

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

General Trial Information

Investigator: Dain Bruns

Discipline: H herbicide
 Status: E established
 Status Date: Mar-21-2022 12:33 PM
 ARM Trial Created On: Mar-21-2022
 Initiation Date: Mar-21-2022
 Protocol Revision Number: 1.0 Protocol Revision Date: Mar-18-2022
 Usage/Type: 0 Research and Development
 Last Changed By: Dr. Mark M. Loux

Trial Location

Address (Location): 7721 South Charleston Pike
 City: South Charleston Country: USA United States
 State/Prov.: Ohio OH
 Postal Code: 45368
 Latitude of LL Corner °: 39.85876 N
 Longitude of LL Corner °: -83.67141 W USAOH42.327132 -38.403423
 -80.518705 -84.820305
 Altitude of LL Corner: 1087.00FT

Conducted Under GLP: No
 Conducted Under GEP: No
 None

Role: INVEST investigator
 Investigator: Dain Bruns
 Organization: Syngenta
 Address 1: 24435 Holycross-Epps Rd. Phone No.: 937-747-3503 Mobile No.: 614-361-6234
 Country: USA United States E-mail: dain.brun@syngenta.com
 City: Marysville, OH Postal Code: 43040
 Role: SPONSR sponsor
 Sponsor: Gordon Vail Title: Head, Crop Protection Field Develop
 Organization: Syngenta Crop Protection AG
 Address 1: Syngenta Crop Protection LLC 410 Swing Road Greensbor Phone No.: +13366325596 Mobile No.: +1-5152290064
 Country: USA United States E-mail: gordon.vail@syngenta.com
 City: Greensboro, NC
 Role: COOPER cooperato
 Cooperator: Mark Loux Title: UNVCOP
 Organization: Ohio State University
 Country: USA United States
 City: Columbus State/Prov: OH Postal Code: 43210

Crop Description

Crop 1: C GLXMA Glycine max Soybean BBCH Scale: BSOY
 Entry Date: May-3-2022 Stage Scale: BBCH
 Variety: P35T15E Maturity Group: III
 Attributes: 2,4-D Choline, Glyphosate, Glufosinate Tol
 Seed Lot No: Z3HED13046-00-0679 Seed Source: Pioneer
 % Germination: 90 1000 Grain Weight: 0.33LB
 Planting Date: Apr-28-2022 Planting Rate: 165000 S/A
 Depth: 1.5 IN
 Rows per Plot: 8 Planting Method: PLANTD planted
 Row Spacing: 15 IN Planting Equipment: PP plot planter
 Soil Temperature: 43 F Soil Moisture: SLIDRY slightly dry
 Emergence Date: May-16-2022
 Harvest Date: Oct-5-2022 Harvest Equipment: Kincaid 8XP
 Moisture Meter: Harvest Master Harvested Width: 6.25 FT
 % Standard Moisture: 13.0 Harvested Length: 30 FT
 Weighing Equipment: Harvest Master HM800

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Pest Description

Pest 1 Type: W	Code: STEME	Stellaria media	Entry Date: Jul-19-2022
		Common Name: chickweed	Stage Scale: BBCH
Pest 2 Type: W	Code: LAMPU	Lamium purpureum	Entry Date: May-3-2022
		Common Name: purple deadnettle	Stage Scale: BBCH
Pest 3 Type: W	Code: CARPE	Cardamine pensylvanica	Entry Date: May-3-2022
		Common Name: Pennsylvania bittercress	Stage Scale: BBCH
Pest 4 Type: W	Code: RANAB	Ranunculus abortivus	Entry Date: May-3-2022
		Common Name: Smallflower buttercup	Stage Scale: BBCH
Pest 5 Type: W	Code: ERYRE	Erysimum repandum	Entry Date: May-3-2022
		Common Name: spreading treacle mustard	Stage Scale: BBCH
Pest 6 Type: W	Code: TAROF	Taraxacum officinale	Entry Date: May-3-2022
		Common Name: dandelion	Stage Scale: BBCH
Pest 7 Type: W	Code: VERAG	Veronica agrestis	Entry Date: May-3-2022
		Common Name: Procumbent speedwell	Stage Scale: BBCH
Pest 8 Type: W	Code: AMBTR	Ambrosia trifida	Entry Date: May-3-2022
		Common Name: Giant ragweed	Stage Scale: BBCH
Pest 9 Type: W	Code: AMBEL	Ambrosia artemisiifolia	Entry Date: Jun-9-2022
		Common Name: Common ragweed	Stage Scale: BBCH
Pest10 Type: W	Code: SETFA	Setaria faberi	Entry Date: Jun-9-2022
		Common Name: Giant foxtail	Stage Scale: BBCH
Pest11 Type: W	Code: CHEAL	Chenopodium album	Entry Date: Jun-9-2022
		Common Name: common lambsquarters	Stage Scale: BBCH
Pest12 Type: W	Code: SIDSP	Sida spinosa	Entry Date: Jun-9-2022
		Common Name: Prickly sida	Stage Scale: BBCH
Pest13 Type: W	Code: POLPY	Persicaria pensylvanica	Entry Date: Jun-9-2022
		Common Name: annual smartweed	Stage Scale: BBCH
Pest14 Type: W	Code: ECHCG	Echinochloa crus-galli	Entry Date: Jun-9-2022
		Common Name: common barnyardgrass	Stage Scale: BBCH
Pest15 Type: W	Code: ERYRE	Erysimum repandum	Entry Date: Jun-9-2022
		Common Name: spreading treacle mustard	Stage Scale: BBCH
Pest16 Type: W	Code: ERICA	Erigeron canadensis	Entry Date: Jun-9-2022
		Common Name: mare's-tail	Stage Scale: BBCH

Site and Design

Treated Plot Width: 10 FT Total Plot Width: 10 FT Site Type: FIELD field
 Treated Plot Length: 30 FT Total Plot Length: 30 FT Experimental Unit: 1 PLOT plot
 Treated Plot Area: 300.0 FT² Tillage Type: NOTILL no-till
 Replications: 3 Treatments: 10 Plots: 30 Study Design: RACOB L Randomized Complete Block (RCB)
 Untreated Arrangement: INCLUDED single control randomized in each block
 Block Arrangement: B2APSS block 2 above 1, 3 above 4, 2 beside 3, 1 beside 4, plots side by side
 Distance between Blocks: 5 FT

Previous
 No. Crop Year
 1. ZEAMX 2021

Soil Description

Description Name: F-9 East
 % Sand: 36 % OM: 3 Texture: SICL silty clay loam
 % Silt: 49 Soil Name: Kokomo
 % Clay: 15 Fert. Level: G good
 pH: 6.4 CEC: 17.8
 Soil Drainage: G good

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Application Description

	A	B
Application Date	Apr-28-2022	Jun-8-2022
Appl. Start Time	9:00 AM	9:18 AM
Appl. Stop Time	9:20 AM	9:40 AM
Interval to Prev. Appl.		41 DAYS
Application Method	SPRAY	SPRAY
Application Timing	PREPRE	POSPOS
Application Placement	BROFOL	BROFOL
Applied By	Essman	Essman
Appl. Entry Date	May-3-2022	Jun-9-2022
Air Temperature Start, Stop	42, 42 F	66, 66 F
% Relative Humidity Start, Stop	44, 44	70, 70
Wind Velocity+Dir. Start	3.5 MPH, E	3 MPH, E
Wind Velocity+Dir. Stop	3.5 MPH, E	3 MPH, E
Wind Velocity+Dir. Max	3.5 MPH, E	3 MPH, E
Wet Leaves (Y/N)	N, no	N, no
Soil Temperature	42.5 F	61 F
Soil Moisture	DRY	SLIDRY
% Cloud Cover	90	20
Next Moisture Occurred On	Apr-30-2022	Jun-8-2022
Time to Next Moisture	2.0 DAY	9.0 HR
Moisture 1 Week after Appl.	1.1 IN	1.92 IN
Weather Source	WSFIELD	WSFIELD

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale	GLXMA, BSOY	GLXMA, BSOY
Stage Scale Used	BBCH	BBCH
Stage Majority, Percent		15, 100
Height Average		7 IN
Height Minimum, Maximum		4, 8

Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale	STEME, W, BBCH	STEME, W, BBCH
Stage Majority, Percent	19, 100	
Diameter Average	6 IN	
Diameter Minimum, Maximum	4, 6	
Height Average	1 IN	
Height Minimum, Maximum	0.5, 2	
Density Average	5 PLA/M2	
Density Minimum, Maximum	3, 8	
Pest 2 Code, Type, Scale	LAMPU, W, BBCH	LAMPU, W, BBCH
Stage Majority, Percent	65, 80	
Stage Minimum, Percent	60, 10	
Stage Maximum, Percent	65, 80	
Diameter Average	3 IN	
Diameter Minimum, Maximum	3, 4	
Height Average	7 IN	
Height Minimum, Maximum	6, 8	
Density Average	12 PLA/M2	
Density Minimum, Maximum	8, 15	
Pest 3 Code, Type, Scale	CARPE, W, BBCH	CARPE, W, BBCH
Stage Majority, Percent	69, 90	
Stage Minimum, Percent	65, 10	
Stage Maximum, Percent	69, 90	
Diameter Average	3 IN	
Diameter Minimum, Maximum	2, 3	
Height Average	6 IN	
Height Minimum, Maximum	6, 8	
Density Average	6 PLA/M2	
Density Minimum, Maximum	3, 8	
Pest 4 Code, Type, Scale	RANAB, W, BBCH	RANAB, W, BBCH
Stage Majority, Percent	65, 80	
Stage Minimum, Percent	60, 10	
Stage Maximum, Percent	65, 80	
Diameter Average	3 IN	
Diameter Minimum, Maximum	3, 4	
Height Average	10 IN	
Height Minimum, Maximum	8, 12	
Density Average	2 PLA/M2	
Density Minimum, Maximum	0, 6	
Pest 5 Code, Type, Scale	ERYRE, W, BBCH	ERYRE, W, BBCH
Stage Majority, Percent	60, 90	
Stage Minimum, Percent	55, 10	
Stage Maximum, Percent	60, 90	
Diameter Average	4 IN	
Diameter Minimum, Maximum	3, 5	
Height Average	7 IN	
Height Minimum, Maximum	5, 9	
Density Average	3 PLA/M2	

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Density Minimum, Maximum	0, 5
Pest 6 Code, Type, Scale	TAROF, W, BBCH TAROF, W, BBCH
Stage Majority, Percent	65, 80
Stage Minimum, Percent	60, 10
Stage Maximum, Percent	65, 80
Diameter Average	6 IN
Diameter Minimum, Maximum	4, 8
Height Average	3 IN
Height Minimum, Maximum	1, 4
Density Average	5 PLA/M2
Density Minimum, Maximum	2, 8
Pest 7 Code, Type, Scale	VERAG, W, BBCH VERAG, W, BBCH
Stage Majority, Percent	65, 80
Stage Minimum, Percent	60, 10
Stage Maximum, Percent	65, 80
Diameter Average	4 IN
Diameter Minimum, Maximum	4, 6
Height Average	2 IN
Height Minimum, Maximum	1, 2
Density Average	3 PLA/M2
Density Minimum, Maximum	1, 6
Pest 8 Code, Type, Scale	AMBTR, W, BBCH AMBTR, W, BBCH
Stage Majority, Percent	12, 80 18, 60
Stage Minimum, Percent	10, 20 14, 20
Stage Maximum, Percent	12, 80 19, 20
Diameter Average	2 IN
Diameter Minimum, Maximum	1, 2
Height Average	2 IN 14 IN
Height Minimum, Maximum	2, 3 1.5, 23
Density Average	8 PLA/M2
Density Minimum, Maximum	2, 10
Pest 9 Code, Type, Scale	AMBEL, W, BBCH AMBEL, W, BBCH
Stage Majority, Percent	18, 60
Stage Minimum, Percent	14, 20
Stage Maximum, Percent	19, 20
Height Average	10 IN
Height Minimum, Maximum	1.5, 12
Density Average	5 PLA/M2
Density Minimum, Maximum	3, 9
Pest10 Code, Type, Scale	SETFA, W, BBCH SETFA, W, BBCH
Stage Majority, Percent	13, 90
Stage Minimum, Percent	13, 90
Stage Maximum, Percent	15, 10
Height Average	8 IN
Height Minimum, Maximum	0.5, 12
Density Average	98 PLA/M2
Density Minimum, Maximum	95, 125
Pest11 Code, Type, Scale	CHEAL, W, BBCH CHEAL, W, BBCH
Stage Majority, Percent	18, 80
Stage Minimum, Percent	16, 10
Stage Maximum, Percent	18, 80
Height Average	8 IN
Height Minimum, Maximum	2, 11
Density Average	8 PLA/M2
Density Minimum, Maximum	5, 12
Pest12 Code, Type, Scale	SIDSP, W, BBCH SIDSP, W, BBCH
Stage Majority, Percent	12, 100
Height Average	1.5 IN
Height Minimum, Maximum	0.5, 2
Density Average	6 PLA/M2
Density Minimum, Maximum	3, 9
Pest13 Code, Type, Scale	POLPY, W, BBCH POLPY, W, BBCH
Stage Majority, Percent	14, 60
Stage Minimum, Percent	13, 20
Stage Maximum, Percent	17, 20
Height Average	5 IN
Height Minimum, Maximum	2, 8
Density Average	6 PLA/M2
Density Minimum, Maximum	0, 8
Pest14 Code, Type, Scale	ECHCG, W, BBCH ECHCG, W, BBCH
Stage Majority, Percent	13, 90
Stage Minimum, Percent	13, 90
Stage Maximum, Percent	15, 10
Height Average	1 IN
Height Minimum, Maximum	1, 2
Density Average	12 PLA/M2
Density Minimum, Maximum	8, 25
Pest15 Code, Type, Scale	ERYRE, W, BBCH ERYRE, W, BBCH
Stage Majority, Percent	65, 100
Height Average	8 IN
Height Minimum, Maximum	2, 10
Density Average	3 PLA/M2
Density Minimum, Maximum	0, 5

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Pest16 Code, Type, Scale ERICA, W, BBCH ERICA, W, BBCH
 Stage Majority, Percent 19, 100
 Height Average 4 IN
 Height Minimum, Maximum 4, 6
 Density Average 1 PLA/M2
 Density Minimum, Maximum 0, 3

Application Equipment

	A	B
Appl. Equipment	6' AIXR	10' AIXR
Equipment Type	BACCAI	BACCAI
Operation Pressure	44 PSI	44 PSI
Nozzle Model	110015	110015
Nozzle Type	ARINDH	ARINDH
Nozzle TradeName	TeeJet AI XR	TeeJet AI XR
Nozzle Tip Size, Color	015, green	015, green
Nozzle Spacing	18 IN	18 IN
Nozzle Filter Mesh	100	100
Boom Length	6.67 FT	10 FT
Boom Height	20 IN	20 IN
Ground Speed	3 MPH	3 MPH
Carrier	WATER	WATER
Water Hardness (ppm CaCO3)	250	250
Application Amount	15 GAL/AC	15 GAL/AC
Minimum Mix/Treatment	1.173 L	1.173 L
Mix Overage	25 mL	25 mL
Mix Size	2 L	2 L
Spray pH	7.8	7.8
Propellant	COMCO2	COMCO2
Tank Mix (Y/N)	Y, yes	Y, yes

	1, W, Weed	2, W, Weed	4, W, Weed	6, W, Weed
Pest ID Code	STEME	LAMPU	RANAB	TAROF
Pest Code	STEME	LAMPU	RANAB	TAROF
Pest Scientific Name	Stellaria media	Lamium purpureum	Ranunculus abortivus	Taraxacum officinale
Pest Name	chickweed	purple deadnettle	Smallflower buttercup	dandelion
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	May-10-2022	May-10-2022
SE Group No.	32	2	3	4
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	12, 12	12, 12
Trt-Eval Interval	12 DA-A	12 DA-A	12 DA-A	12 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	12 DP-1	12 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	-6 DE-1	-6 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	1*	2*	3*	4*
1 CHECK		B	0b	0c	0c	0c
2 TENDOVO HERBICIDE	2440g ai/ha	A	88a	92a	97a	78ab
2 GRAMOXONE SL 3.0	840g ai/ha	A				
2 NIS	0.25% v/v	A				
2 AMSOL	2.5% v/v	B				
2 SEQUENCE 5.25 EW	2200g ae/ha	B				
2 ENLIST ONE 3.8 SL	1060g ae/ha	B				

