

# Corn Herbicide Showcase: No Atrazine Arlington, WI 2025

## Trial Information

Trial Sponsor(s): Albaugh, BASF, Bayer, Corteva

Objective: Evaluate multiple 1- and 2-pass corn herbicide programs without atrazine for weed control and crop safety

Crop: Corn

Hybrid: G97B68-DV-EZ1

Weed species (pressure): common ragweed (high)  
giant foxtail (high-very high)  
woolly cupgrass (moderate)  
common lambsquarters (low-moderate)

Herbicide Application(s): PRE – 5/5  
EPOST – 6/2 (V2 corn)  
POST – 6/17 (V5 corn)

For the full report see trial #25-ARL-CN01 in the [2025 Wisconsin Weed Science Research Report](#)



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



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Trt #	Herbicide (rate acre <sup>-1</sup> )	Common Ragweed (%)				Annual Grasses (%)				Yield <sup>b</sup> bu acre <sup>-1</sup>
		5/30	6/17	6/30	10/9	5/30	6/17	6/30	10/9	
1	Untreated Check	0	0	0	0	0	0	0	0	108 b
<b>One-Pass – PRE (5/5)</b>										
2	TriVolt (20 oz) + Princep 4L (1 qt)	99	98	98	98	99	99	98	95	218 a
<b>One-Pass – EPOST (6/2)</b>										
EPOST										
3	Harness MAX (55 oz) + Roundup PM3 (30 oz) + NIS (0.25%) + AMSOL (2.5%)	0	99	99	99	0	100	99	96	219 a
4	Resicore REV (2.25 qt) + Roundup PM3 (30 oz) + NIS (0.25%) + AMSOL (2.5%)	0	99	99	99	0	100	99	97	214 a
<b>Two-Pass – PRE (5/5) fb POST (6/17)</b>										
POST										
5	Priority S Meso (2 qt) <i>fb</i> GlyStar 5 Extra (36 oz) + NIS (0.25%) + AMSOL (2.5%)	93	84	98	99	93	90	100	99	214 a
6	Priority Meso (2 qt) <i>fb</i> GlyStar 5 Extra (36 oz) + NIS (0.25%) + AMSOL (2.5%)	95	86	97	100	89	85	99	99	214 a
7	Acuron Flexi (2 qt) <i>fb</i> Roundup PM3 (30 oz) + AMSOL (2.5%)	98	98	99	100	95	95	100	100	204 a
8	TriVolt (12 oz) <i>fb</i> DiFlexx (8 oz) + Roundup PM3 (30 oz) + Warrant (3 pt) + COC (1%) + Class Act Ridion (1%)	94	88	99	99	96	94	100	100	217 a
9	Harness (2 pt) <i>fb</i> Laudis (3 oz) + DiFlexx (8 oz) + Roundup PM3 (30 oz) + MSO (1%) + Class Act Ridion (1%)	93	71	100	100	98	98	100	99	206 a
10	Surtain (14 fl oz) <i>fb</i> Roundup PM3 (30 fl oz) + Status (5 oz) + Zidua SC (2.5 fl oz) + COC (1%) + AMSOL (2.5%)	88	71	100	100	91	88	100	100	203 a
LSD ( $\alpha=0.10$ )		6	10	1	ns	5	6	ns	1	23
p value		0.055	<.001	0.016	0.765	<.001	<.001	0.106	<.001	<0.001

<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.

# Corn Herbicide Showcase: No Atrazine Arlington, WI 2025

Plot pictures taken on 5/30  
25 days after the PRE application

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

25 days after PRE (5/30)  
Untreated Check

0%



25 days after PRE (5/30)  
PRE: 20 fl oz TriVolt + 1 qt Princep 4L

C. Ragweed = 99%  
Grasses = 99%



25 days after PRE (5/30)  
PRE: 2 qt Priority S Meso

C. Ragweed = 93%  
Grasses = 93%



25 days after PRE (5/30)  
PRE: 2 qt Priority Meso

C. Ragweed = 95%  
Grasses = 89%



25 days after PRE (5/30)  
PRE: 2 qt Acuron Flexi

C. Ragweed = 98%  
Grasses = 95%



25 days after PRE (5/30)  
PRE: 12 fl oz TriVolt

C. Ragweed = 94%  
Grasses = 96%



25 days after PRE (5/30)  
PRE: 2 pt Harness

C. Ragweed = 93%  
Grasses = 98%



25 days after PRE (5/30)  
PRE: 14 fl oz Surtain

C. Ragweed = 88%  
Grasses = 91%



# Corn Herbicide Showcase: No Atrazine Arlington, WI 2025

Plot pictures taken on 6/17

43 days after the PRE application

15 days after the EPOST application

The day of the POST application

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

43 days after PRE (6/17)  
Untreated Check

0%



43 days after PRE (6/17)  
PRE: 20 fl oz TriVolt + 1 qt Princep 4L

C. Ragweed = 98%  
Grasses = 99%



15 days after EPOST (6/17)

