

Preview 2.1SC Herbicide Programs in Enlist Soybeans (Brooklyn, WI 2022)

Trial Information

Trial Sponsor(s): UPL

Objective: Evaluate the efficacy and crop safety of Preview 2.1SC as a component of a competitive weed control program in Enlist soybeans

Crop: Enlist Soybean

Variety: H2123E

Weed species (pressure): glyphosate-R waterhemp (high-very high)
velvetleaf (low)
fall panicum (low-moderate)

Herbicide Application(s): PRE – 5/23
POST – 6/29 (V4 soybean)

For the full report see trial #22-BRO-SB17 in the [2022 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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Trt #	Herbicide (rate acre ⁻¹)	Injury (%)		Waterhemp (%)				Fall Panicum (%)				Yield ^b bu acre ⁻¹
		6/14	6/22	6/7	6/22	7/13	9/29	6/7	6/22	7/13	9/29	
1	Untreated Check	0.5	0	0	0	0	0	0	0	0	0	29 b
Two-Pass – PRE (5/23) <i>fb</i> POST (6/29)				POST				POST				
2	Preview 2.1SC (21 oz) <i>fb</i> Interline (32 oz) + AMS (5% v/v)	1.3	0	100	90	96	93	100	91	100	100	65 a
3	Preview 2.1SC (21 oz) + Moccasin (1.25 pt) <i>fb</i> Interline (32 oz) + AMS (5% v/v)	3.0	0	100	96	90	87	100	95	100	100	66 a
4	Preview 2.1SC (21 oz) <i>fb</i> InterMoc (2 qt) + AMS (5% v/v)	2.3	0	100	93	87	86	100	92	100	97	64 a
5	Preview 2.1SC (21 oz) + Moccasin (1.25 pt) <i>fb</i> InterMoc (2 qt) + AMS (5% v/v)	1.8	0	100	97	94	92	100	96	100	100	66 a
6	Preview 2.1SC (21 oz) + FirstRate (0.6 oz) <i>fb</i> InterMoc (2 qt) + AMS (5% v/v)	2.0	0	100	97	96	94	100	96	100	100	63 a
7	Tripzin ZC (43 oz) <i>fb</i> InterMoc (2 qt) + AMS (5% v/v)	1.3	0	100	89	85	79	100	90	100	98	62 a
8	Moccasin MTZ (42 oz) <i>fb</i> InterMoc (2 qt) + AMS (5% v/v)	1.8	0	100	95	92	88	100	98	100	100	62 a
9	Zidua PRO (6 oz) <i>fb</i> Liberty (32 oz) + Dual Magnum (1.33 pt) + AMS (5% v/v)	3.3	0	100	100	99	98	100	98	100	100	62 a
10	Boundary (29 fl oz) <i>fb</i> Liberty (32 oz) + Dual Magnum (1.33 pt) + AMS (5% v/v)	2.5	0	100	94	95	94	100	99	100	100	62 a
LSD ($\alpha=0.10$)		ns	ns	ns	6	6	6	ns	ns	ns	ns	5
p value		0.613	1.00	1.00	0.048	0.017	0.001	1.00	0.210	1.00	0.620	<0.001

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

^bYield values with the same letter are not significantly different.

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Plot pictures taken on 6/22
30 days after the PRE application

