed MOLVE Mollugo verticillata carpetweed May-13-22 Molve contr % 0 100 (Data Column 10)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	36635.250000			
Replicate	3	0.083333	0.027778	0.647	0.5904
Treatment	11	36633.750000	3330.340909	77577.361	0.0001
Error	33	1.416667	0.042929		
Randomized Complete Block (RCB) AOV For 1 GLXMA BSOY Glycine max Soybean SH-4820E3 May-20-22 Necrosis % 0 100 (Data Column 11)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	0.000000000000			
Replicate	3	0.000000000000	0.000000000000	0.000	1.0000
Treatment	11	0.000000000000	0.000000000000	0.000	1.0000
Error	33	0.000000000000	0.000000000000		
Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth May-20-22 Control % 0 100 (Data Column 12)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	34849.479167			
Replicate	3	355.729167	118.576389	4.172	0.0131
Treatment	11	33555.729167	3050.520833	107.319	0.0001
Error	33	938.020833	28.424874		
Randomized Complete Block (RCB) AOV For 2 W Weed RAPRA Raphanus raphanistrum Wild radish May-20-22 Control % 0 100 (Data Column 13)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	41016.666667			
Replicate	3	341.666667	113.888889	1.969	0.1377
Treatment	11	38766.666667	3524.242424	60.943	0.0001
Error	33	1908.333333	57.828283		
Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth Jun-2-22 Control % 0 100 (Data Column 14)					
Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35261.979167			
Replicate	3	247.395833	82.465278	4.054	0.0147
Treatment	11	34343.229167	3122.111742	153.465	0.0001
Error	33	671.354167	20.344066		

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US Investigator (Creator): Henry McLean

Master Protocol ID: Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth Jun-14-22 Control % 0 100 (Data Column 15)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	37576.979167			
Replicate	3	309.729167	103.243056	3.992	0.0157
Treatment	11	36413.729167	3310.339015	127.989	0.0001
Error	33	853.520833	25.864268		

Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth Jun-29-22 Control % 0 100 (Data Column 16)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	38166.666667			
Replicate	3	353.000000	117.666667	3.592	0.0237
Treatment	11	36732.666667	3339.333333	101.941	0.0001
Error	33	1081.000000	32.757576		

Randomized Complete Block (RCB) AOV For 1 W Weed AMAPA Amaranthus palmeri Palmer amaranth Aug-1-22 (Data Column 17)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	37824.479167			
Replicate	3	397.395833	132.465278	4.280	0.0117
Treatment	11	36405.729167	3309.611742	106.934	0.0001
Error	33	1021.354167	30.950126		

Randomized Complete Block (RCB) AOV For 3 W Weed PANTE Urochloa texana Texas panicum Aug-1-22 (Data Column 18)

Source	DF	Sum of Squares	Mean Square	F	Prob(F)
Total	47	35311.979167			
Replicate	3	5.729167	1.909722	0.186	0.9049
Treatment	11	34968.229167	3178.929924	310.350	0.0001
Error	33	338.020833	10.243056		

