

XtendiMax Paired Soil Residual Herbicide Programs (Arlington, WI 2022)

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): common ragweed (moderage-high)
velvetleaf (moderate)
common lambsquarters (moderate)

Herbicide Application(s): PRE – 5/10

For the full report see trial #22-ARL-SB01 in the [2022 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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| Trt # Herbicide (rate acre ⁻¹) | C. Ragweed | | Lambsquarters | | Velvetleaf | |
|---|------------|--------|---------------|--------|------------|--------|
| | 23 DAT | 36 DAT | 23 DAT | 36 DAT | 23 DAT | 36 DAT |
| 1 Untreated Check | 0 | 0 | 0 | 0 | 0 | 0 |
| One-Pass – PRE (5/10) | | | | | | |
| 2 Warrant (48 fl oz) + Mauler (8 fl oz) | 71 | 84 | 91 | 92 | 61 | 78 |
| 8 Warrant (48 fl oz) + Mauler (8 fl oz) + XtendiMax (22 fl oz)* | 99 | 99 | 99 | 98 | 85 | 92 |
| 3 Warrant (48 fl oz) | 79 | 75 | 89 | 83 | 44 | 61 |
| 9 Warrant (48 fl oz) + XtendiMax (22 fl oz)* | 98 | 98 | 99 | 97 | 87 | 90 |
| 4 Warrant Ultra (50 fl oz) | 71 | 81 | 96 | 85 | 49 | 63 |
| 10 Warrant Ultra (50 fl oz) + XtendiMax (22 fl oz)* | 100 | 99 | 100 | 98 | 79 | 86 |
| 5 Fierce EZ (6 fl oz) | 91 | 90 | 99 | 97 | 95 | 97 |
| 11 Fierce EZ (6 fl oz) + XtendiMax (22 fl oz)* | 98 | 98 | 99 | 98 | 90 | 93 |
| 6 Valor EZ (2 fl oz) | 92 | 88 | 99 | 99 | 96 | 98 |
| 12 Valor EZ (2 fl oz) + XtendiMax (22 fl oz)* | 99 | 99 | 99 | 99 | 98 | 99 |
| 7 Authority MTZ (10 oz) | 82 | 85 | 97 | 92 | 54 | 74 |
| 13 Authority MTZ (10 oz) + XtendiMax (22 fl oz)* | 99 | 98 | 97 | 98 | 82 | 88 |
| 14 XtendiMax (22 fl oz)* | 97 | 99 | 95 | 88 | 85 | 91 |
| LSD ($\alpha=0.10$) | 11 | 6 | ns | 5 | 20 | 13 |
| p value | <0.001 | <0.001 | 0.125 | <0.001 | <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.

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

The numbers in the upper right-hand corner are the average % common ragweed and velvetleaf control of 4 replications

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Untreated Check

Injury = 0%



Fierce EZ

Injury = 6%



Valor EZ

Injury = 6%



23 days after PRE (6/2)
Untreated Check

0%



23 days after PRE (6/2) C. Ragweed = 71%
PRE: 48 fl oz Warrant + 8 fl oz Mauler Velvetleaf = 61%



23 days after PRE (6/2) C. Ragweed = 99%
PRE: 48 fl oz Warrant + 8 fl oz Mauler + 22 fl oz XtendiMax Velvetleaf = 85%



23 days after PRE (6/2) C. Ragweed = 79%
PRE: 48 fl oz Warrant Velvetleaf = 44%



23 days after PRE (6/2) C. Ragweed = 98%
PRE: 48 fl oz Warrant + 22 fl oz XtendiMax Velvetleaf = 87%



23 days after PRE (6/2) C. Ragweed = 71%
PRE: 50 fl oz Warrant Ultra Velvetleaf = 49%



23 days after PRE (6/2) C. Ragweed = 100%
PRE: 50 fl oz Warrant Ultra + 22 fl oz XtendiMax Velvetleaf = 79%



23 days after PRE (6/2) C. Ragweed = 91%
PRE: 6 fl oz Fierce EZ Velvetleaf = 95%



23 days after PRE (6/2) C. Ragweed = 98%
PRE: 6 fl oz Fierce EZ + 22 fl oz XtendiMax Velvetleaf = 90%



23 days after PRE (6/2) PRE: 2 fl oz Valor EZ

C. Ragweed = 92%
Velvetleaf = 96%



23 days after PRE (6/2) C. Ragweed = 99%
PRE: 2 fl oz Valor EZ + 22 fl oz XtendiMax Velvetleaf = 98%



23 days after PRE (6/2) C. Ragweed = 82%
PRE: 10 oz Authority MTZ Velvetleaf = 54%



23 days after PRE (6/2) C. Ragweed = 99%
PRE: 10 oz Authority MTZ + 22 fl oz XtendiMax Velvetleaf = 82%



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

C. Ragweed = 97%
Velvetleaf = 85%



XtendiMax Paired Soil Residual Herbicide Programs (Arlington, WI 2022)

Plot pictures taken on 6/15
36 days after the PRE application

The numbers in the upper right-hand corner are the average % common ragweed and velvetleaf control of 4 replications

36 days after PRE (6/15)
Untreated Check

0%



36 days after PRE (6/15) C. Ragweed = 84%
PRE: 48 fl oz Warrant + 8 fl oz Mauler Velvetleaf = 78%



36 days after PRE (6/15) C. Ragweed = 99%
PRE: 48 fl oz Warrant + 8 fl oz Mauler + 22 fl oz XtendiMax Velvetleaf = 92%



36 days after PRE (6/15)
PRE: 48 fl oz Warrant

C. Ragweed = 75%
Velvetleaf = 61%



36 days after PRE (6/15) C. Ragweed = 98%
PRE: 48 fl oz Warrant + 22 fl oz XtendiMax Velvetleaf = 90%



36 days after PRE (6/15)
PRE: 50 fl oz Warrant Ultra

C. Ragweed = 81%
Velvetleaf = 63%



36 days after PRE (6/15) C. Ragweed = 99%
PRE: 50 fl oz Warrant Ultra + 22 fl oz XtendiMax Velvetleaf = 86%



36 days after PRE (6/15)
PRE: 6 fl oz Fierce EZ

C. Ragweed = 90%
Velvetleaf = 97%



36 days after PRE (6/15) C. Ragweed = 98%
PRE: 6 fl oz Fierce EZ + 22 fl oz XtendiMax Velvetleaf = 93%



36 days after PRE (6/15)
PRE: 2 fl oz Valor EZ

C. Ragweed = 88%
Velvetleaf = 98%



36 days after PRE (6/15) C. Ragweed = 99%
PRE: 2 fl oz Valor EZ + 22 fl oz XtendiMax Velvetleaf = 99%



36 days after PRE (6/15)
PRE: 10 oz Authority MTZ

C. Ragweed = 85%
Velvetleaf = 74%



36 days after PRE (6/15) C. Ragweed = 98%
PRE: 10 oz Authority MTZ + 22 fl oz XtendiMax Velvetleaf = 88%



36 days after PRE (6/15)
PRE: 22 fl oz XtendiMax

C. Ragweed = 99%
Velvetleaf = 91%