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

30 days after PRE (6/22)
Untreated Check

0%



30 days after PRE (6/22)
PRE: 21 fl oz Preview 2.1SC

92%







30 days after PRE (6/22)
PRE: 43 fl oz Tripzin ZC

89%





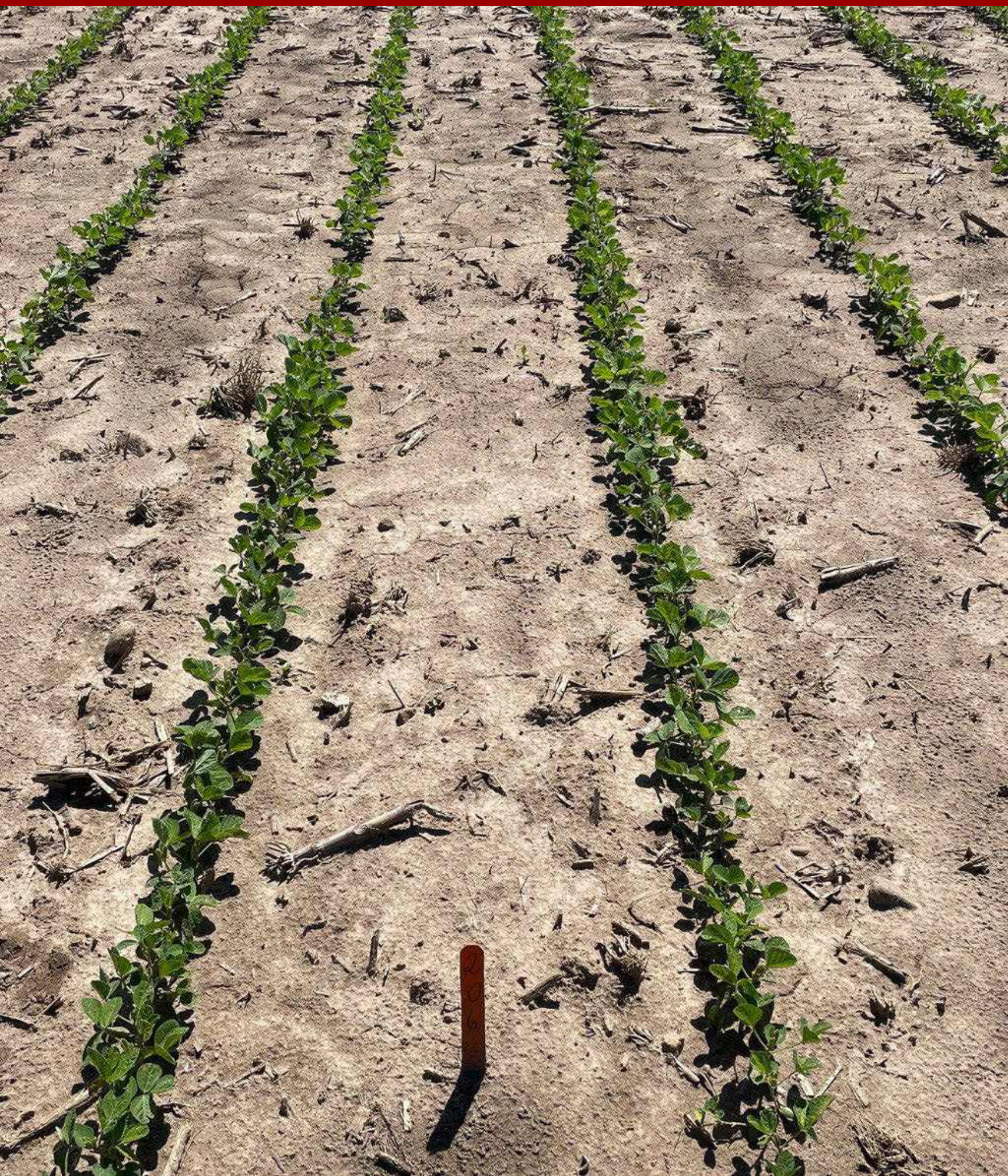
30 days after PRE (6/22)
PRE: 6 fl oz Zidua PRO

100%



30 days after PRE (6/22)
PRE: 29 fl oz Boundary

94%



Preview 2.1SC Herbicide Programs in Enlist Soybeans (Brooklyn, WI 2022)

Plot pictures taken on 6/28
35 days after the PRE application
The day before the POST application