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Pest ID Code	1, W, Weed	2, W, Weed	4, W, Weed	6, W, Weed
Pest Code	STEME	LAMPU	RANAB	TAROF
Pest Scientific Name	Stellaria media	Lamium purpureum	Ranunculus abor>	Taraxacum offic>
Pest Name	chickweed	purple deadnett>	Smallflower but>	dandelion
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	May-10-2022	May-10-2022
SE Group No.	32	2	3	4
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	12, 12	12, 12
Trt-Eval Interval	12 DA-A	12 DA-A	12 DA-A	12 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	12 DP-1	12 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	-6 DE-1	-6 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	1*	2*	3*	4*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	93 a	92 a	93 ab	80 ab
3 GRAMOXONE SL 3.0	840 g ai/ha	A				
32,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
3 NIS	0.25 % v/v	A				
3 AMSOL	2.5 % v/v	B				
3 SEQUENCE 5.25 EW	2200 g ae/ha	B				
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
4 AMSOL	2.5 % v/v	A	90 a	68 b	85 ab	85 a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A				
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
4 MSO	1 % v/v	A				
4 AMSOL	2.5 % v/v	B				
4 SEQUENCE 5.25 EW	2200 g ae/ha	B				
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
5 AMSOL	2.5 % v/v	A	78 a	83 ab	83 ab	75 ab
5 TENDOVO HERBICIDE	2440 g ai/ha	A				
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
52,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
5 NIS	0.25 % v/v	A				
5 AMSOL	2.5 % v/v	B				
5 SEQUENCE 5.25 EW	2200 g ae/ha	B				
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
6 AMSOL	2.5 % v/v	A	83 a	82 ab	73 b	66 b
6 BOUNDARY 6.5 EC	1640 g ai/ha	A				
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
62,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
6 NIS	0.25 % v/v	A				
6 AMSOL	2.5 % v/v	B				
6 SEQUENCE 5.25 EW	2200 g ae/ha	B				
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
7 AMSOL	2.5 % v/v	A	87 a	68 b	90 ab	78 ab
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A				
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
72,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
7 NIS	0.25 % v/v	A				
7 AMSOL	2.5 % v/v	B				
7 SEQUENCE 5.25 EW	2200 g ae/ha	B				
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B				

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Pest ID Code	1, W, Weed	2, W, Weed	4, W, Weed	6, W, Weed
Pest Code	STEME	LAMPU	RANAB	TAROF
Pest Scientific Name	Stellaria media	Lamium purpureum	Ranunculus abortivus	Taraxacum officinale
Pest Name	chickweed	purple deadnett	Smallflower but	dandelion
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	May-10-2022	May-10-2022
SE Group No.	32	2	3	4
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	12, 12	12, 12
Trt-Eval Interval	12 DA-A	12 DA-A	12 DA-A	12 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	12 DP-1	12 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	-6 DE-1	-6 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	1*	2*	3*	4*
8AMSOL	2.5% v/v	A	87 a	68 b	92 ab	82 ab
8AUTHORITY SUPREME HERBICIDE	290 g ai/ha	A				
8ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
82,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
8NIS	0.25% v/v	A				
8AMSOL	2.5% v/v	B				
8SEQUENCE 5.25 EW	2200 g ae/ha	B				
8ENLIST ONE 3.8 SL	1060 g ae/ha	B				
9ENLIST ONE 3.8 SL	530 g ae/ha	A	88 a	73 b	85 ab	80 ab
9ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
9FIERCE EZ 3.04 SC	160 g ai/ha	A				
9NIS	0.25% v/v	A				
9ENLIST ONE 3.8 SL	530 g ae/ha	B				
9ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				
9PERPETUO	121 g ai/ha	B				
9SELECT MAX 0.97 EC	76.4 g ai/ha	B				
9AMSOL	2.5% v/v	B				
9NIS	0.25% v/v	B				

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

	1, W, Weed	2, W, Weed	4, W, Weed	6, W, Weed
Pest ID Code	STEME	LAMPU	RANAB	TAROF
Pest Code	STEME	LAMPU	RANAB	TAROF
Pest Scientific Name	Stellaria media	Lamium purpureum	Ranunculus abor>	Taraxacum offic>
Pest Name	chickweed	purple deadnett>	Smallflower but>	dandelion
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	May-10-2022	May-10-2022
SE Group No.	32	2	3	4
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	May-11-2022	May-11-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	12, 12	12, 12
Trt-Eval Interval	12 DA-A	12 DA-A	12 DA-A	12 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	12 DP-1	12 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	-6 DE-1	-6 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	1*	2*	3*	4*
10ENLIST ONE 3.8 SL	530 g ae/ha	A	85 a	67 b	87 ab	73 ab
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
10FIRSTRATE 84 WG	35.3 g ai/ha	A				
10FIERCE EZ 3.04 SC	160 g ai/ha	A				
10NIS	0.25 % v/v	A				
10ENLIST ONE 3.8 SL	530 g ae/ha	B				
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				
10PERPETUO	121 g ai/ha	B				
10SELECT MAX 0.97 EC	76.4 g ai/ha	B				
10AMSOL	2.5 % v/v	B				
10NIS	0.25 % v/v	B				
LSD P=.05			12.8	11.4	10.9	8.2
Standard Deviation			7.4	6.7	6.0	4.6
CV			9.59	9.61	7.95	6.79
Grand Mean			77.7	69.3	76.0	68.1
Levene's F^			0.50	0.292	11.78	1.49
Levene's Prob(F)			0.856	0.969	0.00*	0.243
Rank X2			.	.	.	.
P(Rank X2)			.	.	.	.
Skewness^			0.7287	0.246	-0.0025	0.0007
Kurtosis^			1.7875*	-0.6639	-0.4048	1.7619
Replicate F			0.858	0.582	0.053	1.011
Replicate Prob(F)			0.4417	0.5687	0.9485	0.3930
Treatment F			41.261	46.438	63.327	85.118
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022
 Protocol ID: HAISSUP4-2022US
 Master Protocol ID:
 Study Director:
 Investigator (Creator): Dain Bruns

Official Trial ID:
 Location: Bruns Dain FS
 Cooperator Trial ID:
 Trial Year: 2022
 Sponsor Contact: Gordon Vail
 Trial Origin: P public institution trial Conducted Under GEP: No

	16, W, Weed	8, W, Weed	16, W, Weed	1, W, Weed		
Pest ID Code	ERICA	AMBTR	ERICA	STEME		
Pest Code	ERICA	AMBTR	ERICA	STEME		
Pest Scientific Name	Erigeron canadensis	Ambrosia trifida	Erigeron canadensis	Stellaria media		
Pest Name	mare's-tail	Giant ragweed	mare's-tail	chickweed		
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	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	May-10-2022	May-10-2022	Jun-2-2022	Jun-2-2022		
SE Group No.	5	6	7	8		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	May-11-2022	May-11-2022	Jun-2-2022	Jun-2-2022		
Rating Timing						
Days After First/Last Applic.	12, 12	12, 12	35, 35	35, 35		
Trt-Eval Interval	12 DA-A	12 DA-A	35 DA-A	35 DA-A		
Plant-Eval Interval	12 DP-1	12 DP-1	35 DP-1	35 DP-1		
Days After Emergence	-6 DE-1	-6 DE-1	17 DE-1	17 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	5*	6*	7*	8*
1 CHECK		B	0c	0b	0b	0b
2 TENDOVO HERBICIDE	2440g ai/ha A		60b	98a	77a	77a
2 GRAMOXONE SL 3.0	840g ai/ha A					
2 NIS	0.25% v/v A					
2 AMSOL	2.5% v/v B					
2 SEQUENCE 5.25 EW	2200g ae/ha B					
2 ENLIST ONE 3.8 SL	1060g ae/ha B					

