

2020 WiscWeeds Giant Ragweed Comparison of POST-emergence Soybean and Corn Herbicides

Rock County Farm, WI



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

Disclaimer & Acknowledgements

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The purpose of this handout is to share on-going research trials with crop production clientele of Wisconsin. Information herein does not constitute a recommendation or endorsement of any particular product or practice. Information herein also does not replace any information presented on pesticide labels. More complete product use guidelines are given through the University of Wisconsin Extension publication:

A3646, Pest Management in Wisconsin Field Crops

Despite careful proof reading, there may be some errors in the report.

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Valent

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Wisconsin Corn Promotion Board

Wisconsin Soybean Marketing Board

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2020 Trial Description

- Rock County Farm, Janesville, WI
- Conventional tillage
- Soil type: Plano silt loam (3.3% OM, pH=6.7)
- Bareground study **sprayed May 27, 2020** (2-4" giant ragweed)
- 15 GPA; 110015 TTJ for all treatments but Xtendimax and Enlist One (110015 TTI used instead)
- **Pictures taken on June 12, 2020** (~2 weeks after treatment)

2020 Bareground Study Treatments

Trt #	Treatment	Formulation	SOA Group	Rate	App Timing	App Code
1	Pursuit COC AMS	3 lb/gal	2	4 fl oz/a 1.25% v/v 2 lb/a	POST POST POST	A A A
2	Classic COC AMS	25% w/w	2	0.75 oz/a 1% v/v 2 lb/a	POST POST POST	A A A
3	FirstRate COC AMS	84% w/w	2	0.3 oz/a 1.2% v/v 2 lb/a	POST POST POST	A A A
4	Python COC AMS	80% w/w	2	1 oz/a 1% v/v 2 lb/a	POST POST POST	A A A
5	XtendiMax Class Act Ridion	2.89 lbae/gal	4	22 fl oz/a 1% v/v	POST POST	A A
6	Enlist One AMS	3.8 lbae/gal	4	24 fl oz/a 2 lb/a	POST POST	A A
7	Stinger	3 lbae/gal	4	6 fl oz/a	POST	A
8*	Aatrex COC	4 lb/gal	5	2 pt/a 1 qt/a	POST POST	A A
9	Buctril	2 lb/gal	6	1.5 pt/a	POST	A
10	Basagran 5L COC AMS	5 lb/gal	6	1.6 pt/a 1% v/v 2 lb/a	POST POST POST	A A A
11	Roundup PowerMAX AMS	4.5 lbae/gal	9	32 fl oz/a 2 lb/a	POST POST	A A
12	Liberty AMS	2.34 lb/gal	10	32 fl oz/a 2 lb/a	POST POST	A A

Trt #	Treatment	Formulation	SOA Group	Rate	App Timing	App Code
13	Cobra COC AMS	2 lb/gal	14	12.5 fl oz/a 1.5 pt/a 2 lb/a	POST POST POST	A A A
14	Flexstar MSO AMS	1.88 lb/gal	14	1 pt/a 1% v/v 2 lb/a	POST POST POST	A A A
15	Cadet COC AMS	0.91 lb/gal	14	0.9 fl oz/a 1% v/v 2 lb/a	POST POST POST	A A A
16	Resource COC AMS	0.86 lb/gal	14	8 fl oz/a 1 qt/a 2 lb/a	POST POST POST	A A A
17	Callisto COC AMS	4 lb/gal	27	3 fl oz/a 1% v/v 2 lb/a	POST POST POST	A A A
18	Laudis MSO AMS	3.5 lb/gal	27	3 fl oz/a 1% v/v 2 lb/a	POST POST POST	A A A
19	Armezon MSO AMS	2.8 lb/gal	27	0.75 fl oz/a 1% v/v 2 lb/a	POST POST POST	A A A
20	Balance Flexx MSO AMS	2 lb/gal	27	5 fl oz/a 1% v/v 2 lb/a	POST POST POST	A A A

Adjutants: COC = Crop Oil; MSO=Premium MSO; Non-AMS water conditioner=Class Act Ridion

A = application to 2-4" tall giant ragweed (May 27, 2020)

What should I be looking at?



The purpose of this study was to compare burndown (POST) control of giant ragweed; thus focus on presence/absence of large giant ragweed plants in each treatment. Some of the products also have soil residual activity explaining why no newly emerged plants are observed in some treatments. Some treatments also have presence of uncontrolled grass weeds.

Trt #1 - Pursuit



Trt #1 - Pursuit (imazethapyr; Group 2)



Trt # 2 - Classic



Trt # 2 - Classic (chlorimuron-ethyl; Group 2)



Trt # 3 - FirstRate



Trt # 3 - FirstRate (cloransulam-methyl; Group 2)



Trt # 4 - Python



Trt # 4 - Python (flumetsulam; Group 2)



Trt # 5 - XtendiMax



Trt # 5 - XtendiMax (dicamba; Group 4)



Trt # 6 - Enlist One



Trt # 6 - Enlist One (2,4-D choline; Group 4)



Trt # 7 - Stinger



Trt # 7 - Stinger (clopyralid, Group 4)



Trt # 8 - Aatrex



Trt # 8 - Aatrex (atrazine; Group 5)