Pest ID Code

4, W, Weed, MOLVE, Mollugo verticillata, carpetweed, = N

Crop ID Code

1, GLXMA, BSOY, Glycine max, Soybean, SH-4820E3 = ENLIST SOYBEAN

Rating Unit/Min/Max

%, 0, 100 = percent

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)													
Trial ID: USSIOH3022022			Location: McLean Henry FS			Trial Year: 2022							
Protocol ID: HSM050A4-2022US			Investigator (Creator): Henry McLean										
Master Protocol ID:			Study Director: Brett Miller										
			Sponsor Contact: Pete Eure										
Conducted Under GEP: No			Trial Origin: P public institution trial										
Pest ID Code												1, W, Weed	
Pest Code												AMAPA	
Pest Scientific Name												Amaranthus palm>	
Pest Name												Palmer amaranth	
Crop ID Code										1, GLXMA	1, GLXMA		1, GLXMA
BBCH Scale										BSOY	BSOY		BSOY
Crop Scientific Name										Glycine max	Glycine max		Glycine max
Crop Name										Soybean	Soybean		Soybean
Crop Variety										SH-4820E3	SH-4820E3		SH-4820E3
Rating Date										Apr-26-22	Apr-26-22	Apr-26-22	May-4-22
Rating Type										Stunting	Necrosis	Control	Stunting
Rating Unit/Min/Max										%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop				
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot	
1	CHK	15994	UNTREATED CHECK								X	101	0.0
												208	0.0
												303	0.0
												412	0.0
												Mean =	0.0
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a			1 A	X		102	0.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		212	10.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		312	15.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		403	10.0
												Mean =	8.8
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a			1 A	X		103	0.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		209	10.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		307	10.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		406	10.0
												Mean =	7.5
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a			1 A	X		104	0.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		201	10.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		301	0.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		411	10.0
												Mean =	5.0
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a			1 A	X		105	0.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X		205	10.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 B	X		308	0.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B	X		408	10.0
												Mean =	5.0
6	HERB	24020	SONIC 70 DF	70	DF	4.5 oz wt/a			1 A	X		106	10.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X			

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)															
Trial ID: USSIOH3022022					Location: McLean Henry FS					Trial Year: 2022					
Protocol ID: HSM050A4-2022US					Investigator (Creator): Henry McLean										
Master Protocol ID:					Study Director: Brett Miller										
					Sponsor Contact: Pete Eure										
Conducted Under GEP: No					Trial Origin: P public institution trial										
Pest ID Code													1, W, Weed		
Pest Code													AMAPA		
Pest Scientific Name													Amaranthus palm>		
Pest Name													Palmer amaranth		
Crop ID Code											1, GLXMA	1, GLXMA		1, GLXMA	
BBCH Scale											BSOY	BSOY		BSOY	
Crop Scientific Name											Glycine max	Glycine max		Glycine max	
Crop Name											Soybean	Soybean		Soybean	
Crop Variety											SH-4820E3	SH-4820E3		SH-4820E3	
Rating Date											Apr-26-22	Apr-26-22	Apr-26-22	May-4-22	
Rating Type											Stunting	Necrosis	Control	Stunting	
Rating Unit/Min/Max											%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	
Trt	Treatment			Form	Form	Other	Other	Min	Appl	Crop					
No. Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl	Code	Destruction	Plot	1	2	3	4
7	HERB 24205	FIERCE XLT 62.41 WG	62.41	WG	3.75 oz wt/a			1 A	X		107	10.0	0.0	99.0	10.0
	ADJ 20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		202	15.0	0.0	100.0	10.0
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		305	15.0	5.0	100.0	0.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		410	15.0	0.0	100.0	10.0
										Mean =		13.8	1.3	99.8	7.5
8	HERB 27205	ZIDUA PRO 4.09 SC	490.09	SC	4.5 fl oz/a			1 A	X		108	0.0	0.0	100.0	0.0
	ADJ 20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		204	10.0	0.0	100.0	0.0
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		304	10.0	0.0	100.0	10.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		405	10.0	0.0	100.0	10.0
										Mean =		7.5	0.0	100.0	5.0
9	HERB 30388	AUTHORITY EDGE	506.88	SC	6 fl oz/a			1 A	X		109	0.0	0.0	100.0	0.0
	ADJ 20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X		207	10.0	0.0	100.0	0.0
	HERB 27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 B	X		309	10.0	0.0	100.0	0.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B	X		407	10.0	0.0	100.0	10.0
										Mean =		7.5	0.0	100.0	2.5
10	HERB	BOUNDARY	6.5	EC				A			110	0.0	0.0	100.0	0.0
	HERB	REFLEX	2	SL				C			203	10.0	0.0	100.0	0.0
	ADJ	INDUCE						C			306	0.0	0.0	100.0	0.0
											409	10.0	0.0	100.0	0.0
										Mean =		5.0	0.0	100.0	0.0
11	HERB	TRICOR	4	F				A			111	0.0	0.0	100.0	0.0
	HERB	LIBERTY	2.34	SL				B			206	10.0	0.0	100.0	0.0
	HERB	DUAL MAGNUM	7.64	EC				B			311	10.0	0.0	100.0	0.0
											404	15.0	0.0	100.0	0.0
										Mean =		8.8	0.0	100.0	0.0
12	HERB	TRICOR	4	F				A			112	10.0	0.0	100.0	0.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 B			210	0.0	0.0	100.0	0.0
	HERB	LIBERTY	2.34	SL				B			302	0.0	0.0	100.0	0.0
											401	10.0	0.0	100.0	0.0
										Mean =		5.0	0.0	100.0	0.0

