

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

Trial Information

Trial Sponsor(s): Bayer

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

Crop: Corn

Variety: DKC50-87 RIB

Weed species (pressure): giant ragweed (high)

Herbicide Application(s): PRE – 5/4

For the full report see trial #23-ROK-CN01 in the [2023 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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

Trt #	Herbicide (rate acre ⁻¹)	G. Ragweed (%)	
		21 DAT	35 DAT
1	Check Untreated	0	0
One-Pass – PRE (5/4)			
2	DiFlexx (8 fl oz)	74	74
3	Balance Flexx (4.5 fl oz)	57	65
4	Balance Flexx (4.5 fl oz) + Atrazine 4L (2 pt)	69	75
8	Balance Flexx (4.5 fl oz) + DiFlexx (8 fl oz)	61	62
9	Balance Flexx (4.5 fl oz) + Atrazine 4L (2 pt) + DiFlexx (8 fl oz)	80	80
5	Harness (2 pt)	50	44
10	Harness (2 pt) + DiFlexx (8 fl oz)	81	68
6	Harness Xtra (1.6 qt)	62	57
11	Harness Xtra (1.6 qt) + DiFlexx (8 fl oz)	82	74
7	Harness Max (2 qt) + Atrazine 4L (2 pt)	86	76
12	Harness Max (2 qt) + Atrazine 4L (2 pt) + DiFlexx (8 fl oz)	90	84
13	Resicore XL (2.5 qt)	78	74
14	Resicore XL (2.5 qt) + DiFlexx (8 fl oz)	90	83
LSD ($\alpha=0.10$)		12	11
p value		<0.001	<0.001

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

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

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

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

21 days after PRE (5/25)
Untreated Check

0%



21 days after PRE (5/25)
PRE: 8 fl oz DiFlexx

74%



21 days after PRE (5/25)
PRE: 4.5 fl oz Balance Flexx

57%



21 days after PRE (5/25)

PRE: 4.5 fl oz Balance Flexx + 2 pt atrazine 4L

69%



21 days after PRE (5/25)

PRE: 4.5 fl oz Balance Flexx + 8 fl oz DiFlexx

61%



21 days after PRE (5/25)

PRE: 4.5 fl oz Balance Flexx + 2 pt atrazine 4L + 8 fl oz DiFlexx

80%



21 days after PRE (5/25)
PRE: 2 pt Harness

50%



21 days after PRE (5/25)
PRE: 2 pt Harness + 8 fl oz DiFlexx

81%



21 days after PRE (5/25)
PRE: 1.6 qt Harness Xtra

62%



21 days after PRE (5/25)

PRE: 1.6 qt Harness Xtra + 8 fl oz DiFlexx

82%



21 days after PRE (5/25)
PRE: 2 qt Harness MAX + 2 pt atrazine 4L

86%



21 days after PRE (5/25)

PRE: 2 qt Harness MAX + 2 pt atrazine 4L + 8 fl oz DiFlexx

90%



21 days after PRE (5/25)
PRE: 2.5 qt Resicore XL

78%



21 days after PRE (5/25)
PRE: 2.5 qt Resicore XL + 8 fl oz DiFlexx

90%



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

Plot pictures taken on 6/8
35 days after the PRE application

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

35 days after PRE (6/8)
Untreated Check

0%



35 days after PRE (6/8)
PRE: 8 fl oz DiFlexx

74%



35 days after PRE (6/8)
PRE: 4.5 fl oz Balance Flexx

65%



35 days after PRE (6/8)

PRE: 4.5 fl oz Balance Flexx + 2 pt atrazine 4L

75%



35 days after PRE (6/8)
PRE: 4.5 fl oz Balance Flexx + 8 fl oz DiFlexx

62%



35 days after PRE (6/8)

PRE: 4.5 fl oz Balance Flexx + 2 pt atrazine 4L + 8 fl oz DiFlexx

80%



35 days after PRE (6/8)
PRE: 2 pt Harness

44%



35 days after PRE (6/8)
PRE: 2 pt Harness + 8 fl oz DiFlexx

68%



35 days after PRE (6/8)
PRE: 1.6 qt Harness Xtra

57%



35 days after PRE (6/8)
PRE: 1.6 qt Harness Xtra + 8 fl oz DiFlexx

74%



35 days after PRE (6/8)
PRE: 2 qt Harness MAX + 2 pt atrazine 4L

76%



35 days after PRE (6/8)

PRE: 2 qt Harness MAX + 2 pt atrazine 4L + 8 fl oz DiFlexx

84%



35 days after PRE (6/8)
PRE: 2.5 qt Resicore XL

74%



35 days after PRE (6/8)
PRE: 2.5 qt Resicore XL + 8 fl oz DiFlexx

83%

