Voraxor Burndown Waterhemp Control Brooklyn, WI 2025

Trial Information

Trial Sponsor(s):	BASF
Objective:	Compare waterhemp burndown control of **Voraxor*** to other common PPO containing herbicides
Crop:	none
Weed species (pressure):	waterhemp (moderate-high)
Herbicide Application(s):	POST – 6/23 (1-7” waterhemp; Average = 2.5”)

For the full report see trial #25-BRO-BG09 in the 2025 Wisconsin Weed Science Research Report

Voraxor** is a new herbicide from BASF containing two group 14 active ingredients, saflufenacil and trifludimoxazin. ***Voraxor is not registered for commercial use in the United States at the time of this publication.

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Trt #	Herbicide (rate acre^{-1})	Waterhemp (%)			
		7 DAT	15 DAT	21 DAT	28 DAT
1	Untreated Check	0	0	0	0
One-Pass – POST (6/23)[c]					
2	2,4-D LV6 (1 pt) + Zidua SC (3.25 oz) + MSO + AMS	85 c	65 c	59 c	49 c
3	Authority Supreme (6.5 oz) + MSO + AMS	85 c	60 c	43 d	41 c
4	Fierce EZ (7.5 oz) + MSO + AMS	93 ab	86 ab	79 ab	70 b
5	Reviton (1 oz) + Zidua SC (3.25 oz) + MSO + AMS	87 bc	61 c	56 c	48 c
6	Sharpen (1 oz) + Zidua SC (3.25 oz) + MSO + AMS	92 abc	75 bc	73 b	51 c
7	**Voraxor*** (1.4 oz) + Zidua SC (3.25 oz) + MSO + AMS	99 a	95 a	95 a	89 a
8	Authority Supreme (6.5 oz) + 2,4-D LV6 (1 pt) + MSO + AMS	94 ab	83 ab	81 ab	66 b
9	Fierce EZ (7.5 oz) + 2,4-D LV6 (1 pt) + MSO + AMS	99 a	95 a	96 a	89 a
10	Reviton (1 oz) + 2,4-D LV6 (1 pt) + Zidua SC (3.25 oz) + MSO + AMS	96 a	85 ab	81 ab	68 b
11	Sharpen (1 oz) + 2,4-D LV6 (1 pt) + Zidua SC (3.25 oz) + MSO + AMS	99 a	93 a	93 a	85 a
12	**Voraxor*** (1.4 oz) + 2,4-D LV6 (1 pt) + Zidua SC (3.25 oz) + MSO + AMS	100 a	98 a	98 a	94 a
	LSD (α=0.10)	**5**	**11**	**12**	**10**
	p value	**<.001**	**<.001**	**<.001**	**<.001**

[a]Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

[b]Visual control (%) ratings with the same letter are not statistically different.

[c]MSO (1% v/v) + AMS (8.5 lb/100 gal) was added to all herbicide treatments.

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Plot pictures taken on 6/30

7 days after the POST application

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

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7 days after POST (6/30)
Untreated Check

0%

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7 days after POST (6/30)
POST: 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

85%

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7 days after POST (6/30)
POST: 6.5 oz Authority Supreme + MSO + AMS

85%

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7 days after POST (6/30)
POST: 7.5 oz Fierce EZ + MSO + AMS

93%

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7 days after POST (6/30)
POST: 1 oz Reviton + 3.25 oz Zidua SC + MSO + AMS

87%

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7 days after POST (6/30)
POST: 1 oz Sharpen + 3.25 oz Zidua SC + MSO + AMS

92%

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7 days after POST (6/30)
POST: 1.4 oz Voraxor + 3.25 oz Zidua SC + MSO + AMS

99%

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7 days after POST (6/30)
POST: 6.5 oz Authority Supreme + 1 pt 2,4-D LV6 + MSO + AMS

94%

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7 days after POST (6/30)
POST: 7.5 oz Fierce EZ + 1 pt 2,4-D LV6 + MSO + AMS

99%

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7 days after POST (6/30)
POST: 1 oz Reviton + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

96%

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7 days after POST (6/30)
POST: 1 oz Sharpen + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

99%

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7 days after POST (6/30)
POST: 1.4 oz Voraxor + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

100%

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Voraxor Burndown Waterhemp Control

Waterhemp control 7 days after application

Check

2,4-D LV6 @ 1 pt
Zidua SC @ 3.25 oz

Sharpen @ 1 oz
Zidua SC @ 3.25 oz

Voraxor @ 1.4 oz
Zidua SC @ 3.25 oz

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*All applications included MSO @ 1% v/v + AMS @ 8.5 lb/100 gal

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Voraxor Burndown Waterhemp Control
Brooklyn, WI 2025

Plot pictures taken on 7/8

15 days after the POST application

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

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15 days after POST (7/8)
Untreated Check

0%

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15 days after POST (7/8)
POST: 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

65%

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15 days after POST (7/8)
POST: 6.5 oz Authority Supreme + MSO + AMS

60%

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15 days after POST (7/8)
POST: 7.5 oz Fierce EZ + MSO + AMS

86%

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15 days after POST (7/8)
POST: 1 oz Reviton + 3.25 oz Zidua SC + MSO + AMS

61%

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15 days after POST (7/8)
POST: 1 oz Sharpen + 3.25 oz Zidua SC + MSO + AMS

75%

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15 days after POST (7/8)
POST: 1.4 oz Voraxor + 3.25 oz Zidua SC + MSO + AMS

95%

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15 days after POST (7/8)
POST: 6.5 oz Authority Supreme + 1 pt 2,4-D LV6 + MSO + AMS

83%

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15 days after POST (7/8)
POST: 7.5 oz Fierce EZ + 1 pt 2,4-D LV6 + MSO + AMS

95%

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15 days after POST (7/8)
POST: 1 oz Reviton + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

85%

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15 days after POST (7/8)
POST: 1 oz Sharpen + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

93%

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15 days after POST (7/8)
POST: 1.4 oz Voraxor + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

98%

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Voraxor Burndown Waterhemp Control

Waterhemp control 15 days after application

Check

2,4-D LV6 @ 1 pt
Zidua SC @ 3.25 oz

Sharpen @ 1 oz
Zidua SC @ 3.25 oz

Voraxor @ 1.4 oz
Zidua SC @ 3.25 oz

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*All applications included MSO @ 1% v/v + AMS @ 8.5 lb/100 gal

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Voraxor Burndown Waterhemp Control
Brooklyn, WI 2025

Plot pictures taken on 7/14

21 days after the POST application

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

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21 days after POST (7/14)
Untreated Check

0%

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21 days after POST (7/14)
POST: 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

65%

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75%

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21 days after POST (7/14)
POST: 1.4 oz Voraxor + 1 pt 2,4-D LV6 + 3.25 oz Zidua SC + MSO + AMS

98%

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Voraxor Burndown Waterhemp Control

Waterhemp control 21 days after application

Check

2,4-D LV6 @ 1 pt
Zidua SC @ 3.25 oz

Sharpen @ 1 oz
Zidua SC @ 3.25 oz

Voraxor @ 1.4 oz
Zidua SC @ 3.25 oz

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*All applications included MSO @ 1% v/v + AMS @ 8.5 lb/100 gal

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