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	16, W, Weed	8, W, Weed	16, W, Weed	1, W, Weed
Pest Code	ERICA	AMBTR	ERICA	STEME
Pest Scientific Name	Erigeron canadense	Ambrosia trifida	Erigeron canadense	Stellaria media
Pest Name	mare's-tail	Giant ragweed	mare's-tail	chickweed
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	Jun-2-2022	Jun-2-2022
SE Group No.	5	6	7	8
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	Jun-2-2022	Jun-2-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	35, 35	35, 35
Trt-Eval Interval	12 DA-A	12 DA-A	35 DA-A	35 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	35 DP-1	35 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	17 DE-1	17 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	5*	6*	7*	8*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	85 a	90 a	93 a	90 a
3 GRAMOXONE SL 3.0	840 g ai/ha	A				
32,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
3 NIS	0.25 % v/v	A				
3 AMSOL	2.5 % v/v	B				
3 SEQUENCE 5.25 EW	2200 g ae/ha	B				
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
4 AMSOL	2.5 % v/v	A		89 a	90 a	93 a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A				
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
4 MSO	1 % v/v	A				
4 AMSOL	2.5 % v/v	B				
4 SEQUENCE 5.25 EW	2200 g ae/ha	B				
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
5 AMSOL	2.5 % v/v	A	83 a	93 a	83 a	90 a
5 TENDOVO HERBICIDE	2440 g ai/ha	A				
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
52,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
5 NIS	0.25 % v/v	A				
5 AMSOL	2.5 % v/v	B				
5 SEQUENCE 5.25 EW	2200 g ae/ha	B				
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
6 AMSOL	2.5 % v/v	A	85 a	93 a	100 a	80 a
6 BOUNDARY 6.5 EC	1640 g ai/ha	A				
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
62,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
6 NIS	0.25 % v/v	A				
6 AMSOL	2.5 % v/v	B				
6 SEQUENCE 5.25 EW	2200 g ae/ha	B				
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
7 AMSOL	2.5 % v/v	A	83 a	100 a	100 a	90 a
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A				
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
72,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
7 NIS	0.25 % v/v	A				
7 AMSOL	2.5 % v/v	B				
7 SEQUENCE 5.25 EW	2200 g ae/ha	B				
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	16, W, Weed	8, W, Weed	16, W, Weed	1, W, Weed
Pest Code	ERICA	AMBTR	ERICA	STEME
Pest Scientific Name	Erigeron canadense	Ambrosia trifida	Erigeron canadense	Stellaria media
Pest Name	mare's-tail	Giant ragweed	mare's-tail	chickweed
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	Jun-2-2022	Jun-2-2022
SE Group No.	5	6	7	8
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	Jun-2-2022	Jun-2-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	35, 35	35, 35
Trt-Eval Interval	12 DA-A	12 DA-A	35 DA-A	35 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	35 DP-1	35 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	17 DE-1	17 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	5*	6*	7*	8*
8AMSOL	2.5% v/v	A	83 a	95 a	100 a	87 a
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A				
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A				
8NIS	0.25% v/v	A				
8AMSOL	2.5% v/v	B				
8SEQUENCE 5.25 EW	2200g ae/ha	B				
8ENLIST ONE 3.8 SL	1060g ae/ha	B				
9ENLIST ONE 3.8 SL	530g ae/ha	A	82 a	100 a	75 a	93 a
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
9FIERCE EZ 3.04 SC	160g ai/ha	A				
9NIS	0.25% v/v	A				
9ENLIST ONE 3.8 SL	530g ae/ha	B				
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
9PERPETUO	121g ai/ha	B				
9SELECT MAX 0.97 EC	76.4g ai/ha	B				
9AMSOL	2.5% v/v	B				
9NIS	0.25% v/v	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	16, W, Weed	8, W, Weed	16, W, Weed	1, W, Weed
Pest Code	ERICA	AMBTR	ERICA	STEME
Pest Scientific Name	Erigeron canadense	Ambrosia trifida	Erigeron canadense	Stellaria media
Pest Name	mare's-tail	Giant ragweed	mare's-tail	chickweed
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	May-10-2022	May-10-2022	Jun-2-2022	Jun-2-2022
SE Group No.	5	6	7	8
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	May-11-2022	May-11-2022	Jun-2-2022	Jun-2-2022
Rating Timing				
Days After First/Last Applic.	12, 12	12, 12	35, 35	35, 35
Trt-Eval Interval	12 DA-A	12 DA-A	35 DA-A	35 DA-A
Plant-Eval Interval	12 DP-1	12 DP-1	35 DP-1	35 DP-1
Days After Emergence	-6 DE-1	-6 DE-1	17 DE-1	17 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment	Rate	Appl	5*	6*	7*	8*
No. Name	Rate Unit	Code				
10ENLIST ONE 3.8 SL	530 g ae/ha	A	83 a	95 a	85 a	93 a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
10FIRSTRATE 84 WG	35.3 g ai/ha	A				
10FIERCE EZ 3.04 SC	160 g ai/ha	A				
10NIS	0.25 % v/v	A				
10ENLIST ONE 3.8 SL	530 g ae/ha	B				
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				
10PERPETUO	121 g ai/ha	B				
10SELECT MAX 0.97 EC	76.4 g ai/ha	B				
10AMSOL	2.5 % v/v	B				
10NIS	0.25 % v/v	B				
LSD P=.05			4.7	13.6	19.1	25.8
Standard Deviation			2.6	7.9	11.1	15.0
CV			3.46	9.27	13.85	18.97
Grand Mean			74.0	85.3	80.3	79.3
Levene's F^			0.787	0.841	0.921	0.294
Levene's Prob(F)			0.625	0.589	0.527	0.968
Rank X2			.	.	.	.
P(Rank X2)			.	.	.	.
Skewness^			-0.3758	-0.6013	0.2313	-0.1546
Kurtosis^			-0.188	0.0295	1.1748	-0.8022
Replicate F			1.212	0.293	0.693	0.109
Replicate Prob(F)			0.3420	0.7496	0.5128	0.8971
Treatment F			241.884	43.871	21.403	10.722
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0001

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022
 Protocol ID: HAISSUP4-2022US
 Master Protocol ID:
 Study Director:
 Investigator (Creator): Dain Bruns

Official Trial ID:
 Location: Bruns Dain FS
 Sponsor Contact: Gordon Vail
 Trial Origin: P public institution trial
 Cooperator Trial ID:
 Trial Year: 2022
 Conducted Under GEP: No

	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed	16, W, Weed		
Pest ID Code	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed	16, W, Weed		
Pest Code	TAROF	SETFA	AMBTR	AMBEL	ERICA		
Pest Scientific Name	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>	Erigeron canad>		
Pest Name	dandelion	Giant foxtail	Giant ragweed	Common ragweed	mare's-tail		
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA		
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY		
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max		
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-7-2022		
SE Group No.	9	10	11	12	13		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-8-2022		
Rating Timing					B0		
Days After First/Last Applic.	35, 35	35, 35	35, 35	35, 35	40, 40		
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	-1 DA-B		
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	40 DP-1		
Days After Emergence	17 DE-1	17 DE-1	17 DE-1	17 DE-1	22 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment No. Name	Rate Rate Unit	Appl Code	9*	10*	11*	12*	13*
1 CHECK		B	0c	0b	0b	0b	0b
2 TENDOVO HERBICIDE	2440g ai/ha A		60b	72a	78a	80a	93a
2 GRAMOXONE SL 3.0	840g ai/ha A						
2 NIS	0.25% v/v A						
2 AMSOL	2.5% v/v B						
2 SEQUENCE 5.25 EW	2200g ae/ha B						
2 ENLIST ONE 3.8 SL	1060g ae/ha B						

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed	16, W, Weed
Pest Code	TAROF	SETFA	AMBTR	AMBEL	ERICA
Pest Scientific Name	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>	Erigeron canad>
Pest Name	dandelion	Giant foxtail	Giant ragweed	Common ragweed	mare's-tail
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-7-2022
SE Group No.	9	10	11	12	13
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-8-2022
Rating Timing					B0
Days After First/Last Applic.	35, 35	35, 35	35, 35	35, 35	40, 40
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	-1 DA-B
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	40 DP-1
Days After Emergence	17 DE-1	17 DE-1	17 DE-1	17 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	9*	10*	11*	12*	13*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	63b	78a	72a	90a	87a
3 GRAMOXONE SL 3.0	840 g ai/ha	A					
32,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
3 NIS	0.25% v/v	A					
3 AMSOL	2.5% v/v	B					
3 SEQUENCE 5.25 EW	2200 g ae/ha	B					
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
4 AMSOL	2.5% v/v	A	81ab	82a	63a	63a	100a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A					
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
4 MSO	1% v/v	A					
4 AMSOL	2.5% v/v	B					
4 SEQUENCE 5.25 EW	2200 g ae/ha	B					
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
5 AMSOL	2.5% v/v	A	104a	80a	88a	90a	90a
5 TENDOVO HERBICIDE	2440 g ai/ha	A					
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
52,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
5 NIS	0.25% v/v	A					
5 AMSOL	2.5% v/v	B					
5 SEQUENCE 5.25 EW	2200 g ae/ha	B					
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
6 AMSOL	2.5% v/v	A	63b	73a	63a	82a	77a
6 BOUNDARY 6.5 EC	1640 g ai/ha	A					
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
62,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
6 NIS	0.25% v/v	A					
6 AMSOL	2.5% v/v	B					
6 SEQUENCE 5.25 EW	2200 g ae/ha	B					
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
7 AMSOL	2.5% v/v	A	70ab	63a	85a	93a	89a
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A					
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
72,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
7 NIS	0.25% v/v	A					
7 AMSOL	2.5% v/v	B					
7 SEQUENCE 5.25 EW	2200 g ae/ha	B					
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B					

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed	16, W, Weed
Pest Code	TAROF	SETFA	AMBTR	AMBEL	ERICA
Pest Scientific Name	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>	Erigeron canade>
Pest Name	dandelion	Giant foxtail	Giant ragweed	Common ragweed	mare's-tail
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-7-2022
SE Group No.	9	10	11	12	13
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-8-2022
Rating Timing					B0
Days After First/Last Applic.	35, 35	35, 35	35, 35	35, 35	40, 40
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	-1 DA-B
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	40 DP-1
Days After Emergence	17 DE-1	17 DE-1	17 DE-1	17 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate	Appl Code	9*	10*	11*	12*	13*
8AMSOL	2.5% v/v	A	87 ab	67 a	70 a	82 a	95 a
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A					
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A					
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A					
8NIS	0.25% v/v	A					
8AMSOL	2.5% v/v	B					
8SEQUENCE 5.25 EW	2200g ae/ha	B					
8ENLIST ONE 3.8 SL	1060g ae/ha	B					
9ENLIST ONE 3.8 SL	530g ae/ha	A	72 ab	63 a	72 a	87 a	92 a
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A					
9FIERCE EZ 3.04 SC	160g ai/ha	A					
9NIS	0.25% v/v	A					
9ENLIST ONE 3.8 SL	530g ae/ha	B					
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B					
9PERPETUO	121g ai/ha	B					
9SELECT MAX 0.97 EC	76.4g ai/ha	B					
9AMSOL	2.5% v/v	B					
9NIS	0.25% v/v	B					