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code										1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Necrosis %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-4-22 Control %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-13-22 Stunting %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-13-22 Control %, 0, 100
Pest Code													
Pest Scientific Name													
Pest Name													
Crop ID Code													
BBCH Scale													
Crop Scientific Name													
Crop Name													
Crop Variety													
Rating Date													
Rating Type													
Rating Unit/Min/Max													
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop				
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot	
1	CHK	15994	UNTREATED CHECK							X	101	0.0	0.0
											208	0.0	0.0
											303	0.0	0.0
											412	0.0	0.0
											Mean =	0.0	0.0
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a		1 A	X		102	0.0	99.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		212	0.0	99.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		312	0.0	99.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		403	0.0	99.0
											Mean =	0.0	99.0
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a		1 A	X		103	0.0	99.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		209	0.0	99.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		307	0.0	99.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		406	0.0	99.0
											Mean =	0.0	99.0
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a		1 A	X		104	0.0	99.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		201	0.0	99.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		301	0.0	95.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		411	0.0	95.0
											Mean =	0.0	97.0
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a		1 A	X		105	0.0	99.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 B	X		205	0.0	99.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 B	X		308	0.0	99.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 B	X		408	0.0	95.0
											Mean =	0.0	98.0
6	HERB	24020	SONIC 70 DF	70	DF	4.5 oz wt/a		1 A	X		106	0.0	95.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		211	0.0	99.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		310	0.0	95.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		402	0.0	90.0
											Mean =	0.0	94.8

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max											1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-4-22 Necrosis %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-4-22 Control %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-13-22 Stunting %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-13-22 Control %, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop					
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	#	Appl	Code	Destruction	Plot	
7	HERB	24205	FIERCE XLT 62.41 WG	62.41 WG		3.75 oz wt/a		1 A	X			107		0.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X			202		0.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X			305		5.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X			410		0.0
												Mean =		1.3
														99.0
														15.0
														100.0
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09 SC		4.5 fl oz/a		1 A	X			108		0.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X			204		0.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X			304		0.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X			405		0.0
												Mean =		0.0
														99.0
														10.0
														100.0
9	HERB	30388	AUTHORITY EDGE	506.88 SC		6 fl oz/a		1 A	X			109		0.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 B	X			207		0.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 B	X			309		0.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B	X			407		0.0
												Mean =		0.0
														99.0
														0.0
														15.0
														100.0
10	HERB		BOUNDARY	6.5 EC						A		110		0.0
	HERB		REFLEX	2 SL						C		203		0.0
	ADJ		INDUCE							C		306		0.0
												409		0.0
												Mean =		0.0
														99.0
														5.0
														100.0
														90.0
														97.3
11	HERB		TRICOR	4 F						A		111		0.0
	HERB		LIBERTY	2.34 SL						B		206		0.0
	HERB		DUAL MAGNUM	7.64 EC						B		311		0.0
												404		0.0
												Mean =		0.0
														95.0
														5.0
														0.0
														65.0
														70.0
12	HERB		TRICOR	4 F						A		112		0.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B				210		5.0
	HERB		LIBERTY	2.34 SL						B		302		0.0
												401		0.0
												Mean =		1.3
														93.0
														95.0
														0.0
														0.0
														65.0
														70.0

