

## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 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-11-2022  
**Initiation Date:** May-12-2022      **Planned Completion Date:** Oct-15-2022  
**Completion Date:** Jul-8-2022

#### Trial Location

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

**Latitude of LL Corner** °: 40.2917667 N  
**Longitude of LL Corner** °: -86.9068667 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:** Eric Ott - Valent  
**Role:** COOPER cooperator  
**Cooperator:** Jay Young      **Title:** Superintendent  
**Organization:** Purdue University  
**Address 1:** 8343 US 231 S      **Phone No.:** 765-538-3422  
**Country:** USA      United States      **E-mail:** jayyoung@purdue.edu  
**City:** Lafayette      **State/Prov:** IN      **Postal Code:** 47909

#### Crop Description

**Crop 1:** C      ZEAMX Zea mays      Corn  
**Entry Date:** Jun-15-2022      **Stage Scale:** BBCH  
**Variety:** DKC 56-65  
**Attributes:** Glyphosate-R and Glufosinate-R  
**Planting Date:** May-12-2022      **Planting Rate:** 32000      S/A  
**Depth:** 1.75      IN  
**Rows per Plot:** 4      **Planting Method:** PLANTD      planted  
**Row Spacing:** 30      IN      **Planting Equipment:** PP      plot planter  
**Soil Temperature:** 80      F      **Soil Moisture:** NORMAL      normal, adequate  
**Emergence Date:** May-19-2022  
**Harvested Width:** 5      FT  
**% Standard Moisture:** 15.5      **Harvested Length:** 27      FT

#### Pest Description

**Pest 1 Type:** W      **Code:** AMBTR      Ambrosia trifida      **Entry Date:** Jun-17-2022  
**Common Name:** Giant ragweed      **Stage Scale:** BBCH  
**Attributes:** ALS-R      **Artificial Population:** N      no

**Pest 2 Type:** W      **Code:** ECHCG      Echinochloa crus-galli      **Entry Date:** Jul-19-2022  
**Common Name:** common barnyardgrass      **Stage Scale:** BBCH  
**Attributes:** Herbicide susceptible      **Artificial Population:** N      no

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### 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 FT<sup>2</sup>      **Tillage Type:** CONTIL conventional-till  
**Replications:** 4      **Treatments:** 12      **Plots:** 48      **Study Design:** RACOB� Randomized Complete Block (RCB)

### Field Prep./Maintenance:

180 lbs of N applied as Anhydrous Ammonia on 11/23/21

### Soil Description

**Description Name:** TPAC- Field 4AW  
**% Sand:** 17      **% OM:** 3.1      **Texture:** SIL silt loam  
**% Silt:** 56      **Soil Name:** Toronto-Millbrook  
**% Clay:** 27      **Fert. Level:** G good  
**pH:** 6.2      **CEC:** 11.5

### Weather Conditions

**Overall Moisture Conditions:** BELNOR below normal  
**Weather Station Name:** TPAC      **Distance:** 0.5 MI

No.	Date	Moisture Total	Unit	Min Temp	Max Temp	Avg Temp	Temp Unit
1.	May-1-2022	0	IN	51.1	63.7	55.8	F
2.	May-2-2022	0	IN	43.2	66	55.4	F
3.	May-3-2022	0.71	IN	46	67.8	57.4	F
4.	May-4-2022	0	IN	46	61.5	53.6	F
5.	May-5-2022	0.66	IN	53.6	56.7	54.7	F
6.	May-6-2022	0.07	IN	51.8	57.2	55.2	F
7.	May-7-2022	0	IN	48.7	68.2	58.1	F
8.	May-8-2022	0	IN	44.6	68.7	58.5	F
9.	May-9-2022	0	IN	52.9	81	67.5	F
10.	May-10-2022	0	IN	66.6	88.9	76.6	F
11.	May-11-2022	0	IN	73	92.3	81.5	F
12.	May-12-2022	0	IN	67.8	90	78.1	F
13.	May-13-2022	0	IN	61.9	89.6	76.8	F
14.	May-14-2022	0.74	IN	59.7	88.2	70.7	F
15.	May-15-2022	1.02	IN	57	86.2	67.6	F
16.	May-16-2022	0.01	IN	52.7	76.8	64.6	F
17.	May-17-2022	0	IN	53.4	77.7	66	F
18.	May-18-2022	0.1	IN	57.9	66.9	62.8	F
19.	May-19-2022	0	IN	59.7	82.2	69.6	F
20.	May-20-2022	0	IN	66.4	86.9	77.2	F
21.	May-21-2022	0.1	IN	58.3	77.7	66.7	F
22.	May-22-2022	0	IN	53.2	64.6	58.3	F
23.	May-23-2022	0	IN	48.4	68.7	58.3	F
24.	May-24-2022	0	IN	50.2	75.6	63.7	F
25.	May-25-2022	0.05	IN	61.7	85.6	70.7	F
26.	May-26-2022	1.68	IN	60.8	75.4	67.5	F
27.	May-27-2022	0.03	IN	53.4	67.8	59.9	F
28.	May-28-2022	0	IN	51.6	73.2	63	F
29.	May-29-2022	0	IN	59.5	82.9	71.4	F
30.	May-30-2022	0	IN	67.1	88.5	77.7	F
31.	May-31-2022	0	IN	71.6	89.4	79.7	F
32.	Jun-1-2022	0	IN	66	81	74.7	F
33.	Jun-2-2022	0.01	IN	61.3	79.9	69.8	F
34.	Jun-3-2022	0	IN	54.1	84.2	70.5	F
35.	Jun-4-2022	0	IN	51.4	84.2	70.3	F