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed	16, W, Weed		
Pest Code	TAROF	SETFA	AMBTR	AMBEL	ERICA		
Pest Scientific Name	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>	Erigeron canade>		
Pest Name	dandelion	Giant foxtail	Giant ragweed	Common ragweed	mare's-tail		
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA		
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY		
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max		
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-7-2022		
SE Group No.	9	10	11	12	13		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-2-2022	Jun-8-2022		
Rating Timing					B0		
Days After First/Last Applic.	35, 35	35, 35	35, 35	35, 35	40, 40		
Trt-Eval Interval	35 DA-A	35 DA-A	35 DA-A	35 DA-A	-1 DA-B		
Plant-Eval Interval	35 DP-1	35 DP-1	35 DP-1	35 DP-1	40 DP-1		
Days After Emergence	17 DE-1	17 DE-1	17 DE-1	17 DE-1	22 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment							
No. Name	Rate Unit	Appl Code	9*	10*	11*	12*	13*
10ENLIST ONE 3.8 SL	530 g ae/ha A		86 ab	88 a	85 a	100 a	85 a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha A						
10FIRSTRATE 84 WG	35.3 g ai/ha A						
10FIERCE EZ 3.04 SC	160 g ai/ha A						
10NIS	0.25 % v/v A						
10ENLIST ONE 3.8 SL	530 g ae/ha B						
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha B						
10PERPETUO	121 g ai/ha B						
10SELECT MAX 0.97 EC	76.4 g ai/ha B						
10AMSOL	2.5 % v/v B						
10NIS	0.25 % v/v B						
LSD P=.05			20.4	17.9	16.2	29.5	23.4
Standard Deviation			11.6	10.4	9.4	17.0	13.6
CV			17.54	15.62	13.95	22.52	16.89
Grand Mean			66.3	66.7	67.7	75.4	80.8
Levene's F^			0.359	0.785	0.57	1.371	0.472
Levene's Prob(F)			0.939	0.633	0.805	0.275	0.877
Rank X2		
P(Rank X2)		
Skewness^			0.3612	-0.1477	-0.1483	-0.0338	-0.1908
Kurtosis^			-0.9383	0.6157	0.0831	-0.5539	0.2048
Replicate F			2.693	1.068	0.262	0.590	0.108
Replicate Prob(F)			0.1024	0.3644	0.7724	0.5668	0.8980
Treatment F			15.101	17.045	21.688	8.380	13.617
Treatment Prob(F)			0.0001	0.0001	0.0001	0.0002	0.0001

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	1, W, Weed	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed		
Pest Code	STEME	TAROF	SETFA	AMBTR	AMBEL		
Pest Scientific Name	Stellaria media	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>		
Pest Name	chickweed	dandelion	Giant foxtail	Giant ragweed	Common ragweed		
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA		
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY		
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max		
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean		
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022		
SE Group No.	14	15	16	17	18		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1	1		
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022		
Rating Timing	B0	B0	B0	B0	B0		
Days After First/Last Applic.	40, 40	40, 40	40, 40	40, 40	40, 40		
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B		
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1		
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1		
ARM Action Codes							
Number of Decimals	0	0	0	0	0		
Trt Treatment							
No. Name	Rate Unit	Appl Code	14*	15*	16*	17*	18*
1 CHECK		B	0b	0c	0b	0c	0b
2 TENDOVO HERBICIDE	2440g ai/ha	A	87a	67ab	68a	73ab	80ab
2 GRAMOXONE SL 3.0	840g ai/ha	A					
2 NIS	0.25% v/v	A					
2 AMSOL	2.5% v/v	B					
2 SEQUENCE 5.25 EW	2200g ae/ha	B					
2 ENLIST ONE 3.8 SL	1060g ae/ha	B					

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	1, W, Weed	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed
Pest Code	STEME	TAROF	SETFA	AMBTR	AMBEL
Pest Scientific Name	Stellaria media	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>
Pest Name	chickweed	dandelion	Giant foxtail	Giant ragweed	Common ragweed
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	14	15	16	17	18
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing	B0	B0	B0	B0	B0
Days After First/Last Applic.	40, 40	40, 40	40, 40	40, 40	40, 40
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	14*	15*	16*	17*	18*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	93 a	60 b	78 a	63 ab	68 ab
3 GRAMOXONE SL 3.0	840 g ai/ha	A					
32,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
3 NIS	0.25 % v/v	A					
3 AMSOL	2.5 % v/v	B					
3 SEQUENCE 5.25 EW	2200 g ae/ha	B					
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
4 AMSOL	2.5 % v/v	A	87 a	80 ab	77 a	53 b	55 ab
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A					
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
4 MSO	1 % v/v	A					
4 AMSOL	2.5 % v/v	B					
4 SEQUENCE 5.25 EW	2200 g ae/ha	B					
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
5 AMSOL	2.5 % v/v	A	83 a	102 a	80 a	87 a	100 a
5 TENDOVO HERBICIDE	2440 g ai/ha	A					
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
52,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
5 NIS	0.25 % v/v	A					
5 AMSOL	2.5 % v/v	B					
5 SEQUENCE 5.25 EW	2200 g ae/ha	B					
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
6 AMSOL	2.5 % v/v	A	87 a	60 b	70 a	60 ab	58 ab
6 BOUNDARY 6.5 EC	1640 g ai/ha	A					
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
62,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
6 NIS	0.25 % v/v	A					
6 AMSOL	2.5 % v/v	B					
6 SEQUENCE 5.25 EW	2200 g ae/ha	B					
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B					
7 AMSOL	2.5 % v/v	A	82 a	82 ab	60 a	77 ab	85 ab
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A					
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
72,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A					
7 NIS	0.25 % v/v	A					
7 AMSOL	2.5 % v/v	B					
7 SEQUENCE 5.25 EW	2200 g ae/ha	B					
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B					

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	1, W, Weed	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed
Pest Code	STEME	TAROF	SETFA	AMBTR	AMBEL
Pest Scientific Name	Stellaria media	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>
Pest Name	chickweed	dandelion	Giant foxtail	Giant ragweed	Common ragweed
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	14	15	16	17	18
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing	B0	B0	B0	B0	B0
Days After First/Last Applic.	40, 40	40, 40	40, 40	40, 40	40, 40
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	14*	15*	16*	17*	18*
8AMSOL	2.5% v/v	A	85 a	87 ab	62 a	57 b	80 ab
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A					
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A					
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A					
8NIS	0.25% v/v	A					
8AMSOL	2.5% v/v	B					
8SEQUENCE 5.25 EW	2200g ae/ha	B					
8ENLIST ONE 3.8 SL	1060g ae/ha	B					
9ENLIST ONE 3.8 SL	530g ae/ha	A	70 a	65 ab	57 a	63 ab	
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A					
9FIERCE EZ 3.04 SC	160g ai/ha	A					
9NIS	0.25% v/v	A					
9ENLIST ONE 3.8 SL	530g ae/ha	B					
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B					
9PERPETUO	121g ai/ha	B					
9SELECT MAX 0.97 EC	76.4g ai/ha	B					
9AMSOL	2.5% v/v	B					
9NIS	0.25% v/v	B					

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	1, W, Weed	6, W, Weed	10, W, Weed	8, W, Weed	9, W, Weed
Pest Code	STEME	TAROF	SETFA	AMBTR	AMBEL
Pest Scientific Name	Stellaria media	Taraxacum offic>	Setaria faberi	Ambrosia trifida	Ambrosia artemi>
Pest Name	chickweed	dandelion	Giant foxtail	Giant ragweed	Common ragweed
Crop ID Code	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA	1, GLXMA
BBCH Scale	BSOY	BSOY	BSOY	BSOY	BSOY
Crop Scientific Name	Glycine max	Glycine max	Glycine max	Glycine max	Glycine max
Crop Name	Soybean	Soybean	Soybean	Soybean	Soybean
Crop Variety	P35T15E	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022	Jun-7-2022
SE Group No.	14	15	16	17	18
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1	1
Data Entry Date	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022	Jun-8-2022
Rating Timing	B0	B0	B0	B0	B0
Days After First/Last Applic.	40, 40	40, 40	40, 40	40, 40	40, 40
Trt-Eval Interval	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B	-1 DA-B
Plant-Eval Interval	40 DP-1	40 DP-1	40 DP-1	40 DP-1	40 DP-1
Days After Emergence	22 DE-1	22 DE-1	22 DE-1	22 DE-1	22 DE-1
ARM Action Codes					
Number of Decimals	0	0	0	0	0

