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) *fb* POST (6/29)				POST				POST				
2	Preview 2.1SC (21 oz) *fb* 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) *fb* 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) *fb* 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) *fb* 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) *fb* 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) *fb* 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) *fb* 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) *fb* 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) *fb* 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 (α=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

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

[b]Yield values with the same letter are not significantly different.

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

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

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

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

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

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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

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*
POST: 2 qt InterMoc + AMS
94%

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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*
POST: 32 fl oz Liberty + 1.33 pt Dual II Magnum + AMS
95%

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<u>Plot pictures taken on 9/29</u>

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*
POST: 32 fl oz Interline + AMS

93%

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

94%