

Evaluation of Acuron GT in a 2-Pass System

Janesville, WI 2020

Trial Information

Trial Sponsors: Syngenta

Objective: Evaluate differences in weed control and crop safety among 2-pass programs of Acuron GT and other competitor programs

Crop: Corn

Hybrid: NK9535-3220-EZ1

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

Herbicide Application(s): PRE – 5/4

POST – 6/5 (V4 corn)

For the full report see trial #20-ROK-CN09 in the [2020 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

syngenta

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Herbicide Treatment*	APP Timing	Giant Ragweed Control %			Yield bu/acre
		6/5	7/2	10/21	
1 qt Bicep Lite II Magnum fb 3.75 pt Acuron GT	PRE POST	18	90	93	240
1.5 qt Lumax EZ fb 3.75 pt Acuron GT	PRE POST	76	91	99	241
1.75 pt SureStart II fb 3.75 pt Acuron GT	PRE POST	49	89	94	241
1.5 pt Harness fb 3.75 pt Acuron GT	PRE POST	44	85	95	239
14 fl oz Verdict fb 3.75 pt Acuron GT	PRE POST	72	90	90	232
1.75 pt SureStart II fb 1.25 qt Resicore + 27 fl oz Roundup PowerMAX	PRE POST	54	85	91	243
1.5 pt Harness fb 3 fl oz Laudis + 27 fl oz Roundup PowerMAX	PRE POST	29	77	81	227
14 fl oz Verdict fb 20 fl oz Armezon PRO + 27 fl oz Roundup PowerMAX	PRE POST	68	90	93	231
14 fl oz Verdict fb 5 oz Status + 27 fl oz Roundup PowerMAX	PRE POST	66	89	90	250
1.5 pt Harness fb 3 fl oz Capreno + 27 fl oz Roundup PowerMAX	PRE POST	31	76	85	231
Untreated Check	-	0	0	0	21
		LSD (0.10)	16	8	ns
		p-value	<0.01	0.02	ns
					<0.01

*All POST treatments included appropriate adjuvants

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Plot pictures taken on 6/5

32 days after the PRE application
The day of the POST application

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

32 days after PRE (6/5)

Untreated Check

0%



32 days after PRE (6/5)
PRE: 1 qt Bicep Lite II Magnum

18%



32 days after PRE (6/5)
PRE: 1.5 qt Lumax EZ

76%



32 days after PRE (6/5)
PRE: 1.75 pt SureStart II

52%



32 days after PRE (6/5)
PRE: 1.5 pt Harness

35%



**32 days after PRE (6/5)
PRE: 14 fl oz Verdict**

69%



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Plot pictures taken on 7/2

59 days after the PRE application

27 days after the POST application

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

59 days after PRE (7/2)
Untreated Check

0%



27 days after POST (7/2)

PRE: 1 qt Bicep Lite II Magnum *fb*

POST: 3.75 pt Acuron GT

90%



27 days after POST (7/2)

PRE: 1.5 qt Lumax EZ fb

POST: 3.75 pt Acuron GT

91%



27 days after POST (7/2)
PRE: 1.75 pt SureStart II fb
POST: 3.75 pt Acuron GT

89%



27 days after POST (7/2)

PRE: 1.5 pt Harness *fb*

POST: 3.75 pt Acuron GT

85%



27 days after POST (7/2)

PRE: 14 fl oz Verdict *fb*

POST: 3.75 pt Acuron GT

90%



27 days after POST (7/2)

PRE: 1.75 pt SureStart II fb

POST: 1.25 qt Resicore + 27 fl oz Roundup PowerMAX

85%



27 days after POST (7/2)

PRE: 1.5 pt Harness fb

POST: 3 fl oz Laudis + 27 fl oz Roundup PowerMAX

77%



27 days after POST (7/2)

PRE: 1.5 pt Harness fb

POST: 3 fl oz Capreno + 27 fl oz Roundup PowerMAX

76%



27 days after POST (7/2)

PRE: 14 fl oz Verdict *fb*

POST: 20 fl oz Armezon PRO + 27 fl oz Roundup PowerMAX

90%



27 days after POST (7/2)

PRE: 14 fl oz Verdict *fb*

POST: 5 oz Status + 27 fl oz Roundup PowerMAX

89%

