

Evaluation of Preview 2.1SC for Residual Weed Control and Crop Safety (Brooklyn, WI 2021)

Trial Information

Trial Sponsor(s): UPL

Objective: Evaluate the efficacy and crop safety of Preview 2.1SC in Enlist soybeans

Crop: Enlist Soybean

Variety: P20T64E

Weed species (pressure): glyphosate-R waterhemp (high-very high)
velvetleaf (moderate-high)
common lambsquarters (moderate)
wild-proso millet (moderate)

Herbicide Application(s): PRE – 5/14
POST – 6/22 (V4/V5 soybean)

For the full report see trial #21-BRO-SB08 in the [2021 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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Trt #	Herbicide (rate acre ⁻¹)	Injury (%)		Waterhemp (%)				Velvetleaf (%)			Lambsquarters (%)			Wild-Proso Millet			Yield ^b bu acre ⁻¹
		6/4	6/21	6/9	6/21	7/8	9/28	6/21	7/8	9/28	6/21	7/8	9/28	6/21	7/8	9/28	
1	Untreated Check	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34 e
Two-Pass – PRE (5/14) fb POST (6/22)																	
2	Preview 2.1SC (18 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	2.8	0	97	92	100	94	97	100	100	100	100	100	96	100	100	62 abc
3	Preview 2.1SC (21.4 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	2.5	0	97	91	98	96	98	100	100	100	100	100	96	100	99	60 bcd
4	Boundary (29 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	6.5	0	97	90	99	92	81	100	93	100	100	100	95	100	100	61 abc
5	Boundary (36 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	10.8	0	97	92	99	92	86	100	98	100	100	100	100	100	100	61 abc
6	Authority MTZ (14 oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	4.8	0	92	82	98	99	90	100	100	100	100	100	84	100	100	66 ab
7	Authority First (6.45 oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	4.5	0	97	86	99	98	99	100	100	100	100	100	96	100	100	63 abc
8	Moccasin MTZ (42 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	3.5	0	97	91	100	94	81	100	98	100	100	100	96	100	100	65 ab
9	Zidua PRO (5 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	4.8	0	93	80	100	98	100	100	100	100	100	100	99	100	100	65 ab
10	Valor XLT (3 oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	10.0	0	90	75	98	97	99	100	98	100	100	100	92	100	98	58 cd
11	Tripzin ZC (44 fl oz) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	4.0	0	96	89	99	94	86	100	100	100	100	100	93	100	100	66 a
12	Satellite HydroCap (2 pt) fb Interline (32 fl oz) + Enlist One (32 fl oz) + AMS*	4.5	0	21	4	85	82	78	100	91	100	100	100	99	100	100	54 d
LSD ($\alpha=0.10$)		3.1	ns	6	5	4	5	6	ns	4	ns	ns	ns	7	ns	ns	6
p value		<.001	1.000	<.001	<.001	<.001	<.001	<.001	0.465	<.001	1.000	1.000	1.000	0.016	0.589	0.465	<0.001

*Spray grade AMS applied at 3 lb acre⁻¹

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

Evaluation of Preview 2.1SC for Residual Weed Control and Crop Safety (Brooklyn, WI 2021)

Plot pictures taken on 6/9
26 days after the PRE application

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

26 days after PRE (6/9)
Untreated Check

0%



**26 days after PRE (6/9)
PRE: 18 fl oz Preview 2.1SC**

97%



**26 days after PRE (6/9)
PRE: 21.1 fl oz Preview 2.1SC**

97%



**26 days after PRE (6/9)
PRE: 29 fl oz Boundary**

97%



26 days after PRE (6/9)
PRE: 36 fl oz Boundary

97%



3

26 days after PRE (6/9)

PRE: 14 oz Authority MTZ

92%



**26 days after PRE (6/9)
PRE: 6.45 oz Authority First DF**

97%



26 days after PRE (6/9)
PRE: 42 fl oz Moccasin MTZ

97%



26 days after PRE (6/9)
PRE: 5 fl oz Zidua PRO

93%



1

**26 days after PRE (6/9)
PRE: 3 oz Valor XLT**

90%



**26 days after PRE (6/9)
PRE: 44 fl oz Tripzin ZC**

96%



26 days after PRE (6/9)
PRE: 2 pt Satellite HydroCap

21%



3

Evaluation of Preview 2.1SC for Residual Weed Control and Crop Safety (Brooklyn, WI 2021)

Plot pictures taken on 6/21

38 days after the PRE application

The day before the POST application

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

38 days after PRE (6/21)

Untreated Check

0%



38 days after PRE (6/21)
PRE: 18 fl oz Preview 2.1SC

Waterhemp = 92%
Velvetleaf = 97%



38 days after PRE (6/21)
PRE: 21.1 fl oz Preview 2.1SC

Waterhemp = 91%
Velvetleaf = 98%



38 days after PRE (6/21)
PRE: 29 fl oz Boundary

Waterhemp = 90%
Velvetleaf = 81%



3

38 days after PRE (6/21)
PRE: 36 fl oz Boundary

Waterhemp = 92%
Velvetleaf = 86%



3

38 days after PRE (6/21)
PRE: 14 oz Authority MTZ

Waterhemp = 82%
Velvetleaf = 90%



38 days after PRE (6/21)
PRE: 6.45 oz Authority First DF

Waterhemp = 86%
Velvetleaf = 99%



38 days after PRE (6/21)
PRE: 42 fl oz Moccasin MTZ

Waterhemp = 91%
Velvetleaf = 81%



38 days after PRE (6/21)
PRE: 5 fl oz Zidua PRO

Waterhemp = 80%
Velvetleaf = 100%



38 days after PRE (6/21)
PRE: 3 oz Valor XLT

Waterhemp = 75%
Velvetleaf = 99%



38 days after PRE (6/21)

PRE: 44 fl oz Tripzin ZC

Waterhemp = 89%

Velvetleaf = 86%



38 days after PRE (6/21)
PRE: 2 pt Satellite HydroCap

Waterhemp = 4%
Velvetleaf = 78%



Evaluation of Preview 2.1SC for Residual Weed Control and Crop Safety (Brooklyn, WI 2021)

Plot pictures taken on 9/28
The day of soybean harvest

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

Soybean Harvest (9/28)

Untreated Check

0%



Soybean Harvest (9/28)

PRE: 18 fl oz Preview 2.1SC *fb*

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

94%



Soybean Harvest (9/28)
PRE: 21.1 fl oz Preview 2.1SC fb
POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

96%



Soybean Harvest (9/28)

PRE: 29 fl oz Boundary *fb*

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

92%



Soybean Harvest (9/28)

PRE: 36 fl oz Boundary *fb*

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

92%



Soybean Harvest (9/28)
PRE: 14 oz Authority MTZ fb
POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

99%



2Soybean Harvest (9/28)

PRE: 6.45 oz Authority First DF *fb*

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

98%



Soybean Harvest (9/28)
PRE: 42 fl oz Moccasin MTZ fb
POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

94%



Soybean Harvest (9/28)

PRE: 5 fl oz Zidua PRO fb

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

98%



Soybean Harvest (9/28)

PRE: 3 oz Valor XLT fb

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

97%



Soybean Harvest (9/28)

PRE: 44 fl oz Tripzin ZC fb

POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

94%



Soybean Harvest (9/28)
PRE: 2 pt Satellite HydroCap *fb*
POST: 32 fl oz Interline + 32 fl oz Enlist One + 3 lb AMS

82%