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code										2, W, Weed RAPRA Raphanus raphan> Wild radish	4, W, Weed MOLVE Mollugo vertici> carpetweed	1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-20-22 Necrosis %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-20-22 Control %, 0, 100
Pest Code													
Pest Scientific Name													
Pest Name													
Crop ID Code													
BBCH Scale													
Crop Scientific Name													
Crop Name													
Crop Variety													
Rating Date													
Rating Type													
Rating Unit/Min/Max													
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop				
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot	
1	CHK	15994	UNTREATED CHECK							X			
											101	0.0	0.0
											208	0.0	0.0
											303	0.0	0.0
											412	0.0	0.0
											Mean =	0.0	0.0
2	HERB 33045	TENDOVO HERBICIDE	496.54 ZC			1.2 qt/a		1 A	X		102	100.0	100.0
	ADJ 20065	CLASS ACT RIDION	SL			1 % v/v		1 C	X		212	100.0	100.0
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW			3.5 pt/a		1 C	X		312	100.0	100.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL			32 fl oz/a		1 C	X		403	100.0	100.0
											Mean =	100.0	100.0
3	HERB 33045	TENDOVO HERBICIDE	496.54 ZC			1.5 qt/a		1 A	X		103	100.0	100.0
	ADJ 20065	CLASS ACT RIDION	SL			1 % v/v		1 C	X		209	100.0	100.0
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW			3.5 pt/a		1 C	X		307	100.0	100.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL			32 fl oz/a		1 C	X		406	100.0	100.0
											Mean =	100.0	100.0
4	HERB 3525	BOUNDARY 6.5 EC	777.5 EC			1.5 pt/a		1 A	X		104	100.0	100.0
	ADJ 20065	CLASS ACT RIDION	SL			1 % v/v		1 C	X		201	100.0	100.0
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW			3.5 pt/a		1 C	X		301	100.0	100.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL			32 fl oz/a		1 C	X		411	100.0	100.0
											Mean =	100.0	100.0
5	HERB 24210	BROADAXE XC 7 EC	840 EC			19 fl oz/a		1 A	X		105	0.0	100.0
	ADJ 20065	CLASS ACT RIDION	SL			1 % v/v		1 B	X		205	0.0	100.0
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW			3.5 pt/a		1 B	X		308	0.0	100.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL			32 fl oz/a		1 B	X		408	0.0	100.0
											Mean =	0.0	100.0
6	HERB 24020	SONIC 70 DF	70 DF			4.5 oz wt/a		1 A	X		106	99.0	99.0
	ADJ 20065	CLASS ACT RIDION	SL			1 % v/v		1 C	X		211	100.0	100.0
	HERB 27361	SEQUENCE 5.25 EW	629.1 EW			3.5 pt/a		1 C	X		310	100.0	100.0
	HERB 28425	ENLIST ONE 3.8 SL	455.34 SL			32 fl oz/a		1 C	X		402	100.0	100.0
											Mean =	99.8	99.8

