Trial Information

Trial Sponsor(s): Syngenta

Objective: Compare Syngenta soybean herbicide programs

to industry standards for waterhemp

management in early planted Enlist soybeans

Crop: Enlist Soybean

Variety: NK24-G7E3

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

velvetleaf (moderate)

Herbicide Application(s): PRE - 4/27

PPOST – 6/16 (V3/V4 soybean)

For the full report see trial #22-BRO-SB11 in the 2022 Wisconsin Weed Science Research Report





		Injury (%)		Waterhemp (%)					Yield ^b
Trt #	Herbicide (rate acre ⁻¹)	6/3	6/29	6/3	6/14	6/29	7/13	9/29	bu acre ⁻¹
1	Untreated Check	0	0	0	0	0	0	0	26 b
Two	Two Pass – PRE (4/27) fb POST (6/16)		POST		POST				
2	Boundary (2 pt) fb Sequence (3.5 pt) + Enlist One (32 oz) + Class Act Ridion (1% v/v)	3.3	1 1 4.5	94	55	69	72	76	68 a
3	Tendovo (2.1 qt) fb Sequence (3.5 pt) + Enlist One (32 oz) + Class Act Ridion (1% v/v)	4.0	I I 4.3 I	92	64	71	70	75	64 a
4	Boundary (2 pt) fb Prefix (2 pt) + Roundup PM3 (26 oz) + Enlist One (32 oz) + AMS*	3.8	1 1 15.0	82	51	77	74	66	65 a
5	Tendovo (2.1 qt) fb Prefix (2 pt) + Roundup PM3 (26 oz) + Enlist One (32 oz) + AMS*	3.8	I I 15.0 I	89	61	79 	75	70	66 a
6	Prefix (2 pt) + Canopy (2.25 oz) fb Sequence (3.5 pt) + Enlist One (32 oz) + Class Act Ridion (1% v/v)	4.5	4.0	97	81	78	80	80	68 a
7	Sonic (6 oz) fb Sequence (3.5 pt) + Enlist One (32 oz) + Class Act Ridion (1% v/v)	3.3	I I 4.3 I	91	61	I I 69 I	74	85	68 a
8	Zidua PRO (6 oz) fb Sequence (3.5 pt) + Enlist One (32 oz) + Class Act Ridion (1% v/v)	3.3	4.3	98	78	81	78	78	66 a
9	Fierce XLT (3.75 oz) fb Roundup PM3 (26 oz) + Enlist One (32 oz) + Warrant (48 oz) + AMS*	4.5	I I 3.5 I	98	80	 86 	84	82	68 a
	LSD (α=0.10)	ns	0.6	7	10	5	6	5	5
	p value	0.452	<.001	0.013	<.001	<.001	0.019	<.001	<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.

^{*}Spray grade AMS applied at 8.5 lb/100 gal.

Plot pictures taken on 6/3
37 days after the PRE application

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















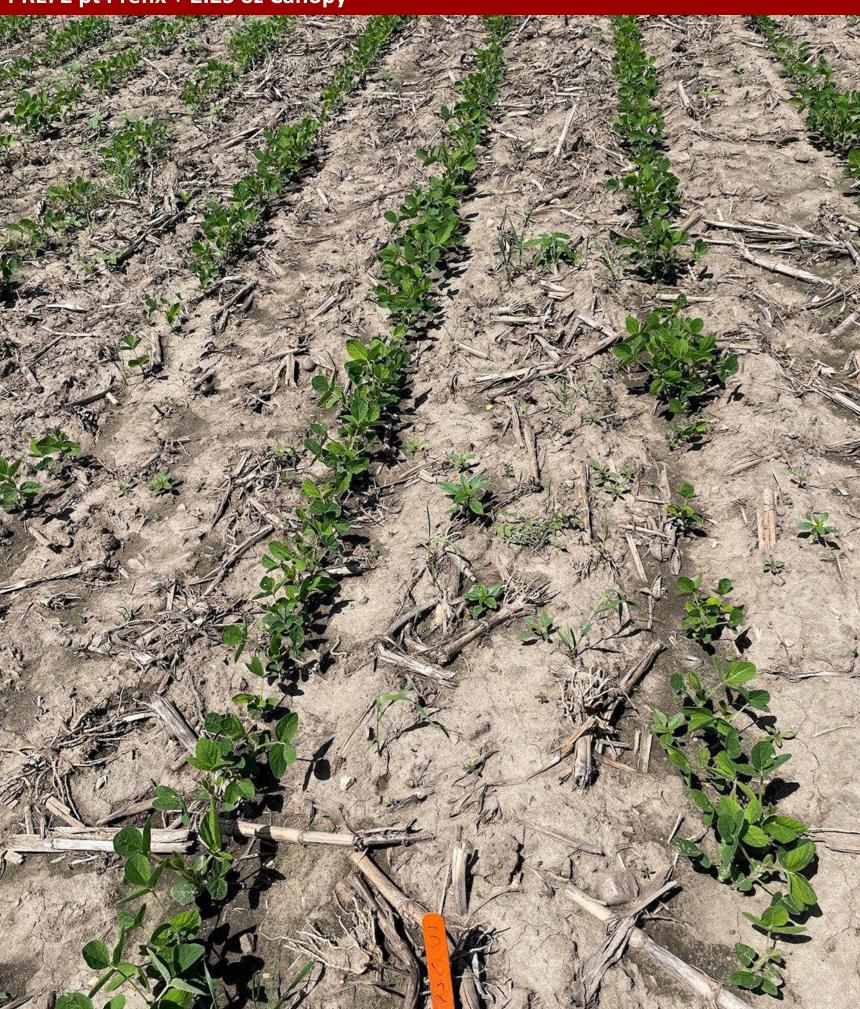
Plot pictures taken on 6/14
48 days after the PRE application
2 days before the POST application

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















Plot pictures taken on 7/13
77 days after the PRE application
27 days after the POST application

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







POST: 2 pt Prefix + 26 fl oz Roundup PM3 + 32 fl oz Enlist One + AMS



PRE: 2.1 qt Tendovo fb

POST: 2 pt Prefix + 26 fl oz Roundup PM3 + 32 fl oz Enlist One + AMS



PRE: 2 pt Prefix + 2.25 oz Canopy fb



PRE: 6 oz Sonic fb





POST: 26 fl oz Roundup PM3 + 32 fl oz Enlist One + 48 fl oz Warrant + AMS



Plot pictures taken on 9-29

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





PRE: 2.1 qt Tendovo fb



POST: 2 pt Prefix + 26 fl oz Roundup PM3 + 32 fl oz Enlist One + AMS



PRE: 2.1 qt Tendovo fb

POST: 2 pt Prefix + 26 fl oz Roundup PM3 + 32 fl oz Enlist One + AMS



PRE: 2 pt Prefix + 2.25 oz Canopy fb







PRE: 3.75 oz Fierce XLT fb

POST: 26 fl oz Roundup PM3 + 32 fl oz Enlist One + 48 fl oz Warrant + AMS

