Corn Herbicide Showcase with Atrazine
Janesville, WI 2025

Trial Information

Trial Sponsor(s):	Albaugh, BASF, Bayer, Corteva, Syngenta
Objective:	Evaluate multiple 1- and 2-pass corn herbicide programs containing atrazine for giant ragweed control and crop safety
Crop:	Corn
Hybrid:	DKC 104-14RIB
Weed species (pressure):	Giant ragweed (high-very high)
Herbicide Application(s):	PRE – 5/7 VEPOST – 5/23 (V1 corn) EPOST - 5/29 (V2 corn) POST – 6/5 (V3/V4 corn)

For the full report see trial #25-ROK-CN02 in the 2025 Wisconsin Weed Science Research Report

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Trt #	Herbicide (rate acre^{-1})	Giant Ragweed (%) 5/27	6/4	6/19	10/16	Yield[b] bu acre^{-1}
1, 22	Untreated Check	0	0	0	0	20 d
One-Pass – PRE (5/7)						
2	TriVolt (20 oz) + AAtrex (2 pt)	55	81	75	49	119 c
3	Resicore REV (2.25 qt) + AAtrex (2 pt)	78	88	81	56	160 b
One-Pass – EPOST (5/29)		**EPOST**				
4	Harness MAX (64 fl oz) + AAtrex (2 pt) + Roundup PM3 (30 oz) + NIS (0.25%)+ AMS[c]	0	97	98	93	249 a
5	Priority S MA (3 qt) + Roundup PM3 (30 oz) + NIS (0.25% v/v) + AMS[c]	0	97	98	94	231 a
6	Priority MA (3 qt) + Roundup PM3 (30 oz) + NIS (0.25% v/v) + AMS[c]	0	96	97	94	245 a
7	Lexar EZ (3 qt) + Roundup PM3 (30 oz) + NIS (0.25% v/v) + AMS[c]	0	97	99	98	245 a
Two-Pass – PRE (5/7) *fb* POST (6/5)		**POST**				
8	Storen (1.75 qt) + AAtrex (1 pt) ***fb*** Halex GT (3.6 pt) + AAtrex (1 pt) + Clarity (4 oz) + NIS (0.25% v/v) + AMS (2 lb)	63	82	99	99	247 a
9	Callisto (3 oz) + AAtrex (1 pt) ***fb*** Acuron GT (3.75 pt) + AAtrex (1 pt) + NIS (0.25% v/v) + AMS (2 lb)	55	58	97	98	240 a
10	Callisto (3 oz) + AAtrex (1 pt) ***fb*** Acuron GT (3.75 pt) + Moxy 2E (1 pt) + NIS (0.25% v/v) + AMS (2 lb)	46	35	96	94	244 a
11	Acuron (1.5 qt) ***fb*** Acuron (1.5 qt) + Clarity (4 oz) + Roundup PM3 (28 oz) + AMS (2 lb)	60	73	98	99	250 a
12	Harness (2 pt) + AAtrex (2 pt) ***fb*** Laudis (3 oz) + DiFlexx (8 oz) + RU PM3 (30 oz) + MSO (1%) + Class Act Ridion (1%)	81	74	95	87	231 a
13	TripleFlex II (1.5 pt) + AAtrex (2 pt) ***fb*** DiFlexx (8 oz) + Roundup PM3 (30 oz) + COC (1% v/v) + Class Act Ridion (1% v/v)	64	79	95	83	231 a
14	Harness MAX (55 oz) + AAtrex (2 pt) ***fb*** Laudis (3 oz) + DiFlexx (8 oz) + RU PM3 (30 oz) + MSO (1%) + Class Act Ridion (1%)	69	88	94	89	236 a
15	TriVolt (12 oz) + AAtrex (2 pt) ***fb*** DiFlexx (8 oz) + RU PM3 (30 oz) + Warrant (3 pt) + COC (1%) + Class Act Ridion (1%)	46	64	97	94	239 a
16	Resicore REV (2.25 qt) + AAtrex (2 pt) ***fb*** Roundup PowerMAX3 (30 oz) + COC (1% v/v) + AMS[c]	83	90	96	88	244 a
17	Resicore REV (1.4 qt) ***fb*** Kyro (45 oz) + AAtrex (1 pt) + Roundup PM3 (30 oz) + COC (1% v/v) + AMS[c]	56	70	94	90	243 a
18	Surestart II (2 pt) ***fb*** Kyro (45 oz) + AAtrex (1 pt) + Roundup PM3 (30 oz) + COC (1% v/v) + AMS[c]	66	82	95	90	243 a
19	Resicore REV (1.4 qt) ***fb*** Resicore REV (1.4 qt) + AAtrex (1 pt) + Roundup PM3 (30 oz) + COC (1% v/v) + AMS[c]	65	78	96	94	240 a
20	Verdict (12 oz) + Callisto (3 oz) + AAtrex (1 pt) ***fb*** Armezon PRO (16 oz) + AAtrex (1 pt) + Roundup PM3 (15 oz) + COC (1% v/v)+ AMS[c]	74	76	98	94	241 a
Two-Pass – VEPOST (5/23) *fb* POST (6/5)		**POST**				
21	Surtain (14 oz) + Callisto (3 oz) + AAtrex (1 pt) + Roundup PM3 (30 oz) ***fb*** Armezon PRO (16 oz) + AAtrex (1 pt) + Roundup PM3 (15 oz) + COC (1% v/v)+ AMS[c]	97	93	94	83	235 a
	LSD (α=0.10)	**14**	**13**	**3**	**8**	**27**
	p value	**<.001**	**<.001**	**<.001**	**<.001**	**<0.001**

