

POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Trial Information

Trial Sponsor(s): Valent

Objective: Evaluate early POST and sequential split applications of Maverick*

Crop: Corn

Hybrid: Dekalb DKC 54-38 RIB

Weed species (pressure): Giant ragweed (high-very high)

Herbicide Application(s): PRE – 4/27

EPOST – 5/21 (V2 corn)

POST – 6/8 (V5/V6 corn)

*Maverick is a suspension concentrate that contains 0.523 lb clopyralid, 0.825 lb mesotrione, and 0.690 lb of pyroxasulfone per gallon. Maverick is not yet registered for use at the time of publication of this report.

For the full report see trial #21-ROK-CN06 in the [2021 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



POST and Sequential Weed Control with Maverick Janesville, WI 2021

Trt # Herbicide (rate acre ⁻¹)	Crop Injury ^c (%)		Giant Ragweed Control (%)				Yield ^b bu acre ⁻¹	
	5/26	6/7	5/26	6/7	6/18	11/2		
1 Untreated Check	0	0	0	0	0	0	11 d	
One-Pass – EPOST (5/21)								
2 Acuron (1.5 qt) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	2.3	0	85	76	53	16	56 c	
3 Halex GT (4 pt) + NIS 0.25% v/v + AMS	3.3	0	86	78	55	19	53 c	
4 Armezon PRO (24 oz) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	1.3	0	91	79	57	25	66 c	
5 Resicore (44 oz) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	4.3	0	90	79	56	20	68 c	
6 Maverick ^d (14 oz) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	3.5	0	90	78	58	19	64 c	
7 Maverick ^d (14 oz) + AAtrex (1.5 pt) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	2.5	0	95	85	73	34	101 b	
Two-Pass – PRE (4/27) fb POST (6/8)								
8 Acuron (1.5 qt) <i>fb</i> Acuron (1.5 qt) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	0	0	82	73	99	100	221 a	
9 Maverick ^d (18 oz) <i>fb</i> Maverick ^d (14 oz) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	0	0	77	61	97	98	209 a	
10 Maverick ^d (18 oz) + AAtrex (1 pt) <i>fb</i> Maverick ^d (14 oz) + AAtrex (1 pt) + Roundup PM II (32 oz) + NIS 0.25% v/v + AMS	0	0	76	60	99	99	224 a	
	LSD ($\alpha=0.10$)	0.6	ns	5	10	10	14	26
	p value	<0.001	ns	<0.001	0.003	<0.001	<0.001	<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.

^cVisual corn injury rated was leaf necrosis.

^dMaverick is a suspension concentrate that contains 0.523 lb clopyralid, 0.825 lb mesotrione, and 0.690 lb of pyroxasulfone per gallon. Maverick is not yet registered for use at the time of publication of this report.

POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Plot pictures taken on 5/21
24 days after the PRE application
The day of the EPOST application

24 days after PRE (5/21)
Untreated Check



24 days after PRE (5/21)
PRE: 1.5 qt Acuron



24 days after PRE (5/21)
PRE: 18 fl oz Maverick



24 days after PRE (5/21)
PRE: 18 fl oz Maverick + 1 pt AAtrex



POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Plot pictures taken on 5/26
29 days after the PRE application
5 days after the EPOST application

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

29 days after PRE (5/26)
Untreated Check

0%



5 days after EPOST (5/26)

EPOST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

85%



5 days after EPOST (5/26)
EPOST: 4 pt Halex GT + NIS + AMS

86%



5 days after EPOST (5/26)

EPOST: 24 fl oz Armezon PRO + 32 fl oz Roundup PM + NIS + AMS

91%



5 days after EPOST (5/26)

EPOST: 44 fl oz Resicore + 32 fl oz Roundup PM + NIS + AMS

90%



5 days after EPOST (5/26)

EPOST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS

90%



5 days after EPOST (5/26)

EPOST: 14 fl oz Maverick + 1.5 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS **95%**



