

Brandt Uptake Plus Adjuvant with Glufosinate Arlington, WI 2025

Trial Information

Trial Sponsor(s): Brandt

Objective: Compare weed control of glufosinate tank mixed with **Uptake Plus** adjuvant to industry standards

Crop: none

Weed species (height): common lambsquarters (1-7"; Average = 3")
common ragweed (1-10"; Average = 4")
giant foxtail (1-10"; Average = 6")

Herbicide Application(s): POST – 6/20

For the full report see trial #25-ARL-BG03 in the [2025 Wisconsin Weed Science Research Report](#)

***Uptake Plus** is an AMS water conditioner + NIS + sugar release technology adjuvant blend.

The logo for Brandt, featuring the word "BRANDT" in a bold, red, italicized sans-serif font. A registered trademark symbol (®) is located at the bottom right of the word.

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Trt #	Herbicide (rate acre ⁻¹)	Lambsquarters (%)			G. Foxtail (%)	
		6 DAT	13 DAT	21 DAT	6 DAT	13 DAT
One-Pass – POST (6/20)^c						
1	Surmise 5 (16 oz)	68 e	55 e	34 e	85 b	80 c
2	Surmise 5 (16 oz) + Uptake Plus (2.5% v/v)	95 a	93 a	89 a	87 a	89 a
3	Surmise 5 (16 oz) + Brandt Exp Adjuvant #1 (0.25% v/v) + Brandt AMS (7 lb/100 gal)	88 c	76 c	67 c	87 a	85 b
4	Surmise 5 (16 oz) + Brandt AMS (7 lb/100 gal)	79 d	66 d	52 d	86 ab	84 b
5	Surmise 5 (16 oz) + Class Act NG (2.1% v/v)	91 b	86 b	79 b	87 a	89 a
LSD ($\alpha=0.10$)		3	5	6	1	3
p value		<.001	<.001	<.001	0.031	0.002

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

^bVisual control (%) ratings with the same letter are not statistically different.

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Plot pictures taken on 6/26
6 days after the POST application

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

6 days after POST (6/26)
POST: 16 oz Surmise 5

68%



6 days after POST (6/26)

POST: 16 oz Surmise 5 + 2.5% v/v Uptake Plus

95%



6 days after POST (6/26)

POST: 16 oz Surmise 5 + 0.25% v/v Exp. Adj. #1 + 7 lb/100 gal Brandt AMS

88%



6 days after POST (6/26)

POST: 16 oz Surmise 5 + 7 lb/100 gal Brandt AMS

79%



6 days after POST (6/26)

POST: 16 oz Surmise 5 + 2.1% v/v Class Act NG

91%



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Plot pictures taken on 7/3
13 days after the POST application

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

13 days after POST (7/3)
POST: 16 oz Surmise 5

55%



13 days after POST (7/3)

POST: 16 oz Surmise 5 + 2.5% v/v Uptake Plus

93%



13 days after POST (7/3)

POST: 16 oz Surmise 5 + 0.25% v/v Exp. Adj. #1 + 7 lb/100 gal Brandt AMS

76%



13 days after POST (7/3)

POST: 16 oz Surmise 5 + 7 lb/100 gal Brandt AMS

66%



13 days after POST (7/3)

POST: 16 oz Surmise 5 + 2.1% v/v Class Act NG

86%



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Plot pictures taken on 7/11
21 days after the POST application

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

21 days after POST (7/11)
POST: 16 oz Surmise 5

34%



21 days after POST (7/11)

POST: 16 oz Surmise 5 + 2.5% v/v Uptake Plus

89%



21 days after POST (7/11)

POST: 16 oz Surmise 5 + 0.25% v/v Exp. Adj. #1 + 7 lb/100 gal Brandt AMS

67%



21 days after POST (7/11)

POST: 16 oz Surmise 5 + 7 lb/100 gal Brandt AMS

52%



21 days after POST (7/11)

POST: 16 oz Surmise 5 + 2.1% v/v Class Act NG

79%