Trt Treatment	Rate	Appl	14*	15*	16*	17*	18*
No. Name	Rate Unit	Code					
10ENLIST ONE 3.8 SL	530 g ae/ha	A	72 a	83 ab	78 a	75 ab	98 a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A					
10FIRSTRATE 84 WG	35.3 g ai/ha	A					
10FIERCE EZ 3.04 SC	160 g ai/ha	A					
10NIS	0.25 % v/v	A					
10ENLIST ONE 3.8 SL	530 g ae/ha	B					
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B					
10PERPETUO	121 g ai/ha	B					
10SELECT MAX 0.97 EC	76.4 g ai/ha	B					
10AMSOL	2.5 % v/v	B					
10NIS	0.25 % v/v	B					
LSD P=.05			29.4	23.2	15.0	17.2	37.1
Standard Deviation			17.1	13.3	8.8	10.1	18.6
CV			22.98	19.89	13.9	16.53	27.92
Grand Mean			74.5	67.0	63.0	60.8	66.5
Levene's F^			0.183	0.642	0.778	0.541	302.177
Levene's Prob(F)			0.994	0.747	0.639	0.828	0.00*
Rank X2			.	.	.	.	.
P(Rank X2)			.	.	.	.	.
Skewness^			0.0405	-0.0774	0.7597	0.5165	0.0
Kurtosis^			-1.1113	-0.0015	1.2854	0.2481	0.3489
Replicate F			2.286	0.561	0.130	0.231	0.048
Replicate Prob(F)			0.1305	0.5824	0.8785	0.7962	0.9531
Treatment F			7.524	11.776	21.928	16.690	7.072
Treatment Prob(F)			0.0002	0.0001	0.0001	0.0001	0.0141

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	14, W, Weed	8, W, Weed
Pest Code	SETFA	ECHCG	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant foxtail	common barnyard>	Giant ragweed
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	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jun-22-2022
SE Group No.	24	25	21
SE Name	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jun-23-2022
Rating Timing			
Days After First/Last Applic.	55, 14	55, 14	55, 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	19*	20*	21*	22*
1 CHECK		B	0d	0-	0-	0b
2 TENDOVO HERBICIDE	2440g ai/ha	A	3bc	100-	100-	100a
2 GRAMOXONE SL 3.0	840g ai/ha	A				
2 NIS	0.25% v/v	A				
2 AMSOL	2.5% v/v	B				
2 SEQUENCE 5.25 EW	2200g ae/ha	B				
2 ENLIST ONE 3.8 SL	1060g ae/ha	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	14, W, Weed	8, W, Weed
Pest Code	SETFA	ECHCG	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant foxtail	common barnyard>	Giant ragweed
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	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jun-22-2022
SE Group No.	24	25	21
SE Name	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jun-23-2022
Rating Timing			
Days After First/Last Applic.	55, 14	55, 14	55, 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	19*	20*	21*	22*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	2bc	100-	100-	100a
3 GRAMOXONE SL 3.0	840 g ai/ha	A				
3 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
3 NIS	0.25 % v/v	A				
3 AMSOL	2.5 % v/v	B				
3 SEQUENCE 5.25 EW	2200 g ae/ha	B				
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
4 AMSOL	2.5 % v/v	A	3bc	100-	100-	100a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A				
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
4 MSO	1 % v/v	A				
4 AMSOL	2.5 % v/v	B				
4 SEQUENCE 5.25 EW	2200 g ae/ha	B				
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
5 AMSOL	2.5 % v/v	A	3bc	100-	100-	99a
5 TENDOVO HERBICIDE	2440 g ai/ha	A				
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
5 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
5 NIS	0.25 % v/v	A				
5 AMSOL	2.5 % v/v	B				
5 SEQUENCE 5.25 EW	2200 g ae/ha	B				
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
6 AMSOL	2.5 % v/v	A	3bc	100-	100-	100a
6 BOUNDARY 6.5 EC	1640 g ai/ha	A				
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
6 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
6 NIS	0.25 % v/v	A				
6 AMSOL	2.5 % v/v	B				
6 SEQUENCE 5.25 EW	2200 g ae/ha	B				
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
7 AMSOL	2.5 % v/v	A	2c	100-	100-	100a
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A				
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
7 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
7 NIS	0.25 % v/v	A				
7 AMSOL	2.5 % v/v	B				
7 SEQUENCE 5.25 EW	2200 g ae/ha	B				
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B				

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	14, W, Weed	8, W, Weed
Pest Code	SETFA	ECHCG	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant foxtail	common barnyard>	Giant ragweed
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	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jun-22-2022
SE Group No.	24	25	21
SE Name	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jun-23-2022
Rating Timing			
Days After First/Last Applic.	55, 14	55, 14	55, 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	19*	20*	21*	22*
8AMSOL	2.5% v/v	A	3 abc	100-	100-	100a
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A				
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A				
8NIS	0.25% v/v	A				
8AMSOL	2.5% v/v	B				
8SEQUENCE 5.25 EW	2200g ae/ha	B				
8ENLIST ONE 3.8 SL	1060g ae/ha	B				
9ENLIST ONE 3.8 SL	530g ae/ha	A	5 a	100-	100-	100a
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
9FIERCE EZ 3.04 SC	160g ai/ha	A				
9NIS	0.25% v/v	A				
9ENLIST ONE 3.8 SL	530g ae/ha	B				
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
9PERPETUO	121g ai/ha	B				
9SELECT MAX 0.97 EC	76.4g ai/ha	B				
9AMSOL	2.5% v/v	B				
9NIS	0.25% v/v	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	10, W, Weed	14, W, Weed	8, W, Weed
Pest Code	SETFA	ECHCG	AMBTR
Pest Scientific Name	Setaria faberi	Echinochloa cru>	Ambrosia trifida
Pest Name	Giant foxtail	common barnyard>	Giant ragweed
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	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jun-22-2022
SE Group No.	24	25	20
SE Name	ZUSX001	ZUSW001	ZUSW001
SE Description	%PHYTO-GENERAL	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -
Rating Type	PHYNEC	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jun-23-2022
Rating Timing			
Days After First/Last Applic.	55, 14	55, 14	55, 14
Trt-Eval Interval	14 DA-B	14 DA-B	14 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	55 DP-1
Days After Emergence	37 DE-1	37 DE-1	37 DE-1
ARM Action Codes			
Number of Decimals	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	19*	20*	21*	22*
10ENLIST ONE 3.8 SL	530 g ae/ha A		4 ab	100-	100-	100a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha A					
10FIRSTRATE 84 WG	35.3 g ai/ha A					
10FIERCE EZ 3.04 SC	160 g ai/ha A					
10NIS	0.25 % v/v A					
10ENLIST ONE 3.8 SL	530 g ae/ha B					
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha B					
10PERPETUO	121 g ai/ha B					
10SELECT MAX 0.97 EC	76.4 g ai/ha B					
10AMSOL	2.5 % v/v B					
10NIS	0.25 % v/v B					
LSD P=.05			1.4	.	.	0.6
Standard Deviation			0.8	0.0	0.0	0.4
CV			28.67	0.0	0.0	0.41
Grand Mean			2.8	90.0	90.0	89.9
Levene's F^			0.619	.	.	0.711
Levene's Prob(F)			0.767	.	.	0.693
Rank X2			.	.	.	.
P(Rank X2)			.	.	.	.
Skewness^			-0.4323	.	.	-1.9863*
Kurtosis^			2.139*	.	.	11.1307*
Replicate F			1.862	0.000	0.000	1.000
Replicate Prob(F)			0.1841	1.0000	1.0000	0.3874
Treatment F			8.759	0.000	0.000	22467.669
Treatment Prob(F)			0.0001	1.0000	1.0000	0.0001

