Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

General Trial Information

Study Director: Dr. Bill Johnson **Title:** Professor
Investigator: Dr. Bill Johnson **Title:** Professor

Discipline: H herbicide
Status: E established
ARM Trial Created On: Apr-4-2022
Initiation Date: May-25-2022

Trial Location

City: Lafayette **Country:** USA United States
State/Prov.: Indiana
Postal Code: 47907

Latitude of LL Corner °: 40.29177 N
Longitude of LL Corner °: -86.90665 W

Conducted Under GLP: No
Conducted Under GEP: No

Contacts

Role: STYDIR study director
Study Director: Dr. Bill Johnson **Title:** Professor
Organization: Purdue University
Address 1: 915 W. State Street
Country: USA United States **E-mail:** wgj@purdue.edu
State/Prov: IN **Postal Code:** 47907

Role: INVEST investigator
Investigator: Dr. Bill Johnson **Title:** Professor
Organization: Purdue University
Address 1: 915 W. State Street
Country: USA United States **E-mail:** wgj@purdue.edu
City: West Lafayette **State/Prov:** IN **Postal Code:** 47907

Role: SPONSR sponsor
Sponsor: Steve Mroczkiewicz - Syngenta

Role: COOPER cooperator
Cooperator: Jay Young **Title:** Superintendent
Organization: Purdue University
Address 1: 8343 US 231 S **Phone No.:** 765-538-3422
Fax No.: 765-538-3423
Country: USA United States **E-mail:** jayyoung@purdue.edu
City: Lafayette **State/Prov:** IN **Postal Code:** 47909

Crop Description

Crop 1: C GLXMA Glycine max Soybean **BBCH Scale:** BSOY
Entry Date: Jun-21-2022 **Stage Scale:** BBCH
Variety: Stine 30EB32
Attributes: Glyphosate-R, Glufosinate-R, 2,4-D-R
Planting Date: May-15-2022 **Planting Rate:** 140000 S/A
Depth: 1.75 IN
Rows per Plot: 7 **Planting Method:** PLANTD planted
Row Spacing: 15 IN **Planting Equipment:** PP plot planter
Soil Temperature: 71 F **Soil Moisture:** SLIWET slightly wet, moist
Emergence Date: Jun-1-2022
Harvested Width: 10 FT
% Standard Moisture: 13.0 **Harvested Length:** 27 FT

Pest Description

Pest 1 Type: W **Code:** AMBTR Ambrosia trifida **Entry Date:** Jun-21-2022
Common Name: Giant ragweed **Stage Scale:** BBCH
Attributes: ALS-R

Pest 2 Type: W **Code:** CHEAL Chenopodium album **Entry Date:** Jun-21-2022
Common Name: common lambsquarters **Stage Scale:** BBCH

Site and Design

Treated Plot Width: 10 FT **Site Type:** FIELD field
Treated Plot Length: 30 FT **Experimental Unit:** 1 PLOT plot
Treated Plot Area: 300.0 FT2 **Tillage Type:** CONTIL conventional-till
Replications: 4 **Treatments:** 9 **Plots:** 36 **Study Design:** RACOBL Randomized Complete Block (RCB)

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Soil Description

Description Name: TPAC - Field 4BE
% Sand: 21 **% OM:** 3.4 **Texture:** SIL silt loam
% Silt: 54 **Soil Name:** Toronto-Millbrook complex
% Clay: 25 **Fert. Level:** G good
pH: 5.8 **CEC:** 13.5

Weather Conditions

Overall Moisture Conditions: WEDRDR wet-dry-dry
Weather Station Name: TPAC **Distance:** 0.5 MI