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36.	Jun-5-2022	0	IN	56.8	85.3	73	F
37.	Jun-6-2022	0	IN	64	85.8	73.8	F
38.	Jun-7-2022	0	IN	62.2	77.9	70	F
39.	Jun-8-2022	0.02	IN	55.2	77.5	64.6	F
40.	Jun-9-2022	0	IN	56.7	78.8	66.7	F
41.	Jun-10-2022	0.1	IN	54	79.7	66	F
42.	Jun-11-2022	0.23	IN	58.5	79.7	68.2	F
43.	Jun-12-2022	0.02	IN	65.8	84	73.8	F
44.	Jun-13-2022	0	IN	68.7	91	79.3	F
45.	Jun-14-2022	0	IN	74.8	95.5	85.8	F
46.	Jun-15-2022	0	IN	75	94.6	85.5	F
47.	Jun-16-2022	0	IN	76.6	97.3	86	F
48.	Jun-17-2022	0	IN	69.1	88.2	79.2	F
49.	Jun-18-2022	0	IN	60.8	82.2	70.3	F
50.	Jun-19-2022	0	IN	52.2	83.8	70.3	F
51.	Jun-20-2022	0	IN	57.4	90.1	75.4	F
52.	Jun-21-2022	0	IN	63.9	96.3	81.7	F
53.	Jun-22-2022	0	IN	72	90.3	81.5	F
54.	Jun-23-2022	0	IN	62.4	89.1	76.6	F
55.	Jun-24-2022	0	IN	59	93	76.6	F
56.	Jun-25-2022	0.01	IN	63.9	82.6	74.3	F
57.	Jun-26-2022	0.22	IN	64.2	81.5	74.1	F
58.	Jun-27-2022	0	IN	54.7	79.3	68.4	F
59.	Jun-28-2022	0	IN	55.2	82.9	69.8	F
60.	Jun-29-2022	0	IN	57.6	87.3	73.9	F
61.	Jun-30-2022	0	IN	61	90.5	77.4	F
62.	Jul-1-2022	0	IN	68.5	90.7	77.5	F
63.	Jul-2-2022	0	IN	66.6	86.4	76.3	F
64.	Jul-3-2022	0	IN	57.6	89.8	75.9	F
65.	Jul-4-2022	0.01	IN	64.6	91.4	79	F
66.	Jul-5-2022	0	IN	77.2	98.2	87.3	F
67.	Jul-6-2022	0	IN	74.3	90	81.9	F
68.	Jul-7-2022	0.05	IN	70.3	84.7	77	F
69.	Jul-8-2022	0.23	IN	70	76.3	72.5	F
70.	Jul-9-2022	0	IN	67.5	84.6	74.1	F
71.	Jul-10-2022	0	IN	57.9	90.7	73.4	F
72.	Jul-11-2022	0	IN	59.5	88	75.9	F
73.	Jul-12-2022	0	IN	67.6	83.8	76.1	F
74.	Jul-13-2022	0	IN	62.8	86.5	75	F
75.	Jul-14-2022	0	IN	57.4	84.9	72.5	F
76.	Jul-15-2022	0.1	IN	58.1	77.4	68.2	F
77.	Jul-16-2022	0.49	IN	69.6	89.4	79	F
78.	Jul-17-2022	0.47	IN	68.9	76.3	72.7	F
79.	Jul-18-2022	0	IN	68.9	87.6	75.6	F
80.	Jul-19-2022	0	IN	64.2	87.4	77	F
81.	Jul-20-2022	0	IN	72	90	80.1	F
82.	Jul-21-2022	0	IN	66.4	88.7	77.7	F
83.	Jul-22-2022	0	IN	68.4	89.6	78.8	F
84.	Jul-23-2022	0	IN	69.8	77.4	73.4	F
85.	Jul-24-2022	0.18	IN	73.6	84.6	78.3	F
86.	Jul-25-2022	0	IN	64.9	83.8	73.9	F
87.	Jul-26-2022	0	IN	65.5	75.4	70	F
88.	Jul-27-2022	0.22	IN	69.3	83.1	74.7	F