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	9, W, Weed	11, W, Weed	10, W, Weed	14, W, Weed		
Pest Code	AMBEL	CHEAL	SETFA	ECHCG		
Pest Scientific Name	Ambrosia artemi>	Chenopodium alb>	Setaria faberi	Echinochloa cru>		
Pest Name	Common ragweed	common lambsqua>	Giant foxtail	common barnyard>		
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	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jun-22-2022	Jun-22-2022	Jul-7-2022	Jul-7-2022		
SE Group No.	22	23	34	27		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jun-23-2022	Jun-23-2022	Jul-8-2022	Jul-8-2022		
Rating Timing						
Days After First/Last Applic.	55, 14	55, 14	70, 29	70, 29		
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B	29 DA-B		
Plant-Eval Interval	55 DP-1	55 DP-1	70 DP-1	70 DP-1		
Days After Emergence	37 DE-1	37 DE-1	52 DE-1	52 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment No. Name	Rate Unit	Appl Code	23*	24*	25*	26*
1 CHECK		B	0-	0-	0b	0b
2 TENDOVO HERBICIDE	2440g ai/ha	A	100-	100-	97a	95a
2 GRAMOXONE SL 3.0	840g ai/ha	A				
2 NIS	0.25% v/v	A				
2 AMSOL	2.5% v/v	B				
2 SEQUENCE 5.25 EW	2200g ae/ha	B				
2 ENLIST ONE 3.8 SL	1060g ae/ha	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	9, W, Weed	11, W, Weed	10, W, Weed	14, W, Weed
Pest Code	AMBEL	CHEAL	SETFA	ECHCG
Pest Scientific Name	Ambrosia artemi>	Chenopodium alb>	Setaria faberi	Echinochloa cru>
Pest Name	Common ragweed	common lambsqua>	Giant foxtail	common barnyard>
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jul-7-2022	Jul-7-2022
SE Group No.	22	23	34	27
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jul-8-2022	Jul-8-2022
Rating Timing				
Days After First/Last Applic.	55, 14	55, 14	70, 29	70, 29
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B	29 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	70 DP-1	70 DP-1
Days After Emergence	37 DE-1	37 DE-1	52 DE-1	52 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	23*	24*	25*	26*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	100-	100-	96 a	96 a
3 GRAMOXONE SL 3.0	840 g ai/ha	A				
3 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
3 NIS	0.25 % v/v	A				
3 AMSOL	2.5 % v/v	B				
3 SEQUENCE 5.25 EW	2200 g ae/ha	B				
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
4 AMSOL	2.5 % v/v	A	100-	100-	94 a	94 a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A				
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
4 MSO	1 % v/v	A				
4 AMSOL	2.5 % v/v	B				
4 SEQUENCE 5.25 EW	2200 g ae/ha	B				
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
5 AMSOL	2.5 % v/v	A	100-	100-	99 a	98 a
5 TENDOVO HERBICIDE	2440 g ai/ha	A				
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
5 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
5 NIS	0.25 % v/v	A				
5 AMSOL	2.5 % v/v	B				
5 SEQUENCE 5.25 EW	2200 g ae/ha	B				
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
6 AMSOL	2.5 % v/v	A	100-	100-	99 a	98 a
6 BOUNDARY 6.5 EC	1640 g ai/ha	A				
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
6 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
6 NIS	0.25 % v/v	A				
6 AMSOL	2.5 % v/v	B				
6 SEQUENCE 5.25 EW	2200 g ae/ha	B				
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
7 AMSOL	2.5 % v/v	A	100-	100-	96 a	93 a
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A				
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
7 2,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
7 NIS	0.25 % v/v	A				
7 AMSOL	2.5 % v/v	B				
7 SEQUENCE 5.25 EW	2200 g ae/ha	B				
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B				

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	9, W, Weed	11, W, Weed	10, W, Weed	14, W, Weed
Pest Code	AMBEL	CHEAL	SETFA	ECHCG
Pest Scientific Name	Ambrosia artemi>	Chenopodium alb>	Setaria faberi	Echinochloa cru>
Pest Name	Common ragweed	common lambsqua>	Giant foxtail	common barnyard>
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jun-22-2022	Jun-22-2022	Jul-7-2022	Jul-7-2022
SE Group No.	22	23	34	27
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jun-23-2022	Jun-23-2022	Jul-8-2022	Jul-8-2022
Rating Timing				
Days After First/Last Applic.	55, 14	55, 14	70, 29	70, 29
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B	29 DA-B
Plant-Eval Interval	55 DP-1	55 DP-1	70 DP-1	70 DP-1
Days After Emergence	37 DE-1	37 DE-1	52 DE-1	52 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Unit	Appl Code	23*	24*	25*	26*
8AMSOL	2.5% v/v	A	100-	100-	95 a	93 a
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A				
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A				
8NIS	0.25% v/v	A				
8AMSOL	2.5% v/v	B				
8SEQUENCE 5.25 EW	2200g ae/ha	B				
8ENLIST ONE 3.8 SL	1060g ae/ha	B				
9ENLIST ONE 3.8 SL	530g ae/ha	A	100-	100-	94 a	92 a
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
9FIERCE EZ 3.04 SC	160g ai/ha	A				
9NIS	0.25% v/v	A				
9ENLIST ONE 3.8 SL	530g ae/ha	B				
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
9PERPETUO	121g ai/ha	B				
9SELECT MAX 0.97 EC	76.4g ai/ha	B				
9AMSOL	2.5% v/v	B				
9NIS	0.25% v/v	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	9, W, Weed	11, W, Weed	10, W, Weed	14, W, Weed		
Pest Code	AMBEL	CHEAL	SETFA	ECHCG		
Pest Scientific Name	Ambrosia artemi>	Chenopodium alb>	Setaria faberi	Echinochloa cru>		
Pest Name	Common ragweed	common lambsqua>	Giant foxtail	common barnyard>		
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	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jun-22-2022	Jun-22-2022	Jul-7-2022	Jul-7-2022		
SE Group No.	22	23	34	27		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jun-23-2022	Jun-23-2022	Jul-8-2022	Jul-8-2022		
Rating Timing						
Days After First/Last Applic.	55, 14	55, 14	70, 29	70, 29		
Trt-Eval Interval	14 DA-B	14 DA-B	29 DA-B	29 DA-B		
Plant-Eval Interval	55 DP-1	55 DP-1	70 DP-1	70 DP-1		
Days After Emergence	37 DE-1	37 DE-1	52 DE-1	52 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment						
No. Name	Rate Unit	Appl Code	23*	24*	25*	26*
10ENLIST ONE 3.8 SL	530 g ae/ha A		100-	100-	99a	99a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha A					
10FIRSTRATE 84 WG	35.3 g ai/ha A					
10FIERCE EZ 3.04 SC	160 g ai/ha A					
10NIS	0.25 % v/v A					
10ENLIST ONE 3.8 SL	530 g ae/ha B					
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha B					
10PERPETUO	121 g ai/ha B					
10SELECT MAX 0.97 EC	76.4 g ai/ha B					
10AMSOL	2.5 % v/v B					
10NIS	0.25 % v/v B					
LSD P=.05	.	.	7.0	9.0		
Standard Deviation	0.0	0.0	4.1	5.2		
CV	0.0	0.0	4.67	6.1		
Grand Mean	90.0	90.0	86.9	85.7		
Levene's F^	.	.	0.487	0.522		
Levene's Prob(F)	.	.	0.866	0.841		
Rank X2		
P(Rank X2)		
Skewness^	.	.	-0.7099	-0.6211		
Kurtosis^	.	.	0.0712	-0.5384		
Replicate F	0.000	0.000	1.442	0.396		
Replicate Prob(F)	1.0000	1.0000	0.2626	0.6787		
Treatment F	0.000	0.000	170.737	100.200		
Treatment Prob(F)	1.0000	1.0000	0.0001	0.0001		

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

	8, W, Weed	9, W, Weed	13, W, Weed	12, W, Weed		
Pest ID Code	AMBTR	AMBEL	POLPY	SIDSP		
Pest Code	AMBTR	AMBEL	POLPY	SIDSP		
Pest Scientific Name	Ambrosia trifida	Ambrosia artemi>	Persicaria pens>	Sida spinosa		
Pest Name	Giant ragweed	Common ragweed	annual smartweed	Prickly sida		
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	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jul-7-2022	Jul-7-2022	Jul-7-2022	Jul-7-2022		
SE Group No.	28	29	33	35		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-8-2022	Jul-8-2022	Jul-8-2022	Jul-8-2022		
Rating Timing						
Days After First/Last Applic.	70, 29	70, 29	70, 29	70, 29		
Trt-Eval Interval	29 DA-B	29 DA-B	29 DA-B	29 DA-B		
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1		
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment						
No. Name	Rate Unit	Appl Code	27*	28*	29*	30*
1 CHECK		B	0c	0b	0b	0b
2 TENDOVO HERBICIDE	2440g ai/ha	A	97 ab	100 a	95 a	92 a
2 GRAMOXONE SL 3.0	840g ai/ha	A				
2 NIS	0.25% v/v	A				
2 AMSOL	2.5% v/v	B				
2 SEQUENCE 5.25 EW	2200g ae/ha	B				
2 ENLIST ONE 3.8 SL	1060g ae/ha	B				