No.	Date	Moisture Total	Unit	Min Temp	Max Temp	Temp Unit
1.	May-1-2022	0	IN	51.1	63.7	F
2.	May-2-2022	0	IN	43.2	66	F
3.	May-3-2022	0.71	IN	46	67.8	F
4.	May-4-2022	0	IN	46	61.5	F
5.	May-5-2022	0.66	IN	53.6	56.7	F
6.	May-6-2022	0.07	IN	51.8	57.2	F
7.	May-7-2022	0	IN	48.7	68.2	F
8.	May-8-2022	0	IN	44.6	68.7	F
9.	May-9-2022	0	IN	52.9	81	F
10.	May-10-2022	0	IN	66.6	88.9	F
11.	May-11-2022	0	IN	73	92.3	F
12.	May-12-2022	0	IN	67.8	90	F
13.	May-13-2022	0	IN	61.9	89.6	F
14.	May-14-2022	0.74	IN	59.7	88.2	F
15.	May-15-2022	1.02	IN	57	86.2	F
16.	May-16-2022	0.01	IN	52.7	76.8	F
17.	May-17-2022	0	IN	53.4	77.7	F
18.	May-18-2022	0.1	IN	57.9	66.9	F
19.	May-19-2022	0	IN	59.7	82.2	F
20.	May-20-2022	0	IN	66.4	86.9	F
21.	May-21-2022	0.1	IN	58.3	77.7	F
22.	May-22-2022	0	IN	53.2	64.6	F
23.	May-23-2022	0	IN	48.4	68.7	F
24.	May-24-2022	0	IN	50.2	75.6	F
25.	May-25-2022	0.05	IN	61.7	85.6	F
26.	May-26-2022	1.68	IN	60.8	75.4	F
27.	May-27-2022	0.03	IN	53.4	67.8	F
28.	May-28-2022	0	IN	51.6	73.2	F
29.	May-29-2022	0	IN	59.5	82.9	F
30.	May-30-2022	0	IN	67.1	88.5	F
31.	May-31-2022	0	IN	71.6	89.4	F
32.	Jun-1-2022	0	IN	66	81	F
33.	Jun-2-2022	0.01	IN	61.3	79.9	F
34.	Jun-3-2022	0	IN	54.1	84.2	F
35.	Jun-4-2022	0	IN	51.4	84.2	F
36.	Jun-5-2022	0	IN	56.8	85.3	F
37.	Jun-6-2022	0	IN	64	85.8	F
38.	Jun-7-2022	0	IN	62.2	77.9	F
39.	Jun-8-2022	0.02	IN	55.2	77.5	F
40.	Jun-9-2022	0	IN	56.7	78.8	F
41.	Jun-10-2022	0.1	IN	54	79.7	F
42.	Jun-11-2022	0.23	IN	58.5	79.7	F

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43.	Jun-12-2022	0.02	IN	65.8	84	F
44.	Jun-13-2022	0	IN	68.7	91	F
45.	Jun-14-2022	0	IN	74.8	95.5	F
46.	Jun-15-2022	0	IN	75	94.6	F
47.	Jun-16-2022	0	IN	76.6	97.3	F
48.	Jun-17-2022	0	IN	69.1	88.2	F
49.	Jun-18-2022	0	IN	60.8	82.2	F
50.	Jun-19-2022	0	IN	52.2	83.8	F
51.	Jun-20-2022	0	IN	57.4	90.1	F
52.	Jun-21-2022	0	IN	63.9	96.3	F
53.	Jun-22-2022	0	IN	72	90.3	F
54.	Jun-23-2022	0	IN	62.4	89.1	F
55.	Jun-24-2022	0	IN	59	93	F
56.	Jun-25-2022	0.01	IN	63.9	82.6	F
57.	Jun-26-2022	0.22	IN	64.2	81.5	F
58.	Jun-27-2022	0	IN	54.7	79.3	F
59.	Jun-28-2022	0	IN	55.2	82.9	F
60.	Jun-29-2022	0	IN	57.6	87.3	F
61.	Jun-30-2022	0	IN	61	90.5	F
62.	Jul-1-2022	0	IN	68.5	90.7	F
63.	Jul-2-2022	0	IN	66.6	86.4	F
64.	Jul-3-2022	0	IN	57.6	89.8	F
65.	Jul-4-2022	0.01	IN	64.6	91.4	F
66.	Jul-5-2022	0	IN	77.2	98.2	F
67.	Jul-6-2022	0	IN	74.3	90	F
68.	Jul-7-2022	0.05	IN	70.3	84.7	F
69.	Jul-8-2022	0.23	IN	70	76.3	F
70.	Jul-9-2022	0	IN	67.5	84.6	F
71.	Jul-10-2022	0	IN	57.9	90.7	F
72.	Jul-11-2022	0	IN	59.5	88	F
73.	Jul-12-2022	0	IN	67.6	83.8	F
74.	Jul-13-2022	0	IN	62.8	86.5	F
75.	Jul-14-2022	0	IN	57.4	84.9	F
76.	Jul-15-2022	0.1	IN	58.1	77.4	F
77.	Jul-16-2022	0.49	IN	69.6	89.4	F
78.	Jul-17-2022	0.47	IN	68.9	76.3	F
79.	Jul-18-2022	0	IN	68.9	87.6	F
80.	Jul-19-2022	0	IN	64.2	87.4	F
81.	Jul-20-2022	0	IN	72	90	F
82.	Jul-21-2022	0	IN	66.4	88.7	F
83.	Jul-22-2022	0	IN	68.4	89.6	F
84.	Jul-23-2022	0	IN	69.8	77.4	F
85.	Jul-24-2022	0.18	IN	73.6	84.6	F
86.	Jul-25-2022	0	IN	64.9	83.8	F
87.	Jul-26-2022	0	IN	65.5	75.4	F
88.	Jul-27-2022	0.22	IN	69.3	83.1	F
89.	Jul-28-2022	0.09	IN	65.3	85.6	F
90.	Jul-29-2022	0	IN	57.9	80.1	F
91.	Jul-30-2022	0	IN	57	86.4	F
92.	Jul-31-2022	0	IN	59.7	84.6	F
93.	Aug-1-2022	0.53	IN	67.5	86.5	F
94.	Aug-2-2022	0	IN	65.8	85.1	F
95.	Aug-3-2022	0.58	IN	68.9	90.5	F