35 days after PRE (6/28)
Untreated Check



35 days after PRE (6/28)
PRE: 21 fl oz Preview 2.1SC



35 days after PRE (6/28)
PRE: 21 fl oz Preview 2.1SC + 1.25 pt Moccasin



35 days after PRE (6/28)
PRE: 21 fl oz Preview 2.1SC + 0.6 oz FirstRate



35 days after PRE (6/28)
PRE: 43 fl oz Tripzin ZC



35 days after PRE (6/28)
PRE: 42 fl oz Moccasin MTZ



35 days after PRE (6/28)
PRE: 6 fl oz Zidua PRO



35 days after PRE (6/28)
PRE: 29 fl oz Boundary



Preview 2.1SC Herbicide Programs in Enlist Soybeans (Brooklyn, WI 2022)

Plot pictures taken on 7/13

50 days after the PRE application

14 days after the POST application

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

50 days after PRE (7/13)

0%

Untreated Check



14 days after POST (7/13)
PRE: 21 fl oz Preview 2.1SC *fb*
POST: 32 fl oz Interline + AMS

96%



14 days after POST (7/13)

PRE: 21 fl oz Preview 2.1SC + 1.25 pt Moccasin *fb*

90%

POST: 32 fl oz Interline + AMS



14 days after POST (7/13)
PRE: 21 fl oz Preview 2.1SC *fb*
POST: 2 qt InterMoc + AMS

87%



14 days after POST (7/13)

PRE: 21 fl oz Preview 2.1SC + 1.25 pt Moccasin *fb*

94%

POST: 2 qt InterMoc + AMS



14 days after POST (7/13)

PRE: 21 fl oz Preview 2.1SC + 0.6 oz FirstRate *fb*

96%

POST: 2 qt InterMoc + AMS



14 days after POST (7/13)
PRE: 43 fl oz Tripzin ZC *fb*
POST: 2 qt InterMoc + AMS

85%



14 days after POST (7/13)
PRE: 42 fl oz Moccasin MTZ *fb*
POST: 2 qt InterMoc + AMS

92%



14 days after POST (7/13)

PRE: 6 fl oz Zidua PRO *fb*

99%

POST: 32 fl oz Liberty + 1.33 pt Dual II Magnum + AMS



14 days after POST (7/13)

PRE: 29 fl oz Boundary *fb*

95%

POST: 32 fl oz Liberty + 1.33 pt Dual II Magnum + AMS



Preview 2.1SC Herbicide Programs in Enlist Soybeans (Brooklyn, WI 2022)

Plot pictures taken on 9/29

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



End of Season (9/29)

PRE: 21 fl oz Preview 2.1SC *fb*

93%

POST: 32 fl oz Interline + AMS



End of Season (9/29)

PRE: 21 fl oz Preview 2.1SC + 1.25 pt Moccasin *fb*

87%

POST: 32 fl oz Interline + AMS



End of Season (9/29)

PRE: 21 fl oz Preview 2.1SC *fb*

86%

POST: 2 qt InterMoc + AMS



End of Season (9/29)

PRE: 21 fl oz Preview 2.1SC + 1.25 pt Moccasin *fb*

92%

POST: 2 qt InterMoc + AMS



End of Season (9/29)

PRE: 21 fl oz Preview 2.1SC + 0.6 oz FirstRate *fb*

94%

POST: 2 qt InterMoc + AMS



End of Season (9/29)

PRE: 43 fl oz Tripzin ZC *fb*

79%

POST: 2 qt InterMoc + AMS



End of Season (9/29)

PRE: 42 fl oz Moccasin MTZ *fb*

88%

POST: 2 qt InterMoc + AMS



End of Season (9/29)

PRE: 6 fl oz Zidua PRO *fb*

98%

POST: 32 fl oz Liberty + 1.33 pt Dual II Magnum + AMS



End of Season (9/29)

PRE: 29 fl oz Boundary *fb*

94%

POST: 32 fl oz Liberty + 1.33 pt Dual II Magnum + AMS

