

# Lead with Liberty ULTRA Brooklyn, WI 2025

## Trial Information

Trial Sponsor(s): BASF

Objective: Evaluate the efficacy of applying Liberty ULTRA alone and tank mixed with Enlist One in an Enlist soybean system

Crop: Soybean

Variety: Xitavo XO2075E

Weed species (pressure): waterhemp (high-very high)

Herbicide Application(s): PRE – 5/27  
POST – 6/26 (V2/V3 soybean)  
LPOST – 7/2 (V4 soybean)

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For the full report see trial #25-BRO-SB07 in the [2025 Wisconsin Weed Science Research Report](#)

The BASF logo consists of a white square with a smaller white square inside it, followed by the letters "BASF" in a bold, white, sans-serif font.

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# Lead with Liberty ULTRA Brooklyn, WI 2025

Trt # Herbicide (rate acre <sup>-1</sup> )	Waterhemp (%)					Yield <sup>b</sup> bu acre <sup>-1</sup>
	7/8	7/18	7/25	7/29	9/30	
1 Treated Check <sup>c</sup>	0	0	0	0	0	47 c
<b>Two-Pass – PRE (5/27) fb POST (6/26)</b>						
2 Interline (36 oz) + Dual II Magnum (1 pt) + AMS (3 lb)	93	82	72	77	68	63 ab
3 Liberty ULTRA (24 oz) + Zidua SC (2.5 oz) + AMS (3 lb)	93	81	74	77	69	63 ab
4 Enlist One (2 pt) + Dual II Magnum (1 pt) + Superb HC (0.5%) + AMS (3 lb)	86	88	82	84	88	64 ab
5 Enlist One (2 pt) + Liberty ULTRA (24 oz) + Zidua SC (2.5 oz) + Superb HC (0.5%) + AMS (3 lb)	97	95	91	93	92	66 a
<b>Two-Pass – PRE (5/27) fb POST (7/2)</b>						
6 Interline (43 oz) + Dual II Magnum (1 pt) + AMS (3 lb)	85	82	74	78	70	59 B
7 Liberty ULTRA (29 oz) + Zidua SC (2.5 oz) + AMS (3 lb)	83	83	74	78	70	60 b
8 Liberty ULTRA (34 oz) + Zidua SC (2.5 oz) + AMS (3 lb)	85	82	72	76	67	60 b
9 Enlist One (2 pt) + Dual II Magnum (1 pt) + Superb HC (0.5%) + AMS (3 lb)	81	87	85	86	85	60 b
10 Enlist One (2 pt) + Liberty ULTRA (34 oz) + Zidua SC (2.5 oz) + Superb HC (0.5%) + AMS (3 lb)	84	96	96	95	96	62 ab
	<b>LSD (<math>\alpha=0.10</math>)</b>					<b>3</b>
	<b>p value</b>					<b>&lt;.001</b>

<sup>a</sup>Visual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

<sup>b</sup>Yield values with the same letter are not significantly different.

<sup>c</sup>Verdict (5 fl oz/a) was applied over the entire trial area to suppress waterhemp but allow enough escapes to evaluate postemergence control

# Lead with Liberty ULTRA

## Brooklyn, WI 2025

Plot pictures taken on 7/8  
12 days after the POST application  
6 days after the LPOST application

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

42 days after PRE (7/8)  
PRE: 5 fl oz Verdict

0%



**12 days after POST (7/8)**

**PRE: 5 fl oz Verdict**

**93%**

**POST: 36 oz Interline + 1 pt Dual II Magnum + AMS**



12 days after POST (7/8)

PRE: 5 fl oz Verdict

POST: 24 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS

93%



**12 days after POST (7/8)**

**PRE: 5 fl oz Verdict**

**86%**

**POST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



12 days after POST (7/8)

97%

PRE: 5 fl oz Verdict

POST: 2 pt Enlist One + 24 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS



**6 days after LPOST (7/8)**

**PRE: 5 fl oz Verdict**

**85%**

**LPOST: 43 oz Interline + 1 pt Dual II Magnum + AMS**



6 days after LPOST (7/8)

PRE: 5 fl oz Verdict

83%

LPOST: 29 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS



**6 days after LPOST (7/8)**

**PRE: 5 fl oz Verdict**

**82%**

**LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



6 days after LPOST (7/8)

PRE: 5 fl oz Verdict

81%

LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS



**6 days after LPOST (7/8)**

**84%**

**PRE: 5 fl oz Verdict**

**LPOST: 2 pt Enlist One + 34 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**



## Waterhemp control 12 days after application



Check



Liberty ULTRA @ 24 oz  
Zidua SC @ 2.5 oz



Enlist One @ 2 pt  
Dual II Magnum @ 1 pt  
Superb HC @ 0.5% v/v



Liberty ULTRA @ 24 oz  
Enlist One @ 2 pt  
Zidua SC @ 2.5 oz  
Superb HC @ 0.5% v/v