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96.	Aug-4-2022	0.01	IN	70	85.5	F
97.	Aug-5-2022	0	IN	69.1	89.2	F
98.	Aug-6-2022	0	IN	70.2	89.8	F
99.	Aug-7-2022	0	IN	73.4	88.7	F
100.	Aug-8-2022	0.24	IN	69.8	86.9	F
101.	Aug-9-2022	0.39	IN	64.8	80.1	F
102.	Aug-10-2022	0	IN	62.2	83.1	F
103.	Aug-11-2022	0	IN	59	84	F
104.	Aug-12-2022	0	IN	57.4	77.5	F
105.	Aug-13-2022	0	IN	55.2	78.4	F
106.	Aug-14-2022	0.07	IN	66.2	76.8	F
107.	Aug-15-2022	0	IN	64.9	79.5	F
108.	Aug-16-2022	0	IN	59	82.9	F
109.	Aug-17-2022	0	IN	56.1	83.8	F
110.	Aug-18-2022	0	IN	55.8	86.2	F
111.	Aug-19-2022	0	IN	58.8	85.3	F
112.	Aug-20-2022	0.29	IN	65.1	82.4	F
113.	Aug-21-2022	0.58	IN	63.3	81.1	F
114.	Aug-22-2022	0	IN	60.3	84.7	F
115.	Aug-23-2022	0	IN	55.8	85.3	F
116.	Aug-24-2022	0	IN	56.3	87.1	F
117.	Aug-25-2022	0.25	IN	66.2	80.8	F
118.	Aug-26-2022	0	IN	62.2	83.1	F
119.	Aug-27-2022	0	IN	59.2	85.6	F
120.	Aug-28-2022	0.14	IN	67.5	89.6	F
121.	Aug-29-2022	2.2	IN	65.8	87.4	F
122.	Aug-30-2022	0.3	IN	60.8	79.9	F
123.	Aug-31-2022	0	IN	53.4	81.1	F
124.	Sep-1-2022	0	IN	59	84	F
125.	Sep-2-2022	0	IN	64.2	83.3	F
126.	Sep-3-2022	0	IN	66.9	81.7	F
127.	Sep-4-2022	0	IN	66.6	82	F
128.	Sep-5-2022	0	IN	66.9	74.1	F
129.	Sep-6-2022	0	IN	63.7	82.9	F
130.	Sep-7-2022	0	IN	59.4	82.4	F
131.	Sep-8-2022	0	IN	52.9	82.4	F
132.	Sep-9-2022	0	IN	54.1	84.2	F
133.	Sep-10-2022	0.05	IN	60.8	88.9	F
134.	Sep-11-2022	0.2	IN	59.4	74.1	F
135.	Sep-12-2022	0.14	IN	51.6	62.8	F
136.	Sep-13-2022	0	IN	53.1	75	F
137.	Sep-14-2022	0	IN	52	86.5	F
138.	Sep-15-2022	0	IN	54.7	86.9	F
139.	Sep-16-2022	0	IN	57.4	84.6	F
140.	Sep-17-2022	0	IN	63.3	85.3	F
141.	Sep-18-2022	0	IN	63.3	86.9	F
142.	Sep-19-2022	0.24	IN	62.4	87.4	F
143.	Sep-20-2022	0	IN	59.2	92.3	F
144.	Sep-21-2022	0	IN	68.9	91.9	F
145.	Sep-22-2022	0	IN	46.6	69.6	F
146.	Sep-23-2022	0	IN	40.5	63.3	F
147.	Sep-24-2022	0.09	IN	51.6	78.4	F
148.	Sep-25-2022	0	IN	54.3	71.1	F