[a]Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.
[b]Yield values with the same letter are not significantly different.
[c]Liquid AMS (AMSOL) applied at 2.5% v/v

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Plot pictures taken on 5/29

22 days after the PRE application

6 days after the VEPOST application

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

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22 days after PRE (5/29)
Untreated Check

0%

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22 days after PRE (5/29)
PRE: 20 oz TriVolt + 2 pt atrazine

55%

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22 days after PRE (5/29)
PRE: 2.25 qt Resicore REV + 2 pt atrazine

78%

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22 days after PRE (5/29)
PRE: 1.75 qt Storen + 1 pt atrazine

63%

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22 days after PRE (5/29)
PRE: 3 fl oz Callisto + 1 pt atrazine

51%

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22 days after PRE (5/29)
PRE: 1.5 qt Acuron

60%

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22 days after PRE (5/29)
PRE: 2 pt Harness + 2 pt atrazine

81%

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22 days after PRE (5/29)
PRE: 1.5 pt TripleFlex II + 2 pt atrazine

64%

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22 days after PRE (5/29)
PRE: 55 oz Harness MAX + 2 pt atrazine

69%

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22 days after PRE (5/29)
PRE: 12 oz TriVolt + 2 pt atrazine

46%

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22 days after PRE (5/29)
PRE: 2.25 qt Resicore REV + 2 pt atrazine

83%

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22 days after PRE (5/29)
PRE: 1.4 qt Resicore REV

61%

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22 days after PRE (5/29)
PRE: 2 pt SureStart II

66%

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22 days after PRE (5/29)
PRE: 12 oz Verdict + 3 oz Callisto + 1 pt atrazine

74%

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6 days after VEPOST (5/29)
VEPOST: 14 oz Surtain + 3 oz Callisto + 1 pt atrazine + 30 oz Roundup

97%

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Plot pictures taken on 6/4

28 days after the PRE application

12 days after the VEPOST application

6 days after the EPOST application

The day of the POST application

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

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22 days after PRE (5/29)
Untreated Check

0%

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28 days after PRE (6/4)
PRE: 20 oz TriVolt + 2 pt atrazine

81%

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28 days after PRE (6/4)
PRE: 2.25 qt Resicore REV + 2 pt atrazine

88%

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6 days after EPOST (6/4)

EPOST: 64 oz Harness MAX + 2 pt atrazine + 30 oz Roundup + NIS + AMS

97%

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6 days after EPOST (6/4)
EPOST: 3 qt Priority S MA + 30 oz Roundup + NIS + AMS

97%

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6 days after EPOST (6/4)
EPOST: 3 qt Priority MA + 30 oz Roundup + NIS + AMS

96%

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6 days after EPOST (6/4)
EPOST: 3 qt Lexar EZ + 30 oz Roundup + NIS + AMS

97%

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28 days after PRE (6/4)
PRE: 1.75 qt Storen + 1 pt atrazine

82%

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28 days after PRE (6/4)
PRE: 3 fl oz Callisto + 1 pt atrazine

47%

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

73%

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28 days after PRE (6/4)
PRE: 2 pt Harness + 2 pt atrazine

74%

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28 days after PRE (6/4)
PRE: 1.5 pt TripleFlex II + 2 pt atrazine

79%

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28 days after PRE (6/4)
PRE: 55 oz Harness MAX + 2 pt atrazine

