

# Two-Pass Corn Herbicide Programs w/Maverick Janesville, WI 2024

## Trial Information

Trial Sponsor(s): Valent

Objective: Compare two-pass corn herbicide applications of Maverick to other competitor corn herbicides

Crop: Corn

Variety: NK9777-DV-EZ1

Weed species (pressure): giant ragweed (moderate-high)  
glyphosate-R waterhemp (moderate-high)

Herbicide Application(s): PRE – 5/13  
POST – 6/11 (V4 corn)

For the full report see trial #24-ROK-CN10 in the [2024 Wisconsin Weed Science Research Report](#)



**Cropping Systems Weed Science**  
UNIVERSITY OF WISCONSIN-MADISON



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Trt #	Herbicide (rate acre <sup>-1</sup> )	Giant Ragweed (%)				Waterhemp (%)			Giant Foxtail (%)				Yield <sup>b</sup> bu acre <sup>-1</sup>
		6/4	6/11	6/25	10/17	6/11	6/25	10/17	6/4	6/11	6/25	7/8	
1	Untreated Check	0	0	0	0	0	0	0	0	0	0	0	31 b
<b>Two-Pass – PRE (5/13) fb POST (6/11)</b>		<b>POST</b>				<b>POST</b>			<b>POST</b>				
2	Bicep II Magnum (1.8 qt) <b>fb</b> Halex GT (3.6 pt) + NIS (0.25%) + AMS (3 lb)	71	59	82	93	98	90	89	94	87	93	84	217 a
3	Bicep II Magnum (1.8 qt) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	63	39	89	94	100	90	90	95	93	97	98	218 a
4	Harness XTRA 5.6L (2 qt) <b>fb</b> Kyro (45 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	80	68	89	95	100	100	99	100	100	99	92	237 a
5	Harness XTRA 5.6L (2 qt) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	81	68	89	96	100	100	100	99	99	98	100	220 a
6	Verdict (12 oz) <b>fb</b> Armezon PRO (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	85	70	85	87	100	93	93	86	70	91	81	222 a
7	Verdict (12 oz) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	84	67	88	96	99	99	96	80	71	97	96	227 a
8	Resicore XL (1.4 qt) <b>fb</b> Resicore XL (1.4 qt) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	76	76	92	98	100	100	100	96	88	98	90	242 a
9	Acuron (1.5 qt) <b>fb</b> Acuron (1.5 qt) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	74	71	90	98	100	100	100	80	68	90	83	230 a
10	Maverick (18 oz) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	73	76	86	97	100	100	100	97	99	99	100	227 a
11	Maverick (18 oz) + AAtrex (1.5 pt) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	86	88	91	99	100	100	100	99	100	98	100	240 a
12	Maverick (18 oz) + Princep 4L (1.5 pt) <b>fb</b> Maverick (14 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	85	86	89	98	100	99	100	98	99	99	100	228 a
13	Maverick (24 oz) + AAtrex (1.5 pt) <b>fb</b> Status (5 oz) + Roundup PM3 (22 oz) + NIS (0.25%) + AMS (3 lb)	87	90	87	93	100	100	100	99	100	93	89	237 a
<b>LSD (<math>\alpha=0.10</math>)</b>		<b>8</b>	<b>9</b>	<b>4</b>	<b>3</b>	<b>ns</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>18</b>
<b>p value</b>		<b>&lt;.001</b>	<b>&lt;.001</b>	<b>0.014</b>	<b>&lt;.001</b>	<b>0.145</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>&lt;.001</b>

<sup>a</sup>Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

<sup>b</sup>Yield values with the same letter are not significantly different.

# Two-Pass Corn Herbicide Programs w/Maverick Janesville, WI 2024

Plot pictures taken on 6/4  
22 days after the PRE application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

22 days after PRE (6/4)  
Untreated Check

0%



22 days after PRE (6/4)  
PRE: 1.8 qt Bicep II Magnum

67%



22 days after PRE (6/4)  
PRE: 2 qt Harness XTRA 5.6L

81%



22 days after PRE (6/4)  
PRE: 12 oz Verdict

85%



22 days after PRE (6/4)  
PRE: 1.4 qt Resicore XL

76%





22 days after PRE (6/4)  
PRE: 1.5 qt Acuron

74%



22 days after PRE (6/4)  
PRE: 18 oz Maverick

73%



22 days after PRE (6/4)  
PRE: 18 oz Maverick + 1.5 pt AAtrex

86%



22 days after PRE (6/4)  
PRE: 18 oz Maverick + 1.5 pt Princep 4L

85%



22 days after PRE (6/4)  
PRE: 24 oz Maverick + 1.5 pt AAtrex

87%



# Two-Pass Corn Herbicide Programs w/Maverick Janesville, WI 2024

Plot pictures taken on 6/11  
29 days after the PRE application  
The day of the POST application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

**Waterhemp seedlings in the untreated check at POST application (6/11)**



29 days after PRE (6/11)  
Untreated Check

0%





29 days after PRE (6/11)  
PRE: 1.8 qt Bicep II Magnum

49%



29 days after PRE (6/11)  
PRE: 2 qt Harness XTRA 5.6L

68%



29 days after PRE (6/11)  
PRE: 12 oz Verdict

69%



29 days after PRE (6/11)  
PRE: 1.4 qt Resicore XL

76%



29 days after PRE (6/11)  
PRE: 1.5 qt Acuron

71%



29 days after PRE (6/11)  
PRE: 18 oz Maverick

76%



29 days after PRE (6/11)  
PRE: 18 oz Maverick + 1.5 pt AAtrex

88%



29 days after PRE (6/11)  
PRE: 18 oz Maverick + 1.5 pt Princep 4L

86%





29 days after PRE (6/11)  
PRE: 24 oz Maverick + 1.5 pt AAtrex

90%



# Two-Pass Corn Herbicide Programs w/Maverick Janesville, WI 2024

Plot pictures taken on 6/25

43 days after the PRE application  
14 days after the POST application

The number in the upper right-hand corner is the average % giant ragweed control of 4 replications

43 days after PRE (6/25)

0%

Untreated Check



14 days after POST (6/25)

PRE: 1.8 qt Bicep II Magnum *fb*

POST: 3.6 pt Halex GT + NIS + AMS

82%



14 days after POST (6/25)

PRE: 1.8 qt Bicep II Magnum *fb*

89%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 2 qt Harness XTRA 5.6L *fb*

89%

POST: 45 oz Kyro + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 2 qt Harness XTRA 5.6L *fb*

89%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 12 oz Verdict *fb*

85%

POST: 14 oz Armezon PRO + 22 oz Roundup PM3 + NIS + AMS





14 days after POST (6/25)

PRE: 12 oz Verdict *fb*

88%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 1.4 qt Resicore XL *fb*

POST: 1.4 qt Resicore XL + 22 oz Roundup PM3 + NIS + AMS

92%



14 days after POST (6/25)

PRE: 1.5 qt Acuron *fb*

POST: 1.5 qt Acuron+ 22 oz Roundup PM3 + NIS + AMS

90%



14 days after POST (6/25)

PRE: 18 oz Maverick *fb*

86%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 18 oz Maverick + 1.5 pt Aatrex *fb*

91%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 18 oz Maverick + 1.5 pt Princep 4L *fb*

89%

POST: 14 oz Maverick + 22 oz Roundup PM3 + NIS + AMS



14 days after POST (6/25)

PRE: 24 oz Maverick + 1.5 pt AAtrex *fb*

87%

POST: 5 oz Status + 22 oz Roundup PM3 + NIS + AMS

