

XtendiMax Paired Soil Residual Herbicide Programs (Janesville, WI 2023)

Trial Information

Trial Sponsor(s): Bayer

Objective: Evaluate the potential benefit of adding XtendiMax to the tank with traditional PRE herbicides

Crop: XtendFlex Soybean

Variety: AG20XF1

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

Herbicide Application(s): PRE – 5/11

For the full report see trial #23-ROK-SB01 in the [2023 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



XtendiMax Paired Soil Residual Herbicide Programs (Janesville, WI 2023)

Trt # Herbicide (rate acre ⁻¹)	Giant Ragweed (%)		
	14 DAT	22 DAT	35 DAT
1 Untreated Check	0	0	0
One-Pass – PRE (5/11)			
2 Warrant (48 fl oz) + Mauler (8 fl oz)	61	35	18
5 Warrant (48 fl oz) + Mauler (8 fl oz) + XtendiMax (22 fl oz)*	86	87	58
3 Warrant (48 fl oz)	75	49	31
6 Warrant (48 fl oz) + XtendiMax (22 fl oz)*	94	87	60
4 Warrant Ultra (50 fl oz)	85	62	50
7 Warrant Ultra (50 fl oz) + XtendiMax (22 fl oz)*	97	93	80
9 Authority First (6 oz)	86	81	66
10 Authority First (6 oz) + XtendiMax (22 fl oz)*	98	95	81
8 XtendiMax (22 fl oz)*	88	86	45
Average control of PRE herbicides without dicamba	77	57	41
Average control of PRE herbicides with dicamba	94	90	70
LSD ($\alpha=0.10$)	18	17	22
p value	0.045	<0.001	<0.001

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

*All treatments with XtendiMax included 20 fl oz/a VaporGrip Xtra, a volatility reducing agent.

XtendiMax Paired Soil Residual Herbicide Programs (Janesville, WI 2023)

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

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

14 days after PRE (5/25)
Untreated Check

0%



14 days after PRE (5/25)
PRE: 48 fl oz Warrant + 8 fl oz Mauler

61%



14 days after PRE (5/25)

PRE: 48 fl oz Warrant + 8 fl oz Mauler + 22 fl oz XtendiMax

86%



14 days after PRE (5/25)
PRE: 48 fl oz Warrant

75%



14 days after PRE (5/25)

PRE: 48 fl oz Warrant + 22 fl oz XtendiMax

94%



14 days after PRE (5/25)
PRE: 50 fl oz Warrant Ultra

85%



14 days after PRE (5/25)

PRE: 50 fl oz Warrant Ultra + 22 fl oz XtendiMax

97%



14 days after PRE (5/25)
PRE: 6 oz Authority First

86%



14 days after PRE (5/25)

PRE: 6 oz Authority First + 22 fl oz XtendiMax

98%



14 days after PRE (5/25)
PRE: 22 fl oz XtendiMax

88%



XtendiMax Paired Soil Residual Herbicide Programs (Janesville, WI 2023)

Plot pictures taken on 6/2
22 days after the PRE application

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

22 days after PRE (6/2)
Untreated Check

0%



22 days after PRE (6/2)

PRE: 48 fl oz Warrant + 8 fl oz Mauler

35%



22 days after PRE (6/2)

PRE: 48 fl oz Warrant + 8 fl oz Mauler + 22 fl oz XtendiMax

87%



22 days after PRE (6/2)
PRE: 48 fl oz Warrant

49%



22 days after PRE (6/2)

PRE: 48 fl oz Warrant + 22 fl oz XtendiMax

87%



22 days after PRE (6/2)
PRE: 50 fl oz Warrant Ultra

62%



22 days after PRE (6/2)

PRE: 50 fl oz Warrant Ultra + 22 fl oz XtendiMax

93%



22 days after PRE (6/2)
PRE: 6 oz Authority First

81%



22 days after PRE (6/2)

PRE: 6 oz Authority First + 22 fl oz XtendiMax

95%



22 days after PRE (6/2)
PRE: 22 fl oz XtendiMax

86%