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89.	Jul-28-2022	0.09	IN	65.3	85.6	75	F
90.	Jul-29-2022	0	IN	57.9	80.1	69.6	F
91.	Jul-30-2022	0	IN	57	86.4	71.8	F
92.	Jul-31-2022	0	IN	59.7	84.6	73.8	F
93.	Aug-1-2022	0.53	IN	67.5	86.5	76.1	F
94.	Aug-2-2022	0	IN	65.8	85.1	73.8	F
95.	Aug-3-2022	0.58	IN	68.9	90.5	76.8	F
96.	Aug-4-2022	0.01	IN	70	85.5	75.9	F
97.	Aug-5-2022	0	IN	69.1	89.2	77.2	F
98.	Aug-6-2022	0	IN	70.2	89.8	79.5	F
99.	Aug-7-2022	0	IN	73.4	88.7	80.1	F
100.	Aug-8-2022	0.24	IN	69.8	86.9	79.3	F
101.	Aug-9-2022	0.39	IN	64.8	80.1	70.3	F
102.	Aug-10-2022	0	IN	62.2	83.1	72	F
103.	Aug-11-2022	0	IN	59	84	71.2	F
104.	Aug-12-2022	0	IN	57.4	77.5	67.6	F
105.	Aug-13-2022	0	IN	55.2	78.4	68.2	F
106.	Aug-14-2022	0.07	IN	66.2	76.8	70.5	F
107.	Aug-15-2022	0	IN	64.9	79.5	70.5	F
108.	Aug-16-2022	0	IN	59	82.9	71.6	F
109.	Aug-17-2022	0	IN	56.1	83.8	70.3	F
110.	Aug-18-2022	0	IN	55.8	86.2	70.5	F
111.	Aug-19-2022	0	IN	58.8	85.3	72.3	F
112.	Aug-20-2022	0.29	IN	65.1	82.4	71.6	F
113.	Aug-21-2022	0.58	IN	63.3	81.1	70.9	F
114.	Aug-22-2022	0	IN	60.3	84.7	70.2	F
115.	Aug-23-2022	0	IN	55.8	85.3	70	F
116.	Aug-24-2022	0	IN	56.3	87.1	71.4	F
117.	Aug-25-2022	0.25	IN	66.2	80.8	73.6	F
118.	Aug-26-2022	0	IN	62.2	83.1	72.5	F
119.	Aug-27-2022	0	IN	59.2	85.6	72.1	F
120.	Aug-28-2022	0.14	IN	67.5	89.6	77.7	F
121.	Aug-29-2022	2.2	IN	65.8	87.4	74.5	F
122.	Aug-30-2022	0.3	IN	60.8	79.9	71.1	F
123.	Aug-31-2022	0	IN	53.4	81.1	68	F
124.	Sep-1-2022	0	IN	59	84	71.8	F
125.	Sep-2-2022	0	IN	64.2	83.3	73	F
126.	Sep-3-2022	0	IN	66.9	81.7	73.6	F
127.	Sep-4-2022	0	IN	66.6	82	73.2	F
128.	Sep-5-2022	0	IN	66.9	74.1	70	F
129.	Sep-6-2022	0	IN	63.7	82.9	71.2	F
130.	Sep-7-2022	0	IN	59.4	82.4	69.6	F
131.	Sep-8-2022	0	IN	52.9	82.4	68.2	F
132.	Sep-9-2022	0	IN	54.1	84.2	69.1	F
133.	Sep-10-2022	0.05	IN	60.8	88.9	73	F
134.	Sep-11-2022	0.2	IN	59.4	74.1	67.6	F
135.	Sep-12-2022	0.14	IN	51.6	62.8	57.4	F
136.	Sep-13-2022	0	IN	53.1	75	62.2	F
137.	Sep-14-2022	0	IN	52	86.5	67.6	F
138.	Sep-15-2022	0	IN	54.7	86.9	69.3	F
139.	Sep-16-2022	0	IN	57.4	84.6	70.2	F
140.	Sep-17-2022	0	IN	63.3	85.3	72.9	F
141.	Sep-18-2022	0	IN	63.3	86.9	74.3	F

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142.	Sep-19-2022	0.24	IN	62.4	87.4	73.9	F
143.	Sep-20-2022	0	IN	59.2	92.3	75.2	F
144.	Sep-21-2022	0	IN	68.9	91.9	79.5	F
145.	Sep-22-2022	0	IN	46.6	69.6	60.1	F
146.	Sep-23-2022	0	IN	40.5	63.3	53.4	F
147.	Sep-24-2022	0.09	IN	51.6	78.4	63.9	F
148.	Sep-25-2022	0	IN	54.3	71.1	62.4	F
149.	Sep-26-2022	0	IN	44.1	68.4	56.8	F
150.	Sep-27-2022	0	IN	39.6	64.9	50.9	F
151.	Sep-28-2022	0	IN	37.4	66	51.8	F
152.	Sep-29-2022	0	IN	38.7	69.3	53.4	F
153.	Sep-30-2022	0	IN	39.2	70.2	54.9	F
154.	Oct-1-2022	0	IN	43.9	75.4	59.4	F
155.	Oct-2-2022	0	IN	48.6	74.3	59.4	F
156.	Oct-3-2022	0	IN	41.7	72.5	54.5	F
157.	Oct-4-2022	0	IN	34.2	77.5	54.1	F
158.	Oct-5-2022	0	IN	38.1	79.9	58.3	F
159.	Oct-6-2022	0.01	IN	53.4	77.5	63.7	F
160.	Oct-7-2022	0	IN	36.9	61.2	51.4	F
161.	Oct-8-2022	0	IN	30.2	58.8	43.9	F
162.	Oct-9-2022	0	IN	34.5	70.3	52.2	F
163.	Oct-10-2022	0	IN	40.5	77.5	59	F
164.	Oct-11-2022	0.1	IN	54.3	69.8	61.7	F
165.	Oct-12-2022	0.07	IN	43.5	68	59	F
166.	Oct-13-2022	0.07	IN	32.9	59.9	47.7	F
167.	Oct-14-2022	0.22	IN	33.3	65.1	50	F