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149.	Sep-26-2022	0	IN	44.1	68.4	F
150.	Sep-27-2022	0	IN	39.6	64.9	F
151.	Sep-28-2022	0	IN	37.4	66	F
152.	Sep-29-2022	0	IN	38.7	69.3	F
153.	Sep-30-2022	0	IN	39.2	70.2	F
154.	Oct-1-2022	0	IN	43.9	75.4	F
155.	Oct-2-2022	0	IN	48.6	74.3	F
156.	Oct-3-2022	0	IN	41.7	72.5	F
157.	Oct-4-2022	0	IN	34.2	77.5	F
158.	Oct-5-2022	0	IN	38.1	79.9	F
159.	Oct-6-2022	0.01	IN	53.4	77.5	F
160.	Oct-7-2022	0	IN	36.9	61.2	F
161.	Oct-8-2022	0	IN	30.2	58.8	F
162.	Oct-9-2022	0	IN	34.5	70.3	F
163.	Oct-10-2022	0	IN	40.5	77.5	F
164.	Oct-11-2022	0.1	IN	54.3	69.8	F
165.	Oct-12-2022	0.07	IN	43.5	68	F
166.	Oct-13-2022	0.07	IN	32.9	59.9	F
167.	Oct-14-2022	0.22	IN	33.3	65.1	F

Application Description

	A	B
Application Date	May-24-2022	Jun-23-2022
Appl. Start Time	9:26 PM	12:30 PM
Appl. Stop Time	9:40 PM	12:53 PM
Interval to Prev. Appl.		30 DAYS
Application Method	SPRAY	SPRAY
Application Timing	PRE	POST
Application Placement	BROSOI	BROFOL
Applied By	L. MAIA	L. MAIA
Appl. Entry Date	Jul-13-2022	Jul-13-2022
Air Temperature Start, Stop	68, 68 F	83, 83 F
% Relative Humidity Start, Stop	46, 46	40, 40
Wind Velocity+Dir. Start	3 MPH, E	6 MPH, NW
Wind Velocity+Dir. Stop	3 MPH, E	6 MPH, NW
Wind Velocity+Dir. Max	7 MPH, E	8 MPH, NW
Wet Leaves (Y/N)	N, no	N, no
Soil Temperature	71 F	80 F
Soil Moisture	NORMAL	DRY
% Cloud Cover	30	20

Crop Stage At Each Application

	A	B
Crop 1 Code, BBCH Scale	GLXMA, BSOY	GLXMA, BSOY
Days after Emergence	-8	22
Stage Majority, Percent	00, -	14, 90
Stage Minimum, Percent	00, -	14, 90
Stage Maximum, Percent	00, -	15, 10
Height Average	0 IN	7 IN
Height Minimum, Maximum		5, 9

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Pest Stage At Each Application

	A	B
Pest 1 Code, Type, Scale	AMBTR, W, BBCH	AMBTR, W, BBCH
Height Average	0 IN	12 IN
Height Minimum, Maximum		2, 17
Density Average	0 FT2	3 FT2
Density Minimum, Maximum		0, 10
Pest 2 Code, Type, Scale	CHEAL, W, BBCH	CHEAL, W, BBCH
Stage Majority, Percent		12, -
Stage Minimum, Percent		0, -
Stage Maximum, Percent		5, -
Height Average	0 IN	2 IN
Height Minimum, Maximum		1, 4
Density Average	0 FT2	0.25 FT2

Application Equipment

	A	B
Appl. Equipment	CO2 BACKPACK	CO2 BACKPACK
Equipment Type	BACSPR	BACSPR
Operation Pressure	20 PSI	20 PSI
Nozzle Model	XR	AIXR
Nozzle Type	FLAFAN	FLAFAI
Nozzle TradeName	TEEJET	TEEJET
Nozzle Tip Size, Color	110015, GREEN	110015, GREEN
Nozzle Spacing	15 IN	15.0 IN
Nozzles/Row	8	8.0
Boom Length	10 FT	10.0 FT
Ground Speed	3 MPH	3 MPH
Carrier	WATER	WATER
Application Amount	15 GAL/AC	15 GAL/AC
Mix Overage	0 mL	0.0 mL
Mix Size	1.8 L	1.8 L
Propellant	COMCO2	COMCO2

Notes

Context	Date	By	Notes
STATUS	Apr-4-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Jun-21-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status changed to: E: changed by (EINJOW).
STATUS	Jun-21-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.