EPOST: 55 oz Harness MAX + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 100%



15 days after EPOST (6/17)

EPOST: 2.25 qt Resicore REV + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 100%



43 days after PRE (6/17)  
PRE: 2 qt Priority S Meso

C. Ragweed = 84%  
Grasses = 90%



43 days after PRE (6/17)  
PRE: 2 qt Priority Meso

C. Ragweed = 86%  
Grasses = 85%



43 days after PRE (6/17)  
PRE: 2 qt Acuron Flexi

C. Ragweed = 98%  
Grasses = 95%



43 days after PRE (6/17)  
PRE: 12 fl oz TriVolt

C. Ragweed = 88%  
Grasses = 94%



43 days after PRE (6/17)  
PRE: 2 pt Harness

C. Ragweed = 71%  
Grasses = 98%



43 days after PRE (6/17)

PRE: 14 fl oz Surtain

C. Ragweed = 71%

Grasses = 88%



# Corn Herbicide Showcase: No Atrazine Arlington, WI 2025

Plot pictures taken on 6/30

58 days after the PRE application

28 days after the EPOST application

13 days after the POST application

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

58 days after PRE (6/30)  
Untreated Check

0%



58 days after PRE (6/30)  
PRE: 20 fl oz TriVolt + 1 qt Princep 4L

C. Ragweed = 98%  
Grasses = 98%



28 days after EPOST (6/30)

EPOST: 55 oz Harness MAX + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 99%



28 days after EPOST (6/30)

EPOST: 2.25 qt Resicore REV + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 99%



13 days after POST (6/30)  
PRE: 2 qt Priority S Meso *fb*  
POST: 36 oz GlyStar 5 Extra + NIS + AMS

C. Ragweed = 98%  
Grasses = 100%



13 days after POST (6/30)  
PRE: 2 qt Priority Meso *fb*  
POST: 36 oz GlyStar 5 Extra + NIS + AMS

C. Ragweed = 97%  
Grasses = 99%



13 days after POST (6/30)

PRE: 2 qt Acuron Flexi *fb*

POST: 30 oz Roundup PowerMAX3 + AMS

C. Ragweed = 99%

Grasses = 100%



13 days after POST (6/30)

PRE: 12 fl oz TriVolt *fb*

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

C. Ragweed = 99%

Grasses = 100%



13 days after POST (6/30)

PRE: 2 pt Harness *fb*

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

C. Ragweed = 100%

Grasses = 100%



13 days after POST (6/30)

PRE: 14 fl oz Surtain *fb*

POST: 30 oz Roundup + 5 oz Status + 2.5 oz Zidua SC + COC + AMS

C. Ragweed = 100%

Grasses = 100%



# Corn Herbicide Showcase: No Atrazine Arlington, WI 2025

Plot pictures taken on 10/9  
2 weeks before corn harvest

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



**Corn Harvest (10/9)**  
**PRE: 20 fl oz TriVolt + 1 qt Princep 4L**

**C. Ragweed = 98%**  
**Grasses = 95%**



Corn Harvest (10/9)

EPOST: 55 oz Harness MAX + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 96%



Corn Harvest (10/9)

EPOST: 2.25 qt Resicore REV + 30 oz Roundup + NIS + AMS

C. Ragweed = 99%

Grasses = 97%



Corn Harvest (10/9)

PRE: 2 qt Priority S Meso *fb*

POST: 36 oz GlyStar 5 Extra + NIS + AMS

C. Ragweed = 99%

Grasses = 99%



Corn Harvest (10/9)

PRE: 2 qt Priority Meso *fb*

POST: 36 oz GlyStar 5 Extra + NIS + AMS

C. Ragweed = 100%

Grasses = 99%



Corn Harvest (10/9)

PRE: 2 qt Acuron Flexi *fb*

POST: 30 oz Roundup PowerMAX3 + AMS

C. Ragweed = 100%

Grasses = 100%



**Corn Harvest (10/9)**

**PRE: 12 fl oz TriVolt *fb***

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

**C. Ragweed = 99%**

**Grasses = 100%**



Corn Harvest (10/9)

PRE: 2 pt Harness *fb*

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

C. Ragweed = 100%

Grasses = 99%



**Corn Harvest (10/9)**

**PRE: 14 fl oz Surtain *fb***

**POST: 30 oz Roundup + 5 oz Status + 2.5 oz Zidua SC + COC + AMS**

**C. Ragweed = 100%**

**Grasses = 100%**

