

# EPOST Applications of Surtain vs Competitors Janesville, WI 2025

## Trial Information

Trial Sponsor(s): BASF

Objective: Evaluate weed control and crop safety of EPOST applications of **\*Surtain**

Crop: Corn

Variety: DKC104-14 RIB

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

Herbicide Application(s): EPOST – 5/23 (V1 corn)

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For the full report see trial #25-ROK-CN05 in the [2025 Wisconsin Weed Science Research Report](#)

**\*Surtain** is a new corn herbicide pre-mix, developed by BASF, containing encapsulated saflufenacil (Sharpen) and pyroxasulfone (Zidua).

The BASF logo consists of a white square with a smaller white square inside it, followed by a white square and the letters "BASF" in a bold, white, sans-serif font.

We create chemistry

# EPOST Applications of Surtain vs Competitors

## Janesville, WI 2025

Trt #	Herbicide (rate acre <sup>-1</sup> )	Corn Injury <sup>b</sup> (%)		Giant Ragweed (%)			
		4 DAT	13 DAT	13 DAT	27 DAT	35 DAT	53 DAT
1	Untreated Check	0	0	0	0	0	0
<b>One-Pass – EPOST (5/23)</b>							
2	Surtain (14 fl oz) + Clarity (8 fl oz) + Roundup PM3 (30 fl oz) + NIS (0.25%) + AMS <sup>c</sup>	3.5	2.5	76	61	50	41
3	Surtain (14 fl oz) + AAtrex (2 pt) + Clarity (8 fl oz) + RU PM3 (30 fl oz) + NIS (0.25%) + AMS <sup>c</sup>	6.8	3.8	76	76	74	63
4	Surtain (14 fl oz) + AAtrex (2 pt) + Callisto (3 fl oz) + RU PM3 (30 fl oz) + NIS (0.25%) + AMS <sup>c</sup>	4.3	3.5	73	86	77	70
5	Surtain (14 oz) + AAtrex (2 pt) + Armezon (0.75 oz) + RU PM3 (30 oz) + COC (1%) + AMS <sup>c</sup>	8.5	8.5	73	61	43	30
6	Surtain (14 oz) + AAtrex (2 pt) + Laudis (3 oz) + RU PM3 (30 oz) + COC (1%) + AMS <sup>c</sup>	6.3	5.5	75	75	60	48
7	Armezon PRO (20 fl oz) + AAtrex (2 pt) + Roundup PM3 (30 fl oz) + COC (1%) + AMS <sup>c</sup>	8.3	6.0	73	61	43	26
8	Acuron GT (3.75 pt) + AAtrex (2 pt) + NIS (0.25%) + AMS <sup>c</sup>	4.8	3.8	73	94	90	87
9	Resicore REV (1.88 qt) + AAtrex (2 pt) + Roundup PM3 (30 fl oz) + NIS (0.25%) + AMS <sup>c</sup>	5.8	4.0	76	91	87	83
	<b>LSD (<math>\alpha=0.10</math>)</b>	<b>0.8</b>	<b>1.7</b>	<b>ns</b>	<b>4</b>	<b>7</b>	<b>4</b>
	<b>p value</b>	<b>&lt;.001</b>	<b>&lt;.001</b>	<b>0.143</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>Corn injury = % leaf necrosis (burn)

<sup>c</sup>Dry AMS applied at 8.5 lb/100 gal

# EPOST Applications of Surtain vs Competitors Janesville, WI 2025

Plot pictures taken on 6/5  
13 days after the EPOST application

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

13 days after EPOST (6/5)  
Untreated Check

0%



13 days after EPOST (6/5)

EPOST: 14 oz Surtain + 8 oz Clarity + 30 oz Roundup + NIS + AMS

76%



13 days after EPOST (6/5)

EPOST: 14 oz Surtain + 2 pt ATZ + 8 oz Clarity + 30 oz Roundup + NIS + AMS

76%



13 days after EPOST (6/5)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Callisto + 30 oz Roundup + NIS + AMS

73%



13 days after EPOST (6/5)

EPOST: 14 oz Surtain +2 pt ATZ +1 oz Armezon +30 oz Roundup +COC +AMS

73%



13 days after EPOST (6/5)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Laudis + 30 oz Roundup + COC + AMS

75%



13 days after EPOST (6/5)

EPOST: 20 oz Armezon PRO + 2 pt atrazine + 30 oz Roundup + COC + AMS

73%



13 days after EPOST (6/5)

EPOST: 3.75 pt Acuron GT + 2 pt atrazine + NIS + AMS

73%



13 days after EPOST (6/5)

EPOST: 3.75 pt Resicore REV + 2 pt atrazine + 30 oz Roundup + NIS + AMS

76%



# EPOST Applications of Surtain vs Competitors Janesville, WI 2025

Plot pictures taken on 6/19  
27 days after the EPOST application

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

27 days after EPOST (6/19)

0%

Untreated Check



27 days after EPOST (6/19)

EPOST: 14 oz Surtain + 8 oz Clarity + 30 oz Roundup + NIS + AMS

61%



27 days after EPOST (6/19)

EPOST: 14 oz Surtain + 2 pt ATZ + 8 oz Clarity + 30 oz Roundup + NIS + AMS

76%



27 days after EPOST (6/19)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Callisto + 30 oz Roundup + NIS + AMS

86%



27 days after EPOST (6/19)

EPOST: 14 oz Surtain +2 pt ATZ +1 oz Armezon +30 oz Roundup +COC +AMS

61%



27 days after EPOST (6/19)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Laudis + 30 oz Roundup + COC + AMS

75%



27 days after EPOST (6/19)

EPOST: 20 oz Armezon PRO + 2 pt atrazine + 30 oz Roundup + COC + AMS

61%



27 days after EPOST (6/19)

EPOST: 3.75 pt Acuron GT + 2 pt atrazine + NIS + AMS

94%



27 days after EPOST (6/19)

EPOST: 3.75 pt Resicore REV + 2 pt atrazine + 30 oz Roundup + NIS + AMS

91%



# EPOST Applications of Surtain vs Competitors Janesville, WI 2025

Plot pictures taken on 6/27  
35 days after the EPOST application

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

35 days after EPOST (6/27)

0%

Untreated Check



35 days after EPOST (6/27)

EPOST: 14 oz Surtain + 8 oz Clarity + 30 oz Roundup + NIS + AMS

50%



35 days after EPOST (6/27)

EPOST: 14 oz Surtain + 2 pt ATZ + 8 oz Clarity + 30 oz Roundup + NIS + AMS

74%



35 days after EPOST (6/27)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Callisto + 30 oz Roundup + NIS + AMS

77%



35 days after EPOST (6/27)

EPOST: 14 oz Surtain +2 pt ATZ +1 oz Armezon +30 oz Roundup +COC +AMS

43%



35 days after EPOST (6/27)

EPOST: 14 oz Surtain + 2 pt ATZ + 3 oz Laudis + 30 oz Roundup + COC + AMS 60%



35 days after EPOST (6/27)

EPOST: 20 oz Armezon PRO + 2 pt atrazine + 30 oz Roundup + COC + AMS

43%



35 days after EPOST (6/27)

EPOST: 3.75 pt Acuron GT + 2 pt atrazine + NIS + AMS

90%



35 days after EPOST (6/27)

EPOST: 3.75 pt Resicore REV + 2 pt atrazine + 30 oz Roundup + NIS + AMS

87%