88%

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28 days after PRE (6/4)
PRE: 12 oz TriVolt + 2 pt atrazine

64%

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28 days after PRE (6/4)
PRE: 2.25 qt Resicore REV + 2 pt atrazine

90%

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28 days after PRE (6/4)
PRE: 1.4 qt Resicore REV

74%

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28 days after PRE (6/4)
PRE: 2 pt SureStart II

82%

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28 days after PRE (6/4)
PRE: 12 oz Verdict + 3 oz Callisto + 1 pt atrazine

76%

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12 days after VEPOST (6/4)
VEPOST: 14 oz Surtain + 3 oz Callisto + 1 pt atrazine + 30 oz Roundup

93%

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Plot pictures taken on 6/19

43 days after the PRE application

21 days after the EPOST application

14 days after the POST application

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

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43 days after PRE (6/19)
Untreated Check

0%

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43 days after PRE (6/19)
PRE: 20 oz TriVolt + 2 pt atrazine

75%

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43 days after PRE (6/19)
PRE: 2.25 qt Resicore REV + 2 pt atrazine

81%

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21 days after EPOST (6/19)
EPOST: 64 oz Harness MAX + 2 pt atrazine + 30 oz Roundup + NIS + AMS

98%

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21 days after EPOST (6/19)
EPOST: 3 qt Priority S MA + 30 oz Roundup + NIS + AMS

98%

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21 days after EPOST (6/19)
EPOST: 3 qt Priority MA + 30 oz Roundup + NIS + AMS

97%

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21 days after EPOST (6/19)
EPOST: 3 qt Lexar EZ + 30 oz Roundup + NIS + AMS

99%

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14 days after POST (6/19)

PRE: 1.75 qt Storen + 1 pt atrazine *fb* **99%**

POST: 3.6 pt Halex GT + 1 pt atrazine + 4 oz Clarity + NIS + AMS

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14 days after POST (6/19)

PRE: 3 fl oz Callisto + 1 pt atrazine *fb* **97%**

POST: 3.75 pt Acuron GT + 1 pt atrazine + NIS + AMS

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14 days after POST (6/19)

PRE: 3 fl oz Callisto + 1 pt atrazine *fb* **96%**

POST: 3.75 pt Acuron GT + 1 pt Moxy 2E + NIS + AMS

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14 days after POST (6/19)
PRE: 1.5 qt Acuron *fb* **98%**
POST: 1.5 qt Acuron + 4 oz Clarity + 28 oz Roundup + AMS

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14 days after POST (6/19)

PRE: 2 pt Harness + 2 pt atrazine *fb* **95%**

POST: 3 oz Laudis + 8 oz DiFlexx + 30 oz Roundup + MSO + Class Act Ridion

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14 days after POST (6/19)

PRE: 1.5 pt TripleFlex II + 2 pt atrazine *fb* **95%**

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

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14 days after POST (6/19)

PRE: 55 oz Harness MAX + 2 pt atrazine *fb* **94%**

POST: 3 oz Laudis + 8 oz DiFlexx + 30 oz Roundup + MSO + Class Act Ridion

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14 days after POST (6/19)

PRE: 12 oz TriVolt + 2 pt atrazine *fb* **97%**

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

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14 days after POST (6/19)

PRE: 2.25 qt Resicore REV + 2 pt atrazine *fb* **96%**

POST: 30 oz Roundup + COC + AMS

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14 days after POST (6/19)

PRE: 1.4 qt Resicore REV *fb* **94%**

POST: 45 oz Kyro + 1 pt atrazine + 30 oz Roundup + COC + AMS

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14 days after POST (6/19)
PRE: 2 pt SureStart II *fb* **95%**
POST: 45 oz Kyro + 1 pt atrazine + 30 oz Roundup + COC + AMS

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14 days after POST (6/19)

PRE: 1.4 qt Resicore REV *fb* **96%**

POST: 1.4 qt Resicore REV + 1 pt atrazine + 30 oz Roundup + COC + AMS

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14 days after POST (6/19)

PRE: 12 oz Verdict + 3 oz Callisto + 1 pt atrazine *fb* **98%**

POST: 16 oz Armezon PRO + 1 pt atrazine + 15 oz Roundup + COC + AMS

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14 days after POST (6/19)

VEPOST: 14 oz Surtain + 3 oz Callisto + 1 pt atrazine + 30 oz Roundup *fb* **94%**

POST: 16 oz Armezon PRO + 1 pt atrazine + 15 oz Roundup + COC + AMS

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