#### Application Description

	A	B	C
Application Date	May-13-2022	Jun-2-2022	Jun-9-2022
Appl. Start Time	12:00 PM	1:00 PM	8:45 AM
Appl. Stop Time	12:20 PM	1:20 PM	8:55 AM
Application Method	SPRAY	SPRAY	SPRAY
Application Timing	PRE	4" WEEDS	12" CORN
Application Placement	BROSOI	BROFOL	BROFOL
Applied By	J. HAARMANN	J. HAARMANN	J. HAARMANN
Appl. Entry Date	Jun-17-2022	Jun-17-2022	Jun-17-2022
Air Temperature Start, Stop	85, 85 F	76, 76 F	62, 62 F
% Relative Humidity Start, Stop	46, 46	50, 50	73, 73
Wind Velocity+Dir. Start	3 MPH, S	3 MPH, W	3 MPH, S
Wind Velocity+Dir. Stop	3 MPH, S	5 MPH, W	4 MPH, S
Wind Velocity+Dir. Max	7 MPH, S	10 MPH, W	7 MPH, S
Wet Leaves (Y/N)	N, no	N, no	N, no
Soil Temperature	80 F	80 F	65 F
Soil Moisture	NORMAL	NORMAL	DRY
% Cloud Cover	5	10	50

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#### Crop Stage At Each Application

	A	B	C
<b>Crop 1 Code, BBCH Scale</b>	ZEAMX, BCOR	ZEAMX, BCOR	ZEAMX, BCOR
<b>Days after Emergence</b>	-6	14	21
<b>Stage Majority, Percent</b>	00, -	V3, -	V4, -
<b>Stage Minimum, Percent</b>	00, -	V3, -	V4, -
<b>Stage Maximum, Percent</b>	00, -	V3, -	V4, -
<b>Height Average</b>	0 IN	7 IN	11 IN

#### Pest Stage At Each Application

	A	B	C
<b>Pest 1 Code, Type, Scale</b>	AMBTR, W, BBCH	AMBTR, W, BBCH	AMBTR, W, BBCH
<b>Height Average</b>	0 IN	4 IN	3 IN
<b>Height Minimum, Maximum</b>		3, 6	2, 6
<b>Density Average</b>	0 IN	10 FT2	6 FT2
<b>Density Minimum, Maximum</b>		5, 15	4, 15
<b>Pest 2 Code, Type, Scale</b>	ECHCG, W, BBCH	ECHCG, W, BBCH	ECHCG, W, BBCH
<b>Height Average</b>	0 IN	2 IN	0.5 IN
<b>Height Minimum, Maximum</b>		2, 5	0, 1
<b>Density Average</b>	0 IN	10 FT2	0.5 FT2
<b>Density Minimum, Maximum</b>		1, 15	0, 4

#### Application Equipment

	A	B	C
<b>Appl. Equipment</b>	CO2 BACKPACK	CO2 BACKPACK	CO2 BACKPACK
<b>Equipment Type</b>	BACSPR	BACSPR	BACSPR
<b>Operation Pressure</b>	20 PSI	20 PSI	20 PSI
<b>Nozzle Model</b>	AIXR	TT	TT
<b>Nozzle Type</b>	FLAFXR	TEEJTU	TEEJTU
<b>Nozzle TradeName</b>	TEEJET	TEEJET	TEEJET
<b>Nozzle Tip Size, Color</b>	110015, GREEN	110015, GREEN	110015, GREEN
<b>Nozzle Spacing</b>	15 IN	15 IN	15 IN
<b>Nozzles/Row</b>	8	8	8
<b>Boom Length</b>	10 FT	10 FT	10 FT
<b>Ground Speed</b>	3 MPH	3 MPH	3 MPH
<b>Carrier</b>	WATER	WATER	WATER
<b>Application Amount</b>	15 GAL/AC	15 GAL/AC	15 GAL/AC
<b>Mix Size</b>	1.8 L	1.8 L	1.8 L
<b>Propellant</b>	COMCO2	COMCO2	COMCO2

#### Notes

Context	Date	By	Notes
STATUS	Apr-11-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'S' during trial creation.
STATUS	Jun-15-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status changed to: E: changed by (EINJOW).
STATUS	Jun-15-2022	Dr. Bill Johnson	Automatically added by ARM: Trial Status updated to 'E' when Initiation Date entered.
GENTRI	Jul-19-2022	Dr. Bill Johnson	Treatments 2-8 have severe stunting due to early season weed competition.

## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

Pest Type		W, Weed AMBTR	W, Weed ECHCG		W, Weed AMBTR	
Pest Code		Giant ragweed	common barnyard>		Giant ragweed	
Pest Name		C, ZEAMX	C, ZEAMX	C, ZEAMX	C, ZEAMX	
Crop Type, Code		Corn	Corn	Corn	Corn	
Crop Name		PLANT, C	PLANT, P	PLANT, C	PLANT, P	
Rating Date		PHYGEN	CONTRO	PHYGEN	CONTRO	
Part Rated		% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	
Rating Type		1	1	1	1	
Rating Unit/Min/Max		J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN	
Number of Subsamples		Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	
Assessed By		A1	A2	A2	A3	
Data Entry Date		14, 14	28, 1	28, 1	28, 1	
Rating Timing		8 DE-1	22 DE-1	22 DE-1	36 DE-1	
Days After First/Last Applic.						
Days After Emergence						
ARM Action Codes						
Number of Decimals		0	0	0	0	
Trt Treatment	Rate	1	2	3	4	5
No. Name	Rate Unit Code					
1 NONTREATED		0	0	0	0	0
2 AMSOL	5.9 % v/v B	0 -	71 f	95 -	0 -	86 c
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
3 AMSOL	5.9 % v/v B	0 -	90 ab	96 -	0 -	100 a
ACURON	3 pt/a B					
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
4 AMSOL	5.9 % v/v B	0 -	80 c-f	95 -	0 -	99 ab
HALEX GT	2 qt/a B					
ACTIVATOR 90	0.25 % v/v B					
5 AMSOL	5.9 % v/v B	0 -	74 ef	99 -	0 -	97 ab
ARMEZON PRO	24 fl oz/a B					
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
6 AMSOL	5.9 % v/v B	0 -	81 b-e	100 -	0 -	100 ab
RESICORE	44 fl oz/a B					
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
7 AMSOL	5.9 % v/v B	0 -	89 abc	99 -	0 -	96 b
MAVERICK	14 fl oz/a B					
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
8 AMSOL	5.9 % v/v B	0 -	95 a	100 -	0 -	100 ab
MAVERICK	14 fl oz/a B					
AATREX	1.5 pt/a B					
ROUNDUP POWERMAX 3	30 fl oz/a B					
ACTIVATOR 90	0.25 % v/v B					
9 ACURON	1.5 qt/a A	0 -	85 bcd	100 -	0 -	99 ab
AMSOL	5.9 % v/v C					
ACURON	1.5 qt/a C					
ROUNDUP POWERMAX 3	30 fl oz/a C					
ACTIVATOR 90	0.25 % v/v C					
10 MAVERICK	18 fl oz/a A	0 -	76 def	100 -	0 -	98 ab
AMSOL	5.9 % v/v C					
MAVERICK	14 fl oz/a C					
ROUNDUP POWERMAX 3	30 fl oz/a C					
ACTIVATOR 90	0.25 % v/v C					

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 1,4 because error mean square = 0.  
 ^Calculated from residual.

# Purdue University Weed Science

## Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

		W, Weed AMBTR Giant ragweed	W, Weed ECHCG common barnyard>		W, Weed AMBTR Giant ragweed	
Pest Type		C, ZEAMX	C, ZEAMX	C, ZEAMX	C, ZEAMX	
Pest Code		Corn	Corn	Corn	Corn	
Pest Name		PLANT, C	PLANT, P	PLANT, C	PLANT, P	
Crop Type, Code		PHYGEN	CONTRO	PHYGEN	CONTRO	
Crop Name		% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	
Rating Date		1	1	1	1	
Part Rated		J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN	
Rating Type		Jul-19-2022	Jul-19-2022	Jul-19-2022	Jul-19-2022	
Rating Unit/Min/Max		A1	A2	A2	A3	
Number of Subsamples		14, 14	28, 1	28, 1	42, 15	
Assessed By		8 DE-1	22 DE-1	22 DE-1	36 DE-1	
Data Entry Date		ARM Action Codes				
Rating Timing		Number of Decimals	0	0	0	
Days After First/Last Applic.						
Days After Emergence						
ARM Action Codes						
Number of Decimals						
Trt Treatment No. Name	Rate Appl Code	1	2	3	4	5
11 MAVERICK	18 fl oz/a A	0 -	78 def	100 -	0 -	99 ab
AATREX	1 pt/a A					
AMSOL	5.9 % v/v C					
MAVERICK	14 fl oz/a C					
AATREX	1 pt/a C					
ROUNDUP POWERMAX 3	30 fl oz/a C					
ACTIVATOR 90	0.25 % v/v C					
12 PERPETUO	8 fl oz/a A	0 -	15 g	100 -	0 -	100 a
AATREX	2 pt/a A					
AMSOL	5.9 % v/v C					
MAVERICK	14 fl oz/a C					
ROUNDUP POWERMAX 3	30 fl oz/a C					
ACTIVATOR 90	0.25 % v/v C					
LSD P=.05		.	9.4	4.4	.	3.7
Standard Deviation		0.0	6.5	3.0	0.0	2.5
CV		0.0	8.57	3.06	0.0	2.59
Levene's F^		.	0.831	5.057*	.	2.365*
Levene's Prob(F)		.	0.602	0.00*	.	0.031*
Shapiro-Wilk^		.	0.9058*	0.9503	.	0.9859
P(Shapiro-Wilk)^		.	0.0016*	0.0563	.	0.8615
Skewness^		.	-1.31*	-0.4018	.	-0.0948
P(Skewness)^		.	0.001*	0.283	.	0.7987
Kurtosis^		.	4.8221*	0.4594	.	-0.1707
P(Kurtosis)^		.	0.0*	0.5298	.	0.8151
Replicate F		0.000	2.381	1.229	0.000	4.669
Replicate Prob(F)		1.0000	0.0892	0.3163	1.0000	0.0086
Treatment F		0.000	43.515	1.900	0.000	10.696
Treatment Prob(F)		1.0000	0.0001	0.0851	1.0000	0.0001

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## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

