

Bayer Corn Herbicide Programs

Janesville, WI 2020

Trial Information

Trial Sponsor: Bayer

Objective: Gain exposure to Bayer corn herbicide product offerings to support potential recommendations

Crop: Corn

Hybrid: Dekalb DKC 54-38 RIB

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

Herbicide Application(s): PRE – 5/4

Early POST – 5/27 (V1 corn)

POST – 6/8 (V4/V5 corn)

For the full report see trial #20-ROK-CN01 in the [2020 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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Herbicide Treatment*	APP Timing	Giant Ragweed Control %				Yield bu/acre
		5/27	6/8	6/22	10/20	
1 qt Triple Flex II + 2 pt atrazine 4L	PRE	82	64	46	43	178
75 fl oz Harness Max + 2 pt atrazine 4L	PRE	85	83	71	53	239
2.75 qt Acuron	PRE	88	91	79	82	257
3 qt Degree XTRA + 3 fl oz Capreno + 32 fl oz Roundup PowerMAX II	EPOST	-	87	77	76	256
64 fl oz Harness Max + 2 pt atrazine 4L + 32 fl oz Roundup PowerMAX II	EPOST	-	88	87	97	271
3 qt Degree XTRA + 8 fl oz DiFlexx + 32 fl oz Roundup PowerMAX II	EPOST	-	89	82	82	274
3.6 pt Halex GT + 2 pt atrazine 4L	EPOST	-	85	68	73	266
55 fl oz Harness Max + 2 pt atrazine 4L <i>fb</i> 3 fl oz Capreno + 32 fl oz Roundup PM II	PRE POST	83	83	94	92	266
2 qt Harness XTRA 5.6L <i>fb</i> 3 fl oz Capreno + 32 fl oz Roundup PM II	PRE POST	81	55	93	92	279
1.5 qt Acuron <i>fb</i> 3.6 pt Halex GT + 2 pt atrazine 4L	PRE POST	79	79	99	100	268
Untreated Check	-	0	0	0	0	101
LSD (0.10)		5	11	8	15	39
p-value		0.08	<0.01	<0.01	<0.01	<0.01

*All POST treatments included appropriate adjuvants

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Plot pictures taken on 5/27

23 days after the PRE application
The day of the Early POST application

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

23 days after PRE (5/27)

Untreated Check

0%



23 days after PRE (5/27)

PRE: 1 qt TripleFlex II + 2 pt atrazine 4L

82%



23 days after PRE (5/27)

PRE: 75 fl oz Harness MAX + 2 pt atrazine 4L

85%



23 days after PRE (5/27)

PRE: 2.75 qt Acuron

88%



23 days after PRE (5/27)

PRE: 55 fl oz Harness MAX + 2 pt atrazine 4L

83%



**23 days after PRE (5/27)
PRE: 2 qt Harness XTRA 5.6L**

81%



23 days after PRE (5/27)

PRE: 1.5 qt Acuron

79%



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Plot pictures taken on 6/8

35 days after the PRE application

12 days after Early POST application

The day of the POST application

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

35 days after PRE (6/8)
Untreated Check

0%



35 days after PRE (6/8)

PRE: 1 qt TripleFlex II + 2 pt atrazine 4L

64%



35 days after PRE (6/8)

PRE: 75 fl oz Harness MAX + 2 pt atrazine 4L

83%



35 days after PRE (6/8)
PRE: 2.75 qt Acuron

91%



12 days after EPOST (6/8)

87%

EPOST: 3 qt Degree XTRA + 3 fl oz Capreno + 32 fl oz Roundup PowerMAX



12 days after EPOST (6/8)

EPOST: 64 fl oz Harness MAX + 2 pt atrazine + 32 fl oz Roundup PowerMAX

88%



12 days after EPOST (6/8)

89%

EPOST: 3 qt Degree XTRA + 8 fl oz DiFlexx + 32 fl oz Roundup PowerMAX



12 days after EPOST (6/8)

EPOST: 3.6 pt Halex GT + 2 pt atrazine

85%



35 days after PRE (6/8)

PRE: 55 fl oz Harness MAX + 2 pt atrazine 4L

83%



**35 days after PRE (6/8)
PRE: 2 qt Harness XTRA 5.6L**

55%



35 days after PRE (6/8)
PRE: 1.5 qt Acuron

79%



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Plot pictures taken on 6/22

49 days after the PRE application

26 days after Early POST application

14 days after the POST application

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

49 days after PRE (6/22)

Untreated Check

0%



49 days after PRE (6/22)

PRE: 1 qt TripleFlex II + 2 pt atrazine 4L

46%



49 days after PRE (6/22)

PRE: 75 fl oz Harness MAX + 2 pt atrazine 4L

71%



49 days after PRE (6/22)

PRE: 2.75 qt Acuron

79%



26 days after EPOST (6/22)

77%

EPOST: 3 qt Degree XTRA + 3 fl oz Capreno + 32 fl oz Roundup PowerMAX



26 days after EPOST (6/22)

EPOST: 64 fl oz Harness MAX + 2 pt atrazine + 32 fl oz Roundup PowerMAX

87%



26 days after EPOST (6/22)

82%

EPOST: 3 qt Degree XTRA + 8 fl oz DiFlexx + 32 fl oz Roundup PowerMAX



26 days after EPOST (6/22)

EPOST: 3.6 pt Halex GT + 2 pt atrazine

68%



14 days after POST (6/22)

PRE: 55 fl oz Harness MAX + 2 pt atrazine 4L fb

POST: 3 fl oz Capreno + 32 fl oz Roundup PowerMAX II

94%



14 days after POST (6/22)

PRE: 2 qt Harness XTRA 5.6L fb

POST: 3 fl oz Capreno + 32 fl oz Roundup PowerMAX II

93%



14 days after POST (6/22)

PRE: 1.5 qt Acuron fb

POST: 3.6 pt Halex GT + 2 pt atrazine 4L

99%