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code Pest Code Pest Scientific Name Pest Name Crop ID Code BBCH Scale Crop Scientific Name Crop Name Crop Variety Rating Date Rating Type Rating Unit/Min/Max											2, W, Weed RAPRA Raphanus raphan> Wild radish May-13-22 Control %, 0, 100	4, W, Weed MOLVE Mollugo vertici> carpetweed May-13-22 Molve contr %, 0, 100	1, GLXMA BSOY Glycine max Soybean SH-4820E3 May-20-22 Necrosis %, 0, 100	1, W, Weed AMAPA Amaranthus palm> Palmer amaranth May-20-22 Control %, 0, 100		
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop							
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot	9	10	11	12
7	HERB	24205	FIERCE XLT 62.41 WG	62.41 WG		3.75 oz wt/a		1 A	X		107		100.0	100.0	0.0	100.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X		202		100.0	100.0	0.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X		305		100.0	100.0	0.0	100.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X		410		100.0	100.0	0.0	100.0
											Mean =		100.0	100.0	0.0	100.0
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09 SC		4.5 fl oz/a		1 A	X		108		100.0	100.0	0.0	100.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 C	X		204		100.0	100.0	0.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 C	X		304		100.0	100.0	0.0	100.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 C	X		405		100.0	100.0	0.0	100.0
											Mean =		100.0	100.0	0.0	100.0
9	HERB	30388	AUTHORITY EDGE	506.88 SC		6 fl oz/a		1 A	X		109		50.0	100.0	0.0	100.0
	ADJ	20065	CLASS ACT RIDION	SL		1 % v/v		1 B	X		207		25.0	100.0	0.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1 EW		3.5 pt/a		1 B	X		309		0.0	100.0	0.0	100.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B	X		407		75.0	100.0	0.0	100.0
											Mean =		37.5	100.0	0.0	100.0
10	HERB		BOUNDARY	6.5 EC				A			110		100.0	100.0	0.0	95.0
	HERB		REFLEX	2 SL				C			203		75.0	99.0	0.0	95.0
	ADJ		INDUCE					C			306		50.0	100.0	0.0	95.0
											409		50.0	100.0	0.0	80.0
											Mean =		68.8	99.8	0.0	91.3
11	HERB		TRICOR	4 F				A			111		100.0	100.0	0.0	100.0
	HERB		LIBERTY	2.34 SL				B			206		100.0	100.0	0.0	90.0
	HERB		DUAL MAGNUM	7.64 EC				B			311		0.0	100.0	0.0	85.0
											404		0.0	100.0	0.0	75.0
											Mean =		50.0	100.0	0.0	87.5
12	HERB		TRICOR	4 F				A			112		100.0	100.0	0.0	90.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34 SL		32 fl oz/a		1 B			210		0.0	100.0	0.0	95.0
	HERB		LIBERTY	2.34 SL				B			302		100.0	100.0	0.0	85.0
											401		100.0	100.0	0.0	90.0
											Mean =		75.0	100.0	0.0	90.0

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)												
Trial ID: USS10H3022022				Location: McLean Henry FS				Trial Year: 2022				
Protocol ID: HSM050A4-2022US				Investigator (Creator): Henry McLean								
Master Protocol ID:				Study Director: Brett Miller								
Conducted Under GEP: No				Sponsor Contact: Pete Eure								
				Trial Origin: P public institution trial								
Pest ID Code										2, W, Weed	1, W, Weed	1, W, Weed
Pest Code										RAPRA	AMAPA	AMAPA
Pest Scientific Name										Raphanus raphan	Amaranthus palm>	Amaranthus palm>
Pest Name										Wild radish	Palmer amaranth	Palmer amaranth
Crop ID Code												
BBCH Scale												
Crop Scientific Name												
Crop Name												
Crop Variety												
Rating Date										May-20-22	Jun-2-22	Jun-14-22
Rating Type										Control	Control	Control
Rating Unit/Min/Max										%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop			
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl Code	Destruction	Plot	
1	CHK	15994	UNTREATED CHECK							X	101	
											208	
											303	
											412	
											Mean =	
											0.0	
											0.0	
											0.0	
											0.0	
											0.0	
											0.0	
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a		1 A	X		102	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		212	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		312	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		403	
											Mean =	
											100.0	
											100.0	
											100.0	
											100.0	
											100.0	
											98.0	
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a		1 A	X		103	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		209	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		307	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		406	
											Mean =	
											100.0	
											100.0	
											100.0	
											100.0	
											98.8	
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a		1 A	X		104	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		201	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		301	

