

Zidua PRO Residual Weed Control Comparisons Arlington, WI 2023

Trial Information

Trial Sponsor(s): BASF

Objective: Evaluate the residual control and crop safety of Zidua PRO compared to competitor soybean herbicides

Crop: XtendFlex Soybean

Variety: AG20XF1

Weed species (pressure): common ragweed (very high)
common lambsquarters (moderate)
velveleaf (moderate)
giant foxtail (moderate)

Herbicide Application(s): PRE – 5/5

For the full report see trial #23-ARL-SB05 in the [2023 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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Trt # Herbicide (rate acre ⁻¹)	Common Ragweed (%)				Velvetleaf (%)				Lambsquarters (%)			Giant Foxtail (%)		
	14 DAT	21 DAT	27 DAT	45 DAT	14 DAT	21 DAT	27 DAT	45 DAT	21 DAT	27 DAT	45 DAT	21 DAT	27 DAT	45 DAT
1 Untreated Check	0	0	0	0	0	0	0	0	0	0	0	0	0	0
One-Pass – PRE (5/5)														
2 Zidua PRO (6 fl oz)	94	94	83	71	98	95	94	82	99	99	98	98	91	66
3 Tendovo (1.5 qt)	88	83	81	69	86	85	86	34	98	83	88	95	86	69
4 Kyber/Fierce MTZ (1 pt)	66	42	36	11	88	92	85	63	99	85	89	72	56	33
5 Boundary (1.5 pt)	63	51	48	14	68	74	75	45	97	74	82	89	80	64
6 Authority Supreme (6.5 fl oz)	56	33	19	0	76	75	68	51	99	94	98	86	71	65
7 Sonic (5 oz)	96	96	91	87	97	96	97	65	99	99	99	88	74	6
LSD ($\alpha=0.10$)	7	13	14	9	14	11	15	ns	ns	12	6	8	16	18
p value	<0.001	<0.001	<0.001	<0.001	0.012	0.01	0.034	0.221	0.589	0.007	0.001	0.002	0.026	<0.001

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

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Plot pictures taken on 5/19
14 days after the PRE application

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

14 days after PRE (5/19)
Untreated Check

0%





14 days after PRE (5/19)
PRE: 1.5 qt Tendovo

88%



14 days after PRE (5/19)
PRE: 1 pt Kyber

66%



14 days after PRE (5/19)
PRE: 1.5 pt Boundary

63%





14 days after PRE (5/19)

PRE: 5 oz Sonic

96%



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

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

45 days after PRE (6/19)
Untreated Check

0%



45 days after PRE (6/19)

PRE: 6 fl oz Zidua PRO

71%



45 days after PRE (6/19)

PRE: 1.5 qt Tendovo

69%





45 days after PRE (6/19)
PRE: 1.5 pt Boundary

14%



45 days after PRE (6/19)
PRE: 6.5 fl oz Authority Supreme

0%



45 days after PRE (6/19)

PRE: 5 oz Sonic

87%

