

Liberty/Enlist One/Enlist Duo Efficacy in Enlist Soy Brooklyn, WI 2019

Trial Information

Trial Sponsor: BASF

Objective: Evaluate the value of Liberty in the Enlist soybean weed control system

Crop: Soybean

Variety: Enlist herbicide trait

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

Herbicide Application(s): PRE – 6/4

EPOST – 7/1 (V2 soybean)

LPOST – 7/18 (R1 soybean)

For the full report see the [2019 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

BASF
We create chemistry

Liberty/Enlist One/Enlist Duo Efficacy in Enlist Soy Brooklyn, WI 2019

Herbicide Treatment*	APP Timing	Waterhemp Control %		
		7/9	7/18	10/17
5 fl oz Verdict 56 fl oz Enlist Duo	PRE EPOST	87	88	43
5 fl oz Verdict 32 fl oz Liberty + 32 fl oz Roundup PowerMAX	PRE EPOST	98	76	25
5 fl oz Verdict 24 fl oz Enlist One + 32 fl oz Liberty	PRE EPOST	98	95	70
5 fl oz Verdict 24 fl oz Enlist One + 32 fl oz Liberty + 32 fl oz Roundup PM	PRE EPOST	96	95	53
5 fl oz Verdict 32 fl oz Liberty + 32 fl oz Roundup PowerMAX 56 fl oz Enlist Duo	PRE EPOST LPOST	96	73	95
5 fl oz Verdict 56 fl oz Enlist Duo 32 fl oz Liberty + 32 fl oz Roundup PowerMAX	PRE EPOST LPOST	87	86	91

*All POST treatments with Liberty included 3 lb/acre dry AMS

27 days after PRE (7/1)

Untreated Check



27 days after PRE (7/1)

PRE: 5 fl oz Verdict



27 days after PRE (7/1)

Untreated Check



5 fl oz Verdict



Tavium plus VaporGrip® Efficacy in Xtend Soybean Brooklyn, WI 2019

Plot pictures taken on 10/17
End-of-Season

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

End-of-Season (10/17)

Untreated Check

0%



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

EPOST: 56 fl oz Enlist Duo

43%



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

25%

EPOST: 32 fl oz Liberty + 32 fl oz Roundup PowerMAX



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

70%

EPOST: 24 fl oz Enlist One + 32 fl oz Liberty



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

53%

EPOST: 24 fl oz Enlist One + 32 fl oz Liberty + 32 fl oz Roundup PM



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

EPOST: 32 fl oz Liberty + 32 fl oz Roundup PowerMAX *fb*

LPOST: 56 fl oz Enlist Duo

95%



End-of-Season (10/17)

PRE: 5 fl oz Verdict *fb*

EPOST: 56 fl oz Enlist Duo *fb*

LPOST: 32 fl oz Liberty + 32 fl oz Roundup PowerMAX

91%



End-of-Season (10/17)

Untreated Check

0%

**PRE: 5 fl oz Verdict *fb*
EPOST: 56 fl oz Enlist Duo**

43%

**PRE: 5 fl oz Verdict *fb*
EPOST: 56 fl oz Enlist Duo *fb*
LPOST: 32 fl oz Liberty+32 fl oz Roundup PM**

91%

End-of-Season (10/17)

Untreated Check

0%

**PRE: 5 fl oz Verdict *fb*
EPOST: 32 fl oz Liberty+32 fl oz Roundup PM**

25%

**PRE: 5 fl oz Verdict *fb*
EPOST: 32 fl oz Liberty+32 fl oz Roundup PM
LPOST: 56 fl oz Enlist Duo**

95%