W, Weed ECHCG common barnyard> C, ZEAMX Corn Jun-24-2022 PLANT, P CONTRO %, 0, 100 1 J. HAARMANN	W, Weed AMBTR Giant ragweed C, ZEAMX Corn Jul-7-2022 PLANT, P CONTRO %, 0, 100 1 J. HAARMANN	W, Weed ECHCG common barnyard> C, ZEAMX Corn Jul-7-2022 PLANT, P CONTRO %, 0, 100 1 J. HAARMANN	W, Weed ECHCG common barnyard> C, ZEAMX Corn Oct-7-2022 PLOT, C YIELD lb/plot, -, - 1 J. HAARMANN	C, ZEAMX Corn Oct-7-2022 PLOT, C MOICON %, 0, 100 1 J. HAARMANN	
Rate 6	Rate 7	Rate 8	Rate 9	Rate 10	
1 NONTREATED	0	0	0	2.418	13.21
2 AMSOL 5.9 % v/v B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	86 b	83 b	80 c	33.908 c	18.80 d
3 AMSOL 5.9 % v/v B ACURON 3 pt/a B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	99 a	100 a	95 ab	35.195 bc	20.03 ab
4 AMSOL 5.9 % v/v B HALEX GT 2 qt/a B ACTIVATOR 90 0.25 % v/v B	98 a	98 a	94 ab	36.458 bc	19.78 ab
5 AMSOL 5.9 % v/v B ARMEZON PRO 24 fl oz/a B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	98 a	94 a	99 a	35.673 bc	19.85 ab
6 AMSOL 5.9 % v/v B RESICORE 44 fl oz/a B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	99 a	98 a	96 ab	35.615 bc	19.60 abc
7 AMSOL 5.9 % v/v B MAVERICK 14 fl oz/a B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	98 a	96 a	90 b	38.435 ab	19.58 abc
8 AMSOL 5.9 % v/v B MAVERICK 14 fl oz/a B AATREX 1.5 pt/a B ROUNDUP POWERMAX 3 30 fl oz/a B ACTIVATOR 90 0.25 % v/v B	100 a	98 a	94 ab	35.243 bc	20.00 ab
9 ACURON 1.5 qt/a A AMSOL 5.9 % v/v C ACURON 1.5 qt/a C ROUNDUP POWERMAX 3 30 fl oz/a C ACTIVATOR 90 0.25 % v/v C	99 a	96 a	97 ab	37.018 abc	19.08 cd
10 MAVERICK 18 fl oz/a A AMSOL 5.9 % v/v C MAVERICK 14 fl oz/a C ROUNDUP POWERMAX 3 30 fl oz/a C ACTIVATOR 90 0.25 % v/v C	98 a	97 a	95 ab	38.298 ab	19.43 bcd

Means followed by same letter or symbol do not significantly differ (P= .05, LSD).  
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 ^Calculated from residual.

## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

W, Weed	W, Weed	W, Weed		
ECHCG	AMBTR	ECHCG		
common barnyard>	Giant ragweed	common barnyard>		
C, ZEAMX	C, ZEAMX	C, ZEAMX	C, ZEAMX	C, ZEAMX
Corn	Corn	Corn	Corn	Corn
Jun-24-2022	Jul-7-2022	Jul-7-2022	Oct-7-2022	Oct-7-2022
PLANT, P	PLANT, P	PLANT, P	PLOT, C	PLOT, C
CONTRO	CONTRO	CONTRO	YIELD	MOICON
% , 0, 100	% , 0, 100	% , 0, 100	lb/plot, -, -	% , 0, 100
1	1	1	1	1
J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN
Pest Type	W, Weed	W, Weed	W, Weed	
Pest Code	ECHCG	AMBTR	ECHCG	
Pest Name	common barnyard>	Giant ragweed	common barnyard>	
Crop Type, Code	C, ZEAMX	C, ZEAMX	C, ZEAMX	C, ZEAMX
Crop Name	Corn	Corn	Corn	Corn
Rating Date	Jun-24-2022	Jul-7-2022	Jul-7-2022	Oct-7-2022
Part Rated	PLANT, P	PLANT, P	PLANT, P	PLOT, C
Rating Type	CONTRO	CONTRO	CONTRO	YIELD
Rating Unit/Min/Max	% , 0, 100	% , 0, 100	% , 0, 100	lb/plot, -, -
Number of Subsamples	1	1	1	1
Assessed By	J. HAARMANN	J. HAARMANN	J. HAARMANN	J. HAARMANN
Data Entry Date	Jul-19-2022	Jul-19-2022	Jul-19-2022	Oct-19-2022
Rating Timing	A3	A4	A4	H1
Days After First/Last Applic.	42, 15	55, 28	55, 28	147, 120
Days After Emergence	36 DE-1	49 DE-1	49 DE-1	141 DE-1
ARM Action Codes				
Number of Decimals	0	0	0	
Trt Treatment	6	7	8	9
No. Name				
Rate				
Unit				
Code				
11 MAVERICK	98 a	98 a	94 ab	39.880 a
AATREX				
AMSOL				
MAVERICK				
AATREX				
ROUNDUP POWERMAX 3				
ACTIVATOR 90				
12 PERPETUO	100 a	100 a	98 a	36.758 abc
AATREX				
AMSOL				
MAVERICK				
ROUNDUP POWERMAX 3				
ACTIVATOR 90				
LSD P=.05	6.2	6.0	7.9	3.3821
Standard Deviation	4.3	4.2	5.5	2.3420
CV	4.44	4.34	5.84	6.4
Levene's F^	4.83*	7.123*	5.091*	1.49
Levene's Prob(F)	0.00*	0.00*	0.00*	0.187
Shapiro-Wilk^	0.9167*	0.9627	0.9389*	0.9581
P(Shapiro-Wilk)^	0.0037*	0.1637	0.0215*	0.1107
Skewness^	-0.4306	-0.0335	-0.2363	0.1649
P(Skewness)^	0.2504	0.9282	0.5259	0.6576
Kurtosis^	4.4201*	2.203*	2.8069*	1.5407*
P(Kurtosis)^	0.0*	0.004*	0.0004*	0.0395*
Replicate F	2.673	2.708	3.998	1.079
Replicate Prob(F)	0.0651	0.0628	0.0165	0.3730
Treatment F	3.319	5.309	3.638	2.197
Treatment Prob(F)	0.0052	0.0002	0.0029	0.0469

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 ^Calculated from residual.

## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

Pest Type			
Pest Code			
Pest Name			
Crop Type, Code		C, ZEAMX	
Crop Name		Corn	
Rating Date		Oct-7-2022	
Part Rated		PLOT, C	
Rating Type		YIELD	
Rating Unit/Min/Max		BU, 0, 300	
Number of Subsamples		1	
Assessed By		J. HAARMANN	
Data Entry Date			
Rating Timing		H1	
Days After First/Last Applic.		147, 120	
Days After Emergence		141 DE-1	
ARM Action Codes		TY1	
Number of Decimals		1	
Trt No.	Treatment Name	Rate Unit	Appl Code
1	NONTREATED		11
2	AMSOL	5.9 % v/v B	13.9
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	187.7 c
3	AMSOL	5.9 % v/v B	191.9 bc
	ACURON	3 pt/a B	
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	
4	AMSOL	5.9 % v/v B	199.4 bc
	HALEX GT	2 qt/a B	
	ACTIVATOR 90	0.25 % v/v B	
5	AMSOL	5.9 % v/v B	194.9 bc
	ARMEZON PRO	24 fl oz/a B	
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	
6	AMSOL	5.9 % v/v B	195.3 bc
	RESICORE	44 fl oz/a B	
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	
7	AMSOL	5.9 % v/v B	210.9 ab
	MAVERICK	14 fl oz/a B	
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	
8	AMSOL	5.9 % v/v B	192.3 bc
	MAVERICK	14 fl oz/a B	
	AATREX	1.5 pt/a B	
	ROUNDUP POWERMAX 3	30 fl oz/a B	
	ACTIVATOR 90	0.25 % v/v B	
9	ACURON	1.5 qt/a A	204.3 abc
	AMSOL	5.9 % v/v C	
	ACURON	1.5 qt/a C	
	ROUNDUP POWERMAX 3	30 fl oz/a C	
	ACTIVATOR 90	0.25 % v/v C	
10	MAVERICK	18 fl oz/a A	210.4 ab
	AMSOL	5.9 % v/v C	
	MAVERICK	14 fl oz/a C	
	ROUNDUP POWERMAX 3	30 fl oz/a C	
	ACTIVATOR 90	0.25 % v/v C	

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 Untreated treatment(s) 1 excluded from analysis.  
 Could not calculate LSD (% mean diff) for columns 1,4 because error mean square = 0.  
 ^Calculated from residual.

## Purdue University Weed Science

### Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

Pest Type			
Pest Code			
Pest Name			
Crop Type, Code		C, ZEAMX	
Crop Name		Corn	
Rating Date		Oct-7-2022	
Part Rated		PLOT, C	
Rating Type		YIELD	
Rating Unit/Min/Max		BU, 0, 300	
Number of Subsamples		1	
Assessed By		J. HAARMANN	
Data Entry Date			
Rating Timing		H1	
Days After First/Last Applic.		147, 120	
Days After Emergence		141 DE-1	
ARM Action Codes		TY1	
Number of Decimals		1	
Trt Treatment	Rate	Appl	11
No. Name	Rate Unit	Code	
11 MAVERICK	18 fl oz/a	A	220.1 a
AATREX	1 pt/a	A	
AMSOL	5.9 % v/v	C	
MAVERICK	14 fl oz/a	C	
AATREX	1 pt/a	C	
ROUNDUP POWERMAX 3	30 fl oz/a	C	
ACTIVATOR 90	0.25 % v/v	C	
12 PERPETUO	8 fl oz/a	A	200.0 bc
AATREX	2 pt/a	A	
AMSOL	5.9 % v/v	C	
MAVERICK	14 fl oz/a	C	
ROUNDUP POWERMAX 3	30 fl oz/a	C	
ACTIVATOR 90	0.25 % v/v	C	
LSD P=.05			19.09
Standard Deviation			13.22
CV			6.59
Levene's F^			1.803
Levene's Prob(F)			0.099
Shapiro-Wilk^			0.962
P(Shapiro-Wilk)^			0.1543
Skewness^			0.1579
P(Skewness)^			0.6712
Kurtosis^			1.4632*
P(Kurtosis)^			0.0499*
Replicate F			1.032
Replicate Prob(F)			0.3925
Treatment F			2.220
Treatment Prob(F)			0.0447

Means followed by same letter or symbol do not significantly differ (P=.05, LSD).  
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 Untreated treatment(s) 1 excluded from analysis.  
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 ^Calculated from residual.