Instructions:

Application B: POST - application to weeds when they reach 3 to 4" in PRE treatment #3 or V4 soybean, whichever occurs first

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Pest Type					W, Weed	W, Weed		W, Weed
Pest Code					AMBTR	CHEAL		AMBTR
Pest Scientific Name					Ambrosia trifida	Chenopodium alb>		Ambrosia trifida
Pest Name					Giant ragweed	common lambsqua>		Giant ragweed
Crop Type, Code				C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	C, 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
Rating Date				Jun-7-2022	Jun-21-2022	Jun-21-2022	Jun-21-2022	Jul-5-2022	Jul-5-2022
Part Rated				PLANT, C	PLANT, C	PLANT, P	PLANT, P	PLANT, C	PLANT, P
Rating Type				PHYGEN	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit/Min/Max				%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Sample Size									
Number of Subsamples				1	1	1	1	1	1
Assessed By				C. BLAND	C. BLAND	C. BLAND	C. BLAND	C. BLAND	C. BLAND
Data Entry Date				Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022
Rating Timing				A1	A2	A2	A2	A3	A3
Days After First/Last Applic.				14, 14	28, 28	28, 28	28, 28	42, 12	42, 12
Plant-Eval Interval				23 DP-1	37 DP-1	37 DP-1	37 DP-1	51 DP-1	51 DP-1
Days After Emergence				6 DE-1	20 DE-1	20 DE-1	20 DE-1	34 DE-1	34 DE-1
ARM Action Codes									
Number of Decimals				0	0	0	0	0	0
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	1	2	3	4	5	6
1	NONTREATED			0	0	0	0	0	0
2	TENDOVO	1.75 qt/a	A	1 c	0 -	90 ab	100 a	0 -	100 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
3	TENDOVO	2.1 qt/a	A	6 a	0 -	94 a	100 a	0 -	100 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
4	BOUNDARY	1.8 pt/a	A	0 c	0 -	25 d	50 c	0 -	93 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
5	BROADAXE XC	25 fl oz/a	A	0 c	0 -	58 c	75 abc	0 -	94 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
6	SONIC	6.45 oz wt/a	A	3 bc	0 -	68 bc	88 ab	0 -	98 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
7	FIERCE XLT	4.5 oz wt/a	A	5 ab	0 -	66 c	88 ab	0 -	97 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
8	ZIDUA PRO	6 fl oz/a	A	6 a	0 -	69 bc	100 a	0 -	98 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type				W, Weed	W, Weed		W, Weed
Pest Code				AMBTR	CHEAL		AMBTR
Pest Scientific Name				Ambrosia trifida	Chenopodium alb>		Ambrosia trifida
Pest Name				Giant ragweed	common lambsqua>		Giant ragweed
Crop Type, Code			C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	C, 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
Rating Date			Jun-7-2022	Jun-21-2022	Jun-21-2022	Jun-21-2022	Jul-5-2022	Jul-5-2022
Part Rated			PLANT, C	PLANT, C	PLANT, P	PLANT, P	PLANT, C	PLANT, P
Rating Type			PHYGEN	PHYGEN	CONTRO	CONTRO	PHYGEN	CONTRO
Rating Unit/Min/Max			%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Sample Size								
Number of Subsamples			1	1	1	1	1	1
Assessed By			C. BLAND	C. BLAND	C. BLAND	C. BLAND	C. BLAND	C. BLAND
Data Entry Date			Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022
Rating Timing			A1	A2	A2	A2	A3	A3
Days After First/Last Applic.			14, 14	28, 28	28, 28	28, 28	42, 12	42, 12
Plant-Eval Interval			23 DP-1	37 DP-1	37 DP-1	37 DP-1	51 DP-1	51 DP-1
Days After Emergence			6 DE-1	20 DE-1	20 DE-1	20 DE-1	34 DE-1	34 DE-1
ARM Action Codes								
Number of Decimals			0	0	0	0	0	0
Trt No.	Treatment Name	Rate / Rate Unit	Appl Code	1	2	3	4	5	6
9	AUTHORITY EDGE	9 fl oz/a	A	8 a	0 -	55 c	63 bc	0 -	98 -
	AMSOL	2.5 qt/a	B						
	SEQUENCE	3.5 pt/a	B						
	ENLIST ONE	32 fl oz/a	B						
LSD P=.05				3.3	.	23.4	26.1	.	5.1
Standard Deviation				2.2	0.0	15.9	17.8	0.0	3.5
CV				61.9	0.0	24.35	21.47	0.0	3.58
Levene's F^				2.102	.	2.347	1.331	.	1.097
Levene's Prob(F)				0.083	.	0.056	0.279	.	0.396
Shapiro-Wilk^				0.8995*	.	0.9863	0.9543	.	0.9517
P(Shapiro-Wilk)^				0.006*	.	0.9472	0.1903	.	0.1611
Skewness^				0.6817	.	0.0221	-0.4341	.	-0.6888
P(Skewness)^				0.1261	.	0.9596	0.3246	.	0.1223
Kurtosis^				-0.3176	.	-0.3245	0.3189	.	-0.0032
P(Kurtosis)^				0.7102	.	0.7042	0.709	.	0.997
Replicate F				0.158	0.000	0.749	1.565	0.000	0.689
Replicate Prob(F)				0.9234	1.0000	0.5349	0.2276	1.0000	0.5689
Treatment F				7.376	0.000	7.260	4.482	0.000	2.132
Treatment Prob(F)				0.0002	1.0000	0.0002	0.0034	1.0000	0.0849

