

Weed Management in Short Statured Corn Janesville, WI 2024

Trial Information

Trial Sponsor(s): Bayer

Objective: Evaluate Bayer Crop Science corn herbicide recommendations in short statured corn

Crop: Corn

Hybrid: PR105-20SSC

Weed species (pressure): Giant ragweed (high-very high)

Herbicide Application(s): PRE – 5/6
POST – 6/6 (V4/V5 corn)

For the full report see trial #24-ROK-CN02 in the [2024 Wisconsin Weed Science Research Report](#)



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Trt #	Herbicide (rate acre ⁻¹)	Giant Ragweed (%)				Yield ^b bu acre ⁻¹
		5/28	6/6	6/21	10/18	
1	Untreated Check	0	0	0	0	3 e
One-Pass – PRE (5/6)						
2	Harness (2 pt) + AAtrex (2 pt)	79	82	58	11	18 e
3	TripleFlex II (3 pt) + AAtrex (2 pt)	88	88	71	23	41 d
4	Harness MAX (64 oz) + AAtrex (2 pt)	88	94	85	50	112 b
5	TriVolt (20 ox) + AAtrex (2 pt)	78	88	77	35	77 c
Two-Pass – PRE (5/6) <i>fb</i> POST (6/6)						
POST						
6	Harness (2 pt) + AAtrex (2 pt) <i>fb</i> Laudis (3 oz) + Roundup PM3 (30 oz) + MSO (1%) + AMSOL (2.5%)	81	77	93	88	229 a
7	TripleFlex II (1.5 pt) + AAtrex (2 pt) <i>fb</i> DiFlexx (8 oz) + Roundup PM3 (30 oz) + COC (1%) + Class Act Ridion (1%)	79	73	97	96	238 a
8	Harness MAX (55 oz) + AAtrex (2 pt) <i>fb</i> DiFlexx (8 oz) + Roundup PM3 (30 oz) + COC (1%) + Class Act Ridion (1%)	90	92	97	95	241 a
9	TriVolt (12 oz) + AAtrex (2 pt) <i>fb</i> DiFlexx (8 oz) + RU PM3 (30 oz) + Warrant (3 pt) + COC (1%) + Class Act Ridion (1%)	69	78	98	95	233 a
10	Verdict (16 oz) + AAtrex (2 pt) <i>fb</i> Status (5 oz) + Roundup PM3 (30 oz) + NIS (0.25%) + AMSOL (2.5%)	95	91	98	95	244 a
LSD ($\alpha=0.10$)		7	7	4	11	22
p value		<.001	<.001	<.001	<.001	<.001

^aVisual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

^bYield values with the same letter are not significantly different.

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Plot pictures taken on 5/28
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 (5/28)

0%

Untreated Check



22 days after PRE (5/28)
PRE: 2 pt Harness + 2 pt Aatrex

80%



22 days after PRE (5/28)
PRE: 3 pt TripleFlex II + 2 pt Aatrex

88%



22 days after PRE (5/28)

PRE: 64 oz Harness MAX + 2 pt Aatrex

88%



22 days after PRE (5/28)
PRE: 20 oz TriVolt + 2 pt Aatrex

78%



22 days after PRE (5/28)

PRE: 1.5 pt TripleFlex II + 2 pt Aatrex

79%



22 days after PRE (5/28)

PRE: 55 oz Harness MAX + 2 pt Aatrex

90%



22 days after PRE (5/28)
PRE: 12 oz TriVolt + 2 pt Aatrex

69%



22 days after PRE (5/28)
PRE: 16 oz Verdict + 2 pt Aatrex

95%



Weed Management in Short Statured Corn Janesville, WI 2024

Plot pictures taken on 6/6
31 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

31 days after PRE (6/6)
Untreated Check

0%



31 days after PRE (6/6)
PRE: 2 pt Harness + 2 pt Aatrex

80%



31 days after PRE (6/6)
PRE: 3 pt TripleFlex II + 2 pt Aatrex

88%



31 days after PRE (6/6)
PRE: 64 oz Harness MAX + 2 pt Aatrex

94%



31 days after PRE (6/6)
PRE: 20 oz TriVolt + 2 pt Aatrex

88%



31 days after PRE (6/6)

PRE: 1.5 pt TripleFlex II + 2 pt Aatrex

73%



31 days after PRE (6/6)
PRE: 55 oz Harness MAX + 2 pt Aatrex

92%



31 days after PRE (6/6)
PRE: 12 oz TriVolt + 2 pt Aatrex

78%



31 days after PRE (6/6)
PRE: 16 oz Verdict + 2 pt Aatrex

91%



Weed Management in Short Statured Corn Janesville, WI 2024

Plot pictures taken on 6/21

46 days after the PRE application
15 days after the POST application

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

46 days after PRE (6/21)
Untreated Check

0%



46 days after PRE (6/21)
PRE: 2 pt Harness + 2 pt Aatrex

58%



46 days after PRE (6/21)
PRE: 3 pt TripleFlex II + 2 pt Aatrex

71%



46 days after PRE (6/21)
PRE: 64 oz Harness MAX + 2 pt Aatrex

85%



46 days after PRE (6/21)
PRE: 20 oz TriVolt + 2 pt Aatrex

77%



15 days after POST (6/21)

PRE: 2 pt Harness + 2 pt Aatrex *fb*

93%

POST: 3 oz Laudis + 30 oz Roundup PM3 + MSO + AMS



15 days after POST (6/21)

PRE: 1.5 pt TripleFlex II + 2 pt Aatrex *fb*

97%

POST: 8 oz DiFlexx + 30 oz Roundup PM3 + COC + Class Act Ridion



15 days after POST (6/21)

PRE: 55 oz Harness MAX + 2 pt Aatrex *fb*

97%

POST: 8 oz DiFlexx + 30 oz Roundup PM3 + COC + Class Act Ridion



15 days after POST (6/21)

PRE: 12 oz TriVolt + 2 pt Aatrex *fb*

98%

POST: 8 oz DiFlexx + 30 oz RU PM3 + 3 pt Warrant + COC + Class Act Ridion



15 days after POST (6/21)

PRE: 16 oz Verdict + 2 pt Aatrex *fb*

98%

POST: 5 oz Status + 30 oz Roundup PM3 + NIS + AMS

