

PRE Applications of Surtain vs Competitors Janesville, WI 2025

Trial Information

Trial Sponsor(s): BASF

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

Crop: Corn

Variety: DKC104-14 RIB

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

Herbicide Application(s): PRE – 5/7

*Trial was “reset” on 5/19 with an application of 30 fl oz/a Roundup PowerMAX3 + AMS to eliminate all giant ragweed seedlings that had emerged prior to an activating rainfall. The first significant rainfall event did not occur until 5/20; 0.92 in.

For the full report see trial #25-ROK-CN04 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).



BASF
We create chemistry

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Trt # Herbicide (rate acre ⁻¹)	Giant Ragweed (%)				
	5/27	6/4	6/10	6/19	7/2
1 Untreated Check	0	0	0	0	0
One-Pass – PRE (5/7); Trial Reset* – 5/19					
2 Acuron (1.88 qt) + AAtrex (1 pt)	95	93	94	91	85
3 Resicore (1.88 qt) + AAtrex (2 pt)	98	94	93	85	75
4 Trivolt SC (15 fl oz) + AAtrex (2 pt)	98	91	89	84	76
5 Storen (1.25 qt) + AAtrex (2 pt)	97	91	93	89	82
6 Surtain (14 fl oz)	98	86	81	59	45
7 Surtain (14 fl oz) + AAtrex (2 pt)	98	70	61	46	33
8 Surtain (14 fl oz) + Callisto (3 fl oz)	95	78	80	63	48
9 Surtain (14 fl oz) + AAtrex (2 pt) + Callisto (3 fl oz)	97	88	87	83	68
LSD ($\alpha=0.10$)	1	9	12	11	12
p value	<.001	0.002	0.001	<.001	<.001

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

*Trial reset with an application of 30 fl oz/a Roundup PowerMAX3 + AMS to eliminate all giant ragweed seedlings that had emerged prior to an activating rainfall. The first significant rainfall event did not occur until 5/20; 0.92 in.

PRE Applications of Surtain vs Competitors Janesville, WI 2025

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

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

28 days after PRE (6/4)
Untreated Check

0%



28 days after PRE (6/4)
PRE: 1.88 qt Acuron + 1 pt atrazine

93%



28 days after PRE (6/4)
PRE: 1.88 qt Resicore + 2 pt atrazine

94%



28 days after PRE (6/4)
PRE: 15 oz TriVolt + 2 pt atrazine

91%



28 days after PRE (6/4)
PRE: 1.25 qt Storen + 2 pt atrazine

91%



28 days after PRE (6/4)
PRE: 14 fl oz Surtain

86%



28 days after PRE (6/4)
PRE: 14 fl oz Surtain + 2 pt atrazine

70%



28 days after PRE (6/4)
PRE: 14 fl oz Surtain + 3 oz Callisto

78%



28 days after PRE (6/4)

PRE: 14 fl oz Surtain + 2 pt atrazine + 3 oz Callisto

88%



PRE Applications of Surtain vs Competitors Janesville, WI 2025

Plot pictures taken on 6/10
34 days after the PRE application

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

34 days after PRE (6/10)
Untreated Check

0%



34 days after PRE (6/10)
PRE: 1.88 qt Acuron + 1 pt atrazine

94%



34 days after PRE (6/10)
PRE: 1.88 qt Resicore + 2 pt atrazine

93%



34 days after PRE (6/10)
PRE: 15 oz TriVolt + 2 pt atrazine

89%



34 days after PRE (6/10)
PRE: 1.25 qt Storen + 2 pt atrazine

93%



34 days after PRE (6/10)
PRE: 14 fl oz Surtain

81%



34 days after PRE (6/10)
PRE: 14 fl oz Surtain + 2 pt atrazine

61%



34 days after PRE (6/10)
PRE: 14 fl oz Surtain + 3 oz Callisto

80%



34 days after PRE (6/10)

PRE: 14 fl oz Surtain + 2 pt atrazine + 3 oz Callisto

87%



PRE Applications of Surtain vs Competitors Janesville, WI 2025

Plot pictures taken on 6/19
43 days after the PRE application

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

43 days after PRE (6/19)
Untreated Check

0%



43 days after PRE (6/19)
PRE: 1.88 qt Acuron + 1 pt atrazine

91%



43 days after PRE (6/19)
PRE: 1.88 qt Resicore + 2 pt atrazine

85%



43 days after PRE (6/19)
PRE: 15 oz TriVolt + 2 pt atrazine

84%



43 days after PRE (6/19)
PRE: 1.25 qt Storen + 2 pt atrazine

89%



43 days after PRE (6/19)

PRE: 14 fl oz Surtain

59%



43 days after PRE (6/19)
PRE: 14 fl oz Surtain + 2 pt atrazine

46%



43 days after PRE (6/19)
PRE: 14 fl oz Surtain + 3 oz Callisto

63%



43 days after PRE (6/19)

PRE: 14 fl oz Surtain + 2 pt atrazine + 3 oz Callisto

83%