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code												2, W, Weed RAPRA	1, W, Weed AMAPA	1, W, Weed AMAPA
Pest Code												Raphanus raphan>	Amaranthus palm>	Amaranthus palm>
Pest Scientific Name												Wild radish	Palmer amaranth	Palmer amaranth
Pest Name														
Crop ID Code														
BBCH Scale														
Crop Scientific Name														
Crop Name														
Crop Variety														
Rating Date												May-20-22	Jun-2-22	Jun-14-22
Rating Type												Control	Control	Control
Rating Unit/Min/Max												%, 0, 100	%, 0, 100	%, 0, 100
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop					
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit #	Appl	Code	Destruction	Plot		
7	HERB	24205	FIERCE XLT 62.41 WG	62.41	WG	3.75 oz wt/a		1 A	X		107			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		202			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		305			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		410			
											Mean =			
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09	SC	4.5 fl oz/a		1 A	X		108			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		204			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		304			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		405			
											Mean =			
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
												100.0	100.0	100.0
9	HERB	30388	AUTHORITY EDGE	506.88	SC	6 fl oz/a		1 A	X		109			
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 B	X		207			
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 B	X		309			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 B	X		407			
											Mean =			
												95.0	95.0	98.0
												95.0	98.8	99.5
10	HERB		BOUNDARY	6.5	EC			A			110			
	HERB		REFLEX	2	SL			C			203			
	ADJ		INDUCE					C			306			
											409			
											Mean =			
												75.0	95.0	95.0
												81.3	97.5	98.3
11	HERB		TRICOR	4	F			A			111			
	HERB		LIBERTY	2.34	SL			B			206			
	HERB		DUAL MAGNUM	7.64	EC			B			311			
											404			
											Mean =			
												100.0	65.0	60.0
												92.5	77.5	70.0
12	HERB		TRICOR	4	F			A			112			
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 B			210			
	HERB		LIBERTY	2.34	SL			B			302			
											401			
											Mean =			
												100.0	85.0	80.0
												100.0	85.0	80.0
												100.0	80.0	65.0
												100.0	75.0	65.0
												100.0	81.3	72.5

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)															
Trial ID: USSIOH3022022			Location: McLean Henry FS			Trial Year: 2022									
Protocol ID: HSM050A4-2022US			Investigator (Creator): Henry McLean												
Master Protocol ID:			Study Director: Brett Miller												
			Sponsor Contact: Pete Eure												
Conducted Under GEP: No			Trial Origin: P public institution trial												
Pest ID Code										1, W, Weed		1, W, Weed		3, W, Weed	
Pest Code										AMAPA		AMAPA		PANTE	
Pest Scientific Name										Amaranthus palm>		Amaranthus palm>		Urochloa texana	
Pest Name										Palmer amaranth		Palmer amaranth		Texas panicum	
Crop ID Code															
BBCH Scale															
Crop Scientific Name															
Crop Name															
Crop Variety															
Rating Date										Jun-29-22		Aug-1-22		Aug-1-22	
Rating Type										Control					
Rating Unit/Min/Max										%, 0, 100					
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop						
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot			
1	CHK	15994	UNTREATED CHECK									101	0.0	0.0	0.0
												208	0.0	0.0	0.0
												303	0.0	0.0	0.0
												412	0.0	0.0	0.0
												Mean =	0.0	0.0	0.0
2	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.2 qt/a			1 A	X		102	98.0	100.0	100.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		212	85.0	90.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		312	100.0	100.0	100.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		403	100.0	100.0	100.0
												Mean =	95.8	97.5	100.0
3	HERB	33045	TENDOVO HERBICIDE	496.54	ZC	1.5 qt/a			1 A	X		103	100.0	100.0	100.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		209	98.0	100.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		307	100.0	100.0	95.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		406	100.0	100.0	100.0
												Mean =	99.5	100.0	98.8
4	HERB	3525	BOUNDARY 6.5 EC	777.5	EC	1.5 pt/a			1 A	X		104	98.0	100.0	100.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 C	X		201	100.0	95.0	95.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a			1 C	X		301	95.0	90.0	100.0
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a			1 C	X		411	95.0	100.0	95.0
												Mean =	97.0	96.3	97.5
5	HERB	24210	BROADAXE XC 7 EC	840	EC	19 fl oz/a			1 A	X		105	100.0	100.0	100.0
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v			1 B	X		205	100.0	100.0	100.0
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a									

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)

Trial ID: USSIOH3022022

Location: McLean Henry FS

Trial Year: 2022

Protocol ID: HSM050A4-2022US

Investigator (Creator): Henry McLean

Master Protocol ID:

