

# Corn Herbicide Evaluation: 1 and 2-Pass Programs with Atrazine (Janesville, WI 2019)

## Trial Information

Trial Sponsors: AMVAC, Bayer, Syngenta

Objective: Evaluate various corn herbicide programs for season long giant ragweed control.

Crop: Corn

Hybrid: Wyfels W4358

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

Herbicide Application(s): PRE – 5/15

Early POST – 6/3 (V2 corn)

POST – 6/13 (V4 corn)

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



Cropping Systems Weed Science  
UNIVERSITY OF WISCONSIN-MADISON



**AMVAC**<sup>TM</sup>  
An American Vanguard Company



**syngenta**

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Herbicide Treatment*	APP Timing	Giant Ragweed Control %		
		6/3	6/20	7/2
3 qt Acuron	PRE	89	83	68
1.5 qt Acuron	PRE	70	92	88
3.6 pt Halex GT + 1 pt Aatrex	POST			
1.75 qt Acuron	PRE	65	91	83
20 fl oz Callisto Xtra + 32 fl oz Roundup PowerMAX	POST			
4 pt Halex GT + 1 pt Aatrex	EPOST	0	84	75
4.5 fl oz Corvus + 46 fl oz Aatrex	PRE	81	92	83
32 fl oz Roundup PowerMAX	POST			
3 fl oz Capreno + 32 fl oz Roundup PM + 2 qt Warrant	EPOST	0	83	68
3.2 pt Harness XTRA 5.6L	PRE	66	87	86
10.7 fl oz ImpactZ	POST			
1.75 pt Harness + 1 fl oz Impact + 1 pt Aatrex	EPOST	0	81	71

\*All POST treatments included appropriate adjuvants

# Corn Herbicide Evaluation: 1 and 2-Pass Programs with Atrazine (Janesville, WI 2019)

Plot pictures taken on 6/3

19 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

**19 days after PRE (6/3)**

**Untreated Check**

**0%**



19 days after PRE (6/3)

PRE: 3 qt Acuron

89%



19 days after PRE (6/3)

PRE: 1.5 qt Acuron

70%



**19 days after PRE (6/3)  
PRE: 1.75 qt Acuron**

**65%**



**19 days after PRE (6/3)**

**PRE: 4.5 fl oz Corvus + 46 fl oz Aatrex**

**81%**



**19 days after PRE (6/3)  
PRE: 3.2 pt Harness XTRA 5.6L**

**66%**



# Corn Herbicide Evaluation: 1 and 2-Pass Programs with Atrazine (Janesville, WI 2019)

Plot pictures taken on 6/13

29 days after the PRE application

10 days after Early POST application

The day of the POST application

**29 days after PRE (6/13)**

**Untreated Check**



29 days after PRE (6/13)

PRE: 3 qt Acuron



29 days after PRE (6/13)

PRE: 1.5 qt Acuron



29 days after PRE (6/13)

PRE: 1.75 qt Acuron



**10 days after EPOST (6/13)**  
**EPOST: 4 pt Halex GT + 1 pt Aatrex**



**29 days after PRE (6/13)**

**PRE: 4.5 fl oz Corvus + 46 fl oz Aatrex**



**10 days after EPOST (6/13)**

**EPOST: 3 fl oz Capreno + 32 fl oz Roundup PowerMAX + 2 qt Warrant**



**29 days after PRE (6/13)**  
**PRE: 3.2 pt Harness XTRA 5.6L**



**10 days after EPOST (6/13)**

**EPOST: 1.75 pt Harness + 1 fl oz Impact + 1 pt Aatrex**



# Corn Herbicide Evaluation: 1 and 2-Pass Programs with Atrazine (Janesville, WI 2019)

Plot pictures taken on 6/20

36 days after the PRE application

17 days after Early POST application

7 days after the POST application

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

**36 days after PRE (6/20)**

**Untreated Check**

**0%**



36 days after PRE (6/20)

3 qt Acuron

83%



7 days after POST (6/20)

PRE: 1.5 qt Acuron *fb* POST: 3.6 pt Halex GT + 1 pt Aatrex

92%



**7 days after POST (6/20)**

**PRE: 1.75 qt Acuron fb POST: 20 fl oz Callisto Xtra + 32 fl oz Roundup PM**

**91%**



17 days after EPOST (6/20)

EPOST: 4 pt Halex GT + 1 pt Aatrex

84%



7 days after POST (6/20)

PRE: 4.5 fl oz Corvus + 46 fl oz Aatrex *fb* POST: 32 fl oz Roundup PM

92%



17 days after EPOST (6/20)

EPOST: 3 fl oz Capreno + 32 fl oz Roundup PowerMAX + 2 qt Warrant

83%



7 days after POST (6/20)

PRE: 3.2 pt Harness XTRA 5.6L *fb* POST: 10.7 fl oz ImpactZ

87%



17 days after EPOST (6/20)

EPOST: 1.75 pt Harness + 1 fl oz Impact + 1 pt Aatrex

81%