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	8, W, Weed	9, W, Weed	13, W, Weed	12, W, Weed
Pest Code	AMBTR	AMBEL	POLPY	SIDSP
Pest Scientific Name	Ambrosia trifida	Ambrosia artemi>	Persicaria pens>	Sida spinosa
Pest Name	Giant ragweed	Common ragweed	annual smartweed	Prickly sida
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jul-7-2022	Jul-7-2022	Jul-7-2022	Jul-7-2022
SE Group No.	28	29	33	35
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-8-2022	Jul-8-2022	Jul-8-2022	Jul-8-2022
Rating Timing				
Days After First/Last Applic.	70, 29	70, 29	70, 29	70, 29
Trt-Eval Interval	29 DA-B	29 DA-B	29 DA-B	29 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	27*	28*	29*	30*
3 TENDOVO HERBICIDE	2440 g ai/ha	A	100 a	100 a	95 a	95 a
3 GRAMOXONE SL 3.0	840 g ai/ha	A				
32,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
3 NIS	0.25 % v/v	A				
3 AMSOL	2.5 % v/v	B				
3 SEQUENCE 5.25 EW	2200 g ae/ha	B				
3 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
4 AMSOL	2.5 % v/v	A	97 ab	100 a	100 a	100 a
4 ZIDUA PRO 4.09 SC	215 g ai/ha	A				
4 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
4 MSO	1 % v/v	A				
4 AMSOL	2.5 % v/v	B				
4 SEQUENCE 5.25 EW	2200 g ae/ha	B				
4 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
5 AMSOL	2.5 % v/v	A	97 ab	100 a	100 a	95 a
5 TENDOVO HERBICIDE	2440 g ai/ha	A				
5 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
52,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
5 NIS	0.25 % v/v	A				
5 AMSOL	2.5 % v/v	B				
5 SEQUENCE 5.25 EW	2200 g ae/ha	B				
5 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
6 AMSOL	2.5 % v/v	A	85 ab	95 a	97 a	87 a
6 BOUNDARY 6.5 EC	1640 g ai/ha	A				
6 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
62,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
6 NIS	0.25 % v/v	A				
6 AMSOL	2.5 % v/v	B				
6 SEQUENCE 5.25 EW	2200 g ae/ha	B				
6 ENLIST ONE 3.8 SL	1060 g ae/ha	B				
7 AMSOL	2.5 % v/v	A	89 ab	99 a	100 a	88 a
7 AUTHORITY FIRST 70 DF	245 g ai/ha	A				
7 ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
72,4-D ESTER 3.8 EC (AE)	533 g ae/ha	A				
7 NIS	0.25 % v/v	A				
7 AMSOL	2.5 % v/v	B				
7 SEQUENCE 5.25 EW	2200 g ae/ha	B				
7 ENLIST ONE 3.8 SL	1060 g ae/ha	B				

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Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

	8, W, Weed	9, W, Weed	13, W, Weed	12, W, Weed
Pest ID Code	AMBTR	AMBEL	POLPY	SIDSP
Pest Code	AMBTR	AMBEL	POLPY	SIDSP
Pest Scientific Name	Ambrosia trifida	Ambrosia artemi>	Persicaria pens>	Sida spinosa
Pest Name	Giant ragweed	Common ragweed	annual smartweed	Prickly sida
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	P35T15E	P35T15E	P35T15E	P35T15E
Rating Date	Jul-7-2022	Jul-7-2022	Jul-7-2022	Jul-7-2022
SE Group No.	28	29	33	35
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001
SE Description	%Control	%Control	%Control	%Control
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Calculation	NC	NC	NC	NC
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	1	1	1
Data Entry Date	Jul-8-2022	Jul-8-2022	Jul-8-2022	Jul-8-2022
Rating Timing				
Days After First/Last Applic.	70, 29	70, 29	70, 29	70, 29
Trt-Eval Interval	29 DA-B	29 DA-B	29 DA-B	29 DA-B
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	0

Trt Treatment No. Name	Rate Rate Unit	Appl Code	27*	28*	29*	30*
8AMSOL	2.5% v/v	A	90 ab	100 a	93 a	91 a
8AUTHORITY SUPREME HERBICIDE	290g ai/ha	A				
8ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
82,4-D ESTER 3.8 EC (AE)	533g ae/ha	A				
8NIS	0.25% v/v	A				
8AMSOL	2.5% v/v	B				
8SEQUENCE 5.25 EW	2200g ae/ha	B				
8ENLIST ONE 3.8 SL	1060g ae/ha	B				
9ENLIST ONE 3.8 SL	530g ae/ha	A	88 ab	97 a	100 a	95 a
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	A				
9FIERCE EZ 3.04 SC	160g ai/ha	A				
9NIS	0.25% v/v	A				
9ENLIST ONE 3.8 SL	530g ae/ha	B				
9ROUNDUP POWERMAX 3 HERBICIDE	1050g ae/ha	B				
9PERPETUO	121g ai/ha	B				
9SELECT MAX 0.97 EC	76.4g ai/ha	B				
9AMSOL	2.5% v/v	B				
9NIS	0.25% v/v	B				

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Pest ID Code	8, W, Weed	9, W, Weed	13, W, Weed	12, W, Weed		
Pest Code	AMBTR	AMBEL	POLPY	SIDSP		
Pest Scientific Name	Ambrosia trifida	Ambrosia artemi>	Persicaria pens>	Sida spinosa		
Pest Name	Giant ragweed	Common ragweed	annual smartweed	Prickly sida		
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	P35T15E	P35T15E	P35T15E	P35T15E		
Rating Date	Jul-7-2022	Jul-7-2022	Jul-7-2022	Jul-7-2022		
SE Group No.	28	29	33	35		
SE Name	ZUSW001	ZUSW001	ZUSW001	ZUSW001		
SE Description	%Control	%Control	%Control	%Control		
Part Rated	PLANT, -	PLANT, -	PLANT, -	PLANT, -		
Rating Type	CONTRO	CONTRO	CONTRO	CONTRO		
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100		
Calculation	NC	NC	NC	NC		
Sample Size	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Reporting Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT		
Number of Subsamples	1	1	1	1		
Data Entry Date	Jul-8-2022	Jul-8-2022	Jul-8-2022	Jul-8-2022		
Rating Timing						
Days After First/Last Applic.	70, 29	70, 29	70, 29	70, 29		
Trt-Eval Interval	29 DA-B	29 DA-B	29 DA-B	29 DA-B		
Plant-Eval Interval	70 DP-1	70 DP-1	70 DP-1	70 DP-1		
Days After Emergence	52 DE-1	52 DE-1	52 DE-1	52 DE-1		
ARM Action Codes						
Number of Decimals	0	0	0	0		
Trt Treatment	Rate	Appl	27*	28*	29*	30*
No. Name	Unit	Code				
10ENLIST ONE 3.8 SL	530 g ae/ha	A	82b	100a	100a	95a
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	A				
10FIRSTRATE 84 WG	35.3 g ai/ha	A				
10FIERCE EZ 3.04 SC	160 g ai/ha	A				
10NIS	0.25 % v/v	A				
10ENLIST ONE 3.8 SL	530 g ae/ha	B				
10ROUNDUP POWERMAX 3 HERBICIDE	1050 g ae/ha	B				
10PERPETUO	121 g ai/ha	B				
10SELECT MAX 0.97 EC	76.4 g ai/ha	B				
10AMSOL	2.5 % v/v	B				
10NIS	0.25 % v/v	B				
LSD P=.05	10.2	5.8	8.6	13.9		
Standard Deviation	5.9	3.4	5.0	8.1		
CV	7.18	3.8	5.67	9.69		
Grand Mean	82.4	89.1	88.0	83.8		
Levene's F^	0.656	0.891	0.884	0.683		
Levene's Prob(F)	0.737	0.55	0.556	0.716		
Rank X2		
P(Rank X2)		
Skewness^	0.4362	-1.564*	-0.7932	-0.1167		
Kurtosis^	0.6112	5.6132*	1.0277	-0.4521		
Replicate F	0.231	0.498	0.703	0.494		
Replicate Prob(F)	0.7959	0.6157	0.5084	0.6184		
Treatment F	74.677	257.805	115.970	40.075		
Treatment Prob(F)	0.0001	0.0001	0.0001	0.0001		

The Ohio State University

Tendovo in No-till Enlist soybean - Sales Support - 2022 US

Trial ID: USNK0H4052022 Official Trial ID: Cooperator Trial ID:
 Protocol ID: HAISSUP4-2022US Location: Bruns Dain FS Trial Year: 2022
 Master Protocol ID:
 Study Director: Sponsor Contact: Gordon Vail
 Investigator (Creator): Dain Bruns Trial Origin: P public institution trial Conducted Under GEP: No

Crop ID Code

1, GLXMA, BSOY, Glycine max, Soybean, P35T15E = 2,4-D Choline, Glyphosate, Glufosinate Tol

Part Rated

PLANT = plant

Rating Type

CONTRO = control / burndown or knockdown

PHYNEC = phytotoxicity - necrosis /burn

Rating Unit/Min/Max

%, 0, 100 = percent

Calculation

NC = no calculation

PLOT = total plot

PLOT = total plot

PLOT = total plot

Rating Timing

B0 = Before 2nd Application

Plant-Eval Interval

12 DP-1 = 1 GLXMA Apr-28-2022

35 DP-1 = 1 GLXMA Apr-28-2022

40 DP-1 = 1 GLXMA Apr-28-2022

55 DP-1 = 1 GLXMA Apr-28-2022

70 DP-1 = 1 GLXMA Apr-28-2022