\*All applications included AMS @ 3 lb

# Lead with Liberty ULTRA

## Brooklyn, WI 2025

Plot pictures taken on 7/18

22 days after the POST application  
16 days after the LPOST application

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

52 days after PRE (7/18)

PRE: 5 fl oz Verdict

0%



22 days after POST (7/18)

PRE: 5 fl oz Verdict

POST: 36 oz Interline + 1 pt Dual II Magnum + AMS

82%



**22 days after POST (7/18)**

**PRE: 5 fl oz Verdict**

**81%**

**POST: 24 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**22 days after POST (7/18)**

**PRE: 5 fl oz Verdict**

**88%**

**POST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



**22 days after POST (7/18)**

**95%**

**PRE: 5 fl oz Verdict**

**POST: 2 pt Enlist One + 24 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**



16 days after LPOST (7/18)

PRE: 5 fl oz Verdict

82%

LPOST: 43 oz Interline + 1 pt Dual II Magnum + AMS



16 days after LPOST (7/18)

PRE: 5 fl oz Verdict

83%

LPOST: 29 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS



16 days after LPOST (7/18)

PRE: 5 fl oz Verdict

82%

LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS



16 days after LPOST (7/18)

PRE: 5 fl oz Verdict

87%

LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS



16 days after LPOST (7/18)

96%

PRE: 5 fl oz Verdict

LPOST: 2 pt Enlist One + 34 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS



## Waterhemp control 22 days after application



Check

Liberty ULTRA @ 24 oz  
Zidua SC @ 2.5 oz

Enlist One @ 2 pt  
Dual II Magnum @ 1 pt  
Superb HC @ 0.5% v/v

Liberty ULTRA @ 24 oz  
Enlist One @ 2 pt  
Zidua SC @ 2.5 oz  
Superb HC @ 0.5% v/v



\*All applications included AMS @ 3 lb

# Lead with Liberty ULTRA

## Brooklyn, WI 2025

Plot pictures taken on 7/25

29 days after the POST application

23 days after the LPOST application

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

59 days after PRE (7/25)

PRE: 5 fl oz Verdict

0%



**29 days after POST (7/25)**

**PRE: 5 fl oz Verdict**

**POST: 36 oz Interline + 1 pt Dual II Magnum + AMS**

**72%**



**29 days after POST (7/25)**

**PRE: 5 fl oz Verdict**

**74%**

**POST: 24 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**29 days after POST (7/25)**

**PRE: 5 fl oz Verdict**

**82%**

**POST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



**29 days after POST (7/25)**

**91%**

**PRE: 5 fl oz Verdict**

**POST: 2 pt Enlist One + 24 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

74%

LPOST: 43 oz Interline + 1 pt Dual II Magnum + AMS



**23 days after LPOST (7/25)**

**PRE: 5 fl oz Verdict**

**74%**

**LPOST: 29 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**23 days after LPOST (7/25)**

**PRE: 5 fl oz Verdict**

**72%**

**LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

72%

LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

72%

LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS



**23 days after LPOST (7/25)**

**PRE: 5 fl oz Verdict**

**85%**

**LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

85%

LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

85%

LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS



23 days after LPOST (7/25)

PRE: 5 fl oz Verdict

85%

LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS



**23 days after LPOST (7/25)**

**96%**

**PRE: 5 fl oz Verdict**

**LPOST: 2 pt Enlist One + 34 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**



# Lead with Liberty ULTRA

## Brooklyn, WI 2025

Plot pictures taken on 9/30  
2 days before soybean harvest

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



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**68%**

**POST: 36 oz Interline + 1 pt Dual II Magnum + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**69%**

**POST: 24 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**88%**

**POST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



**Soybean Harvest (9/30)**

**92%**

**PRE: 5 fl oz Verdict**

**POST: 2 pt Enlist One + 24 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**70%**

**LPOST: 43 oz Interline + 1 pt Dual II Magnum + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**70%**

**LPOST: 29 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**67%**

**LPOST: 34 oz Liberty ULTRA + 2.5 oz Zidua SC + AMS**



**Soybean Harvest (9/30)**

**PRE: 5 fl oz Verdict**

**85%**

**LPOST: 2 pt Enlist One + 1 pt Dual II Magnum + Superb HC + AMS**



**Soybean Harvest (9/30)**

**96%**

**PRE: 5 fl oz Verdict**

**LPOST: 2 pt Enlist One + 34 oz Liberty ULTRA + 2.5 oz Zidua SC + Superb HC + AMS**