# Purdue University Weed Science

## Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01      Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05      Project ID 2:      Project ID 3:  
 Study Director: Dr. Bill Johnson      Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

**Pest Type**  
 W, Weed = Weed or volunteer crop  
**Pest Code**  
 AMBTR, Ambrosia trifida, Giant ragweed = US  
 ECHCG, Echinochloa crus-galli, common barnyardgrass = US  
**Crop Type Code**  
 C = EPPO species (Bayer) codes  
 ZEAMX, BCOR, Zea mays, Corn = 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, 0, 300 = bushel  
**Rating Timing**  
 A1 = 1st Assessment According to Trial Schedule  
 A2 = 2nd Assessment According to trial Schedule  
 A3 = 3rd Assessment According to Trial Schedule  
 A4 = 4th Assessment According to Trial Schedule  
 H1 = 1st Harvest  
**ARM Action Codes**  
 TY1 = 5.76190476\*[9]\*(100-@MVA/GREP([10]))/84.5

Trt No.	Treatment Type Name	Form Conc	Form Unit	Form Type	Rate	Rate Unit	Appl Code	Rep 1	2	3	4	Notes
1	CHK NONTREATED							101	303	606	801	
2	ADJ AMSOL HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 4.8 100 %	LBA/GAL LBAE/GAL %	L SL L	5.9 % 30 fl oz/a 0.25 %	v/v B v/v	B	102	403	601	803	
3	ADJ AMSOL HERB ACURON HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 3.44 4.8 100 %	LBA/GAL LBA/GAL LBAE/GAL %	L SC SL L	5.9 % 3 pt/a 30 fl oz/a 0.25 %	v/v B a v/v	B	103	405	502	705	
4	ADJ AMSOL HERB HALEX GT ADJ ACTIVATOR 90	3.4 4.39 100 %	LBA/GAL LBA/GAL %	L CS L	5.9 % 2 qt/a 0.25 %	v/v B v/v	B	104	406	501	805	
5	ADJ AMSOL HERB ARMEZON PRO HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 5.35 4.8 100 %	LBA/GAL LBA/GAL LBAE/GAL %	L EC SL L	5.9 % 24 fl oz/a 30 fl oz/a 0.25 %	v/v B a v/v	B	105	305	506	703	
6	ADJ AMSOL HERB RESICORE HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 3.29 4.8 100 %	LBA/GAL LBA/GAL LBAE/GAL %	L SL SL L	5.9 % 44 fl oz/a 30 fl oz/a 0.25 %	v/v B a v/v	B	106	301	605	806	
7	ADJ AMSOL HERB MAVERICK HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 2.04 4.8 100 %	LBA/GAL LBA/GAL LBAE/GAL %	L SC SL L	5.9 % 14 fl oz/a 30 fl oz/a 0.25 %	v/v B a v/v	B	201	401	505	802	
8	ADJ AMSOL HERB MAVERICK HERB AATREX HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.4 2.04 4 4.8 100 %	LBA/GAL LBA/GAL LBA/GAL LBAE/GAL %	L SC SC SL L	5.9 % 14 fl oz/a 1.5 pt/a 30 fl oz/a 0.25 %	v/v B a a v/v	B	202	304	604	804	
9	HERB ACURON ADJ AMSOL HERB ACURON HERB ROUNDUP POWERMAX 3 ADJ ACTIVATOR 90	3.44 3.4 3.44 4.8 100 %	LBA/GAL LBA/GAL LBA/GAL LBAE/GAL %	SC L SC SL L	1.5 qt/a 5.9 % 1.5 qt/a 30 fl oz/a 0.25 %	A v/v a a v/v	C	203	306	602	704	

# Purdue University Weed Science

## Post and sequential weed control with Maverick

Trial ID: 22S-TPAC-CORN-01      Cooperator Trial ID:  
 Protocol ID: 22S-TPAC-CORN-01    Location: TPAC      Trial Year: 2022  
 Project ID: VUSA2022V10494MD68.05    Project ID 2:    Project ID 3:  
 Study Director: Dr. Bill Johnson    Sponsor Contact: Eric Ott - Valent  
 Investigator (Creator): Dr. Bill Johnson

Trt No.	Treatment Type Name	Form Conc Unit	Form Type	Rate Rate Unit	Appl Code	Rep 1	2	3	4	Notes
10	HERB MAVERICK	2.04 LBA/GAL	SC	18 fl oz/a	A	204	404	503	701	
	ADJ AMSOL	3.4 LBA/GAL	L	5.9 % v/v	C					
	HERB MAVERICK	2.04 LBA/GAL	SC	14 fl oz/a	C					
	HERB ROUNDUP POWERMAX 3	4.8 LBAE/GAL	SL	30 fl oz/a	C					
	ADJ ACTIVATOR 90	100 %	L	0.25 % v/v	C					
11	HERB MAVERICK	2.04 LBA/GAL	SC	18 fl oz/a	A	205	402	603	702	
	HERB AATREX	4 LBA/GAL	SC	1 pt/a	A					
	ADJ AMSOL	3.4 LBA/GAL	L	5.9 % v/v	C					
	HERB MAVERICK	2.04 LBA/GAL	SC	14 fl oz/a	C					
	HERB AATREX	4 LBA/GAL	SC	1 pt/a	C					
	HERB ROUNDUP POWERMAX 3	4.8 LBAE/GAL	SL	30 fl oz/a	C					
	ADJ ACTIVATOR 90	100 %	L	0.25 % v/v	C					
12	HERB PERPETUO	2.3 LBA/GAL	SC	8 fl oz/a	A	206	302	504	706	
	HERB AATREX	4 LBA/GAL	SC	2 pt/a	A					
	ADJ AMSOL	3.4 LBA/GAL	L	5.9 % v/v	C					
	HERB MAVERICK	2.04 LBA/GAL	SC	14 fl oz/a	C					
	HERB ROUNDUP POWERMAX 3	4.8 LBAE/GAL	SL	30 fl oz/a	C					
	ADJ ACTIVATOR 90	100 %	L	0.25 % v/v	C					

Sort Order: Replicate 1