29 days after PRE (5/26)
PRE: 1.5 qt Acuron

82%



29 days after PRE (5/26)
PRE: 18 fl oz Maverick

77%



29 days after PRE (5/26)
PRE: 18 fl oz Maverick + 1 pt AAtrex

76%



POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Plot pictures taken on 6/7

41 days after the PRE application

17 days after the EPOST application

1 day before the POST application

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

41 days after PRE (6/7)
Untreated Check

0%



17 days after EPOST (6/7)

EPOST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

76%



17 days after EPOST (6/7)
EPOST: 4 pt Halex GT + NIS + AMS

78%



17 days after EPOST (6/7)

EPOST: 24 fl oz Armezon PRO + 32 fl oz Roundup PM + NIS + AMS

79%



17 days after EPOST (6/7)

EPOST: 44 fl oz Resicore + 32 fl oz Roundup PM + NIS + AMS

79%



17 days after EPOST (6/7)

EPOST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS

78%



17 days after EPOST (6/7)

EPOST: 14 fl oz Maverick + 1.5 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS 85%



41 days after PRE (6/7)
PRE: 1.5 qt Acuron

73%



41 days after PRE (6/7)
PRE: 18 fl oz Maverick

61%



41 days after PRE (6/7)
PRE: 18 fl oz Maverick + 1 pt AAtrex

60%



POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Plot pictures taken on 6/18

52 days after the PRE application

28 days after the EPOST application

10 days after the POST application

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

52 days after PRE (6/18)
Untreated Check

0%



28 days after EPOST (6/18)

EPOST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

53%



28 days after EPOST (6/18)
EPOST: 4 pt Halex GT + NIS + AMS

55%



28 days after EPOST (6/18)

EPOST: 24 fl oz Armezon PRO + 32 fl oz Roundup PM + NIS + AMS

57%



28 days after EPOST (6/18)

EPOST: 44 fl oz Resicore + 32 fl oz Roundup PM + NIS + AMS

56%



28 days after EPOST (6/18)

EPOST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS

58%



28 days after EPOST (6/18)

EPOST: 14 fl oz Maverick + 1.5 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS **73%**



10 days after POST (6/18)

PRE: 1.5 qt Acuron *fb*

POST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

99%



10 days after POST (6/18)

PRE: 18 fl oz Maverick *fb*

97%

POST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS



10 days after POST (6/18)

PRE: 18 fl oz Maverick + 1 pt AAtrex *fb*

99%

POST: 14 fl oz Maverick + 1 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS



POST and Sequential Weed Control w/Maverick Janesville, WI 2021

Plot pictures taken on 7/20

84 days after the PRE application

60 days after the EPOST application

42 days after the POST application

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

84 days after PRE (7/20)

Untreated Check

0%



60 days after EPOST (7/20)

EPOST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

18%



60 days after EPOST (7/20)
EPOST: 4 pt Halex GT + NIS + AMS

16%



60 days after EPOST (7/20)

EPOST: 24 fl oz Armezon PRO + 32 fl oz Roundup PM + NIS + AMS

26%



60 days after EPOST (7/20)

EPOST: 44 fl oz Resicore + 32 fl oz Roundup PM + NIS + AMS

21%



60 days after EPOST (7/20)

EPOST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS

18%



60 days after EPOST (7/20)

EPOST: 14 fl oz Maverick + 1.5 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS 39%



42 days after POST (7/20)

PRE: 1.5 qt Acuron *fb*

POST: 1.5 qt Acuron + 32 fl oz Roundup PM + NIS + AMS

99%



42 days after POST (7/20)

PRE: 18 fl oz Maverick *fb*

POST: 14 fl oz Maverick + 32 fl oz Roundup PM + NIS + AMS

97%



42 days after POST (7/20)

PRE: 18 fl oz Maverick + 1 pt AAtrex *fb*

98%

POST: 14 fl oz Maverick + 1 pt AAtrex + 32 fl oz Roundup PM + NIS + AMS