Study Director: Brett Miller

Sponsor Contact: Pete Eure

Trial Origin: P public institution trial

Conducted Under GEP: No

Pest ID Code											1, W, Weed AMAPA		1, W, Weed AMAPA		3, W, Weed PANTE	
Pest Code											Amaranthus palm>		Amaranthus palm>		Urochloa texana	
Pest Scientific Name											Palmer amaranth		Palmer amaranth		Texas panicum	
Pest Name																
Crop ID Code																
BBCH Scale																
Crop Scientific Name																
Crop Name																
Crop Variety																
Rating Date											Jun-29-22		Aug-1-22		Aug-1-22	
Rating Type											Control					
Rating Unit/Min/Max											%, 0, 100					
Trt	Treatment	Treatment	Form	Form	Other	Other	Min	Appl	Crop							
No.	Type	ID_SEQ	Name	Conc	Type	Rate	Rate	Unit	# Appl	Code	Destruction	Plot	16	17	18	
7	HERB	24205	FIERCE XLT 62.41 WG	62.41	WG	3.75 oz wt/a		1 A	X		107		100.0	100.0	95.0	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		202		100.0	100.0	100.0	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		305		100.0	95.0	100.0	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		410		100.0	100.0	100.0	
											Mean =		100.0	98.8	98.8	
8	HERB	27205	ZIDUA PRO 4.09 SC	490.09	SC	4.5 fl oz/a		1 A	X		108		100.0	100.0	100.0	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 C	X		204		100.0	100.0	95.0	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 C	X		304		100.0	100.0	100.0	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 C	X		405		100.0	100.0	100.0	
											Mean =		100.0	100.0	98.8	
9	HERB	30388	AUTHORITY EDGE	506.88	SC	6 fl oz/a		1 A	X		109		100.0	100.0	100.0	
	ADJ	20065	CLASS ACT RIDION		SL	1 % v/v		1 B	X		207		100.0	100.0	95.0	
	HERB	27361	SEQUENCE 5.25 EW	629.1	EW	3.5 pt/a		1 B	X		309		100.0	100.0	100.0	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 B	X		407		95.0	95.0	95.0	
											Mean =		98.8	98.8	97.5	
10	HERB		BOUNDARY	6.5	EC			A			110		100.0	95.0	85.0	
	HERB		REFLEX	2	SL			C			203		100.0	100.0	100.0	
	ADJ		INDUCE					C			306		95.0	85.0	90.0	
											409		90.0	85.0	90.0	
											Mean =		96.3	91.3	91.3	
11	HERB		TRICOR	4	F			A			111		80.0	75.0	100.0	
	HERB		LIBERTY	2.34	SL			B			206		70.0	75.0	100.0	
	HERB		DUAL MAGNUM	7.64	EC			B			311		55.0	50.0	95.0	
											404		55.0	50.0	95.0	
											Mean =		65.0	62.5	97.5	
12	HERB		TRICOR	4	F			A			112		80.0	75.0	85.0	
	HERB	28425	ENLIST ONE 3.8 SL	455.34	SL	32 fl oz/a		1 B			210		70.0	75.0	85.0	
	HERB		LIBERTY	2.34	SL			B			302		60.0	65.0	90.0	
											401		70.0	75.0	95.0	
											Mean =		70.0	72.5	88.8	

University of Georgia

TENDOVO: Crop Tolerance and Efficacy in Conventional Till Soybean (University - Coarse Soils) SB-01-22 (PROSTKO)		
Trial ID: USSIOH3022022	Location: McLean Henry FS	Trial Year: 2022
Protocol ID: HSM050A4-2022US	Investigator (Creator): Henry McLean	
Master Protocol ID:	Study Director: Brett Miller	
	Sponsor Contact: Pete Eure	
Conducted Under GEP: No	Trial Origin: P public institution trial	

<u>Pest ID Code</u>
4, W, Weed, MOLVE, Mollugo verticillata, carpetweed, = N
<u>Crop ID Code</u>
1, GLXMA, BSOY, Glycine max, Soybean, SH-4820E3 = ENLIST SOYBEAN
<u>Rating Unit/Min/Max</u>
%, 0, 100 = percent