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean
Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type				W, Weed		W, Weed	W, Weed	W, Weed
Pest Code				CHEAL		AMBTR	CHEAL	AMBTR
Pest Scientific Name				Chenopodium alb>		Ambrosia trifida	Chenopodium alb>	Ambrosia trifida
Pest Name				common lambsqua>		Giant ragweed	common lambsqua>	Giant ragweed
Crop Type, Code				C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	C, 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
Rating Date				Jul-5-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Oct-13-2022
Part Rated				PLANT, P	PLANT, C	PLANT, P	PLANT, P	PLANT, P
Rating Type				CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max				%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Sample Size								
Number of Subsamples				1	1	1	1	1
Assessed By				C. BLAND	C. BLAND	C. BLAND	C. BLAND	J. HAARMANN
Data Entry Date				Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Oct-24-2022
Rating Timing				A3	A3	A3	A3	H1
Days After First/Last Applic.				42, 12	56, 26	56, 26	56, 26	142, 112
Plant-Eval Interval				51 DP-1	65 DP-1	65 DP-1	65 DP-1	151 DP-1
Days After Emergence				34 DE-1	48 DE-1	48 DE-1	48 DE-1	134 DE-1
ARM Action Codes								
Number of Decimals				0	0	0	0	
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	7	8	9	10	11
1	NONTREATED			0	0	0	0	0.0
2	TENDOVO	1.75 qt/a	A	100 -	0 -	99 -	100 -	95.0 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
3	TENDOVO	2.1 qt/a	A	100 -	0 -	100 -	100 -	95.0 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
4	BOUNDARY	1.8 pt/a	A	100 -	0 -	99 -	100 -	55.0 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
5	BROADAXE XC	25 fl oz/a	A	100 -	0 -	100 -	100 -	62.5 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
6	SONIC	6.45 oz wt/a	A	100 -	0 -	99 -	100 -	93.0 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
7	FIERCE XLT	4.5 oz wt/a	A	100 -	0 -	99 -	100 -	83.8 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					
8	ZIDUA PRO	6 fl oz/a	A	100 -	0 -	98 -	100 -	87.5 -
	AMSOL	2.5 qt/a	B					
	SEQUENCE	3.5 pt/a	B					
	ENLIST ONE	32 fl oz/a	B					

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean
Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type				W, Weed		W, Weed	W, Weed	W, Weed
Pest Code				CHEAL		AMBTR	CHEAL	AMBTR
Pest Scientific Name				Chenopodium alb>		Ambrosia trifida	Chenopodium alb>	Ambrosia trifida
Pest Name				common lambsqua>		Giant ragweed	common lambsqua>	Giant ragweed
Crop Type, Code				C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA	C, 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
Rating Date				Jul-5-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Oct-13-2022
Part Rated				PLANT, P	PLANT, C	PLANT, P	PLANT, P	PLANT, P
Rating Type				CONTRO	PHYGEN	CONTRO	CONTRO	CONTRO
Rating Unit/Min/Max				%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Sample Size								
Number of Subsamples				1	1	1	1	1
Assessed By				C. BLAND	C. BLAND	C. BLAND	C. BLAND	J. HAARMANN
Data Entry Date				Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	Oct-24-2022
Rating Timing				A3	A3	A3	A3	H1
Days After First/Last Applic.				42, 12	56, 26	56, 26	56, 26	142, 112
Plant-Eval Interval				51 DP-1	65 DP-1	65 DP-1	65 DP-1	151 DP-1
Days After Emergence				34 DE-1	48 DE-1	48 DE-1	48 DE-1	134 DE-1
ARM Action Codes								
Number of Decimals				0	0	0	0	
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	7	8	9	10	11
9	AUTHORITY EDGE	9	fl oz/a	A	100 -	0 -	99 -	100 -	83.8 -
	AMSOL	2.5	qt/a	B					
	SEQUENCE	3.5	pt/a	B					
	ENLIST ONE	32	fl oz/a	B					
LSD P=.05					.	.	3.5	.	31.14
Standard Deviation					0.0	0.0	2.4	0.0	21.18
CV					0.0	0.0	2.38	0.0	25.84
Levene's F^					.	.	0.848	.	5.049*
Levene's Prob(F)					.	.	0.56	.	0.001*
Shapiro-Wilk^					.	.	0.8189*	.	0.9577
P(Shapiro-Wilk)^					.	.	0.0*	.	0.2369
Skewness^					.	.	-0.9628*	.	0.2026
P(Skewness)^					.	.	0.0338*	.	0.6437
Kurtosis^					.	.	-0.3079	.	0.862
P(Kurtosis)^					.	.	0.7186	.	0.3166
Replicate F					0.000	0.000	0.141	0.000	0.349
Replicate Prob(F)					1.0000	1.0000	0.9343	1.0000	0.7904
Treatment F					0.000	0.000	0.463	0.000	2.045
Treatment Prob(F)					1.0000	1.0000	0.8501	1.0000	0.0968

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type				W, Weed			
Pest Code				CHEAL			
Pest Scientific Name				Chenopodium alb>			
Pest Name				common lambsqua>			
Crop Type, Code				C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA
BBCH Scale				BSOY	BSOY	BSOY	BSOY
Crop Scientific Name				Glycine max	Glycine max	Glycine max	Glycine max
Crop Name				Soybean	Soybean	Soybean	Soybean
Rating Date				Oct-13-2022	Oct-14-2022	Oct-14-2022	Oct-14-2022
Part Rated				PLANT, P	PLOT, C	PLOT, C	PLOT, C
Rating Type				CONTRO	YIELD	MOICON	YIELD
Rating Unit/Min/Max				%, 0, 100	lb/plot, -, -	%, 0, 100	BU, -, -
Sample Size					1 PLOT		1 A
Number of Subsamples				1	1	1	1
Assessed By				J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date				Oct-24-2022	Oct-24-2022	Oct-24-2022	
Rating Timing				H1	H1	H1	H1
Days After First/Last Applic.				142, 112	143, 113	143, 113	143, 113
Plant-Eval Interval				151 DP-1	152 DP-1	152 DP-1	152 DP-1
Days After Emergence				134 DE-1	135 DE-1	135 DE-1	135 DE-1
ARM Action Codes							TY1
Number of Decimals							1
Trt No.	Treatment Name	Rate Rate Unit	Appl Code	12	13	14	15
1	NONTREATED			0.0	6.898	13.40	18.4
2	TENDOVO	1.75 qt/a	A	100.0 -	20.043 -	12.73 bc	54.1 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
3	TENDOVO	2.1 qt/a	A	100.0 -	20.253 -	12.33 c	54.9 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
4	BOUNDARY	1.8 pt/a	A	100.0 -	17.823 -	13.45 a	47.7 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
5	BROADAXE XC	25 fl oz/a	A	100.0 -	18.415 -	12.75 abc	49.7 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
6	SONIC	6.45 oz wt/a	A	100.0 -	20.010 -	13.40 ab	53.5 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
7	FIERCE XLT	4.5 oz wt/a	A	100.0 -	18.705 -	13.08 ab	50.3 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
8	ZIDUA PRO	6 fl oz/a	A	100.0 -	18.483 -	12.75 abc	49.8 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type			W, Weed			
Pest Code			CHEAL			
Pest Scientific Name			Chenopodium alb>			
Pest Name			common lambsqua>			
Crop Type, Code			C, GLXMA	C, GLXMA	C, GLXMA	C, GLXMA
BBCH Scale			BSOY	BSOY	BSOY	BSOY
Crop Scientific Name			Glycine max	Glycine max	Glycine max	Glycine max
Crop Name			Soybean	Soybean	Soybean	Soybean
Rating Date			Oct-13-2022	Oct-14-2022	Oct-14-2022	Oct-14-2022
Part Rated			PLANT, P	PLOT, C	PLOT, C	PLOT, C
Rating Type			CONTRO	YIELD	MOICON	YIELD
Rating Unit/Min/Max			%, 0, 100	lb/plot, -, -	%, 0, 100	BU, -, -
Sample Size				1 PLOT		1 A
Number of Subsamples			1	1	1	1
Assessed By			J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date			Oct-24-2022	Oct-24-2022	Oct-24-2022	
Rating Timing			H1	H1	H1	H1
Days After First/Last Applic.			142, 112	143, 113	143, 113	143, 113
Plant-Eval Interval			151 DP-1	152 DP-1	152 DP-1	152 DP-1
Days After Emergence			134 DE-1	135 DE-1	135 DE-1	135 DE-1
ARM Action Codes						TY1
Number of Decimals						1
Trt No.	Treatment Name	Rate / Rate Unit	Appl Code	12	13	14	15
9	AUTHORITY EDGE	9 fl oz/a	A	100.0 -	19.093 -	13.30 ab	51.2 -
	AMSOL	2.5 qt/a	B				
	SEQUENCE	3.5 pt/a	B				
	ENLIST ONE	32 fl oz/a	B				
LSD P=.05				.	4.0565	0.723	11.07
Standard Deviation				0.00	2.7586	0.492	7.53
CV				0.0	14.44	3.79	14.65
Levene's F^				.	0.418	0.716	0.449
Levene's Prob(F)				.	0.881	0.66	0.861
Shapiro-Wilk^				.	0.9657	0.938	0.9687
P(Shapiro-Wilk)^				.	0.389	0.0658	0.4638
Skewness^				.	-0.4672	0.6991	-0.4466
P(Skewness)^				.	0.2896	0.117	0.311
Kurtosis^				.	0.3735	-0.0978	0.3385
P(Kurtosis)^				.	0.6622	0.9088	0.6921
Replicate F				0.000	4.334	0.735	4.333
Replicate Prob(F)				1.0000	0.0158	0.5427	0.0158
Treatment F				0.000	0.427	2.618	0.449
Treatment Prob(F)				1.0000	0.8745	0.0413	0.8600

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
Untreated treatment(s) 1 excluded from analysis.
Could not calculate LSD (% mean diff) for columns 2,5,7,8,10,12 because error mean square = 0.
^Calculated from residual.

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Pest Type
W, Weed = Weed or volunteer crop
Pest Code
AMBTR, Ambrosia trifida, Giant ragweed = US
CHEAL, Chenopodium album, common lambsquarters = US
Crop Type, Code
C = EPPO species (Bayer) codes
GLXMA, BSOY, Glycine max, Soybean = US
Part Rated
PLANT = plant
PLOT = plot
C = Crop is Part Rated
P = Pest is Part Rated
Rating Type
PHYGEN = phytotoxicity - general / injury
CONTRO = control / burndown or knockdown
YIELD = yield
MOICON = moisture content
Rating Unit/Min/Max
%, 0, 100 = percent
lb/plot, , = pounds per plot
BU, , = bushel

PLOT = total plot
A = acre
Rating Timing
A1 = 1st Assessment According to Trial Schedule
A2 = 2nd Assessment According to trial Schedule
A3 = 3rd Assessment According to Trial Schedule
H1 = 1st Harvest
Plant-Eval Interval
23 DP-1 = 1 GLXMA May-15-2022
37 DP-1 = 1 GLXMA May-15-2022
51 DP-1 = 1 GLXMA May-15-2022
65 DP-1 = 1 GLXMA May-15-2022
151 DP-1 = 1 GLXMA May-15-2022
152 DP-1 = 1 GLXMA May-15-2022
ARM Action Codes
TY1 = 2.68888889*[13]*(100-[14])/87

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Rep 1	2	3	4	Notes
1	CHK	NONTREATED							101	404	601	704	
2	HERB	TENDOVO	4.177	LBA/GAL	ZC	1.75	qt/a	A	102	302	602	703	
	ADJ	AMSOL	3.4	LBA/GAL	L	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
3	HERB	TENDOVO	4.177	LBA/GAL	ZC	2.1	qt/a	A	103	402	501	702	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
4	HERB	BOUNDARY	6.5	LBA/GAL	EC	1.8	pt/a	A	104	305	604	803	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
5	HERB	BROADAXE XC	7	LBA/GAL	EC	25	fl oz/a	A	105	301	502	804	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
6	HERB	SONIC	70	%	DF	6.45	oz wt/a	A	201	304	505	701	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
7	HERB	FIERCE XLT	62.41	%	WG	4.5	oz wt/a	A	202	303	603	705	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					
8	HERB	ZIDUA PRO	4.09	LBA/GAL	SC	6	fl oz/a	A	203	403	503	802	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					

Purdue University Weed Science

Tendovo Crop Tolerance and Efficacy in Conventional Till Soybean

Trial ID: 22S-TPAC-SOY-07 Cooperator Trial ID:
Protocol ID: 22S-TPAC-SOY-07 Location: TPAC Trial Year: 2022
Project ID: USNJ0H4022022 (HSM050B4-2022US) Project ID 2: Project ID 3:
Study Director: Dr. Bill Johnson Sponsor Contact: Steve Mroczkiewicz - Syngenta
Investigator (Creator): Dr. Bill Johnson

Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Rep 1	2	3	4	Notes
9	HERB	AUTHORITY EDGE	4.25	LBA/GAL	SC	9	fl oz/a	A	204	401	504	801	
	ADJ	AMSOL	3.4	LBA/GAL	SL	2.5	qt/a	B					
	HERB	SEQUENCE	5.25	LBA/GAL	EW	3.5	pt/a	B					
	HERB	ENLIST ONE	3.8	LBAE/GAL	SL	32	fl oz/a	B					

Sort Order: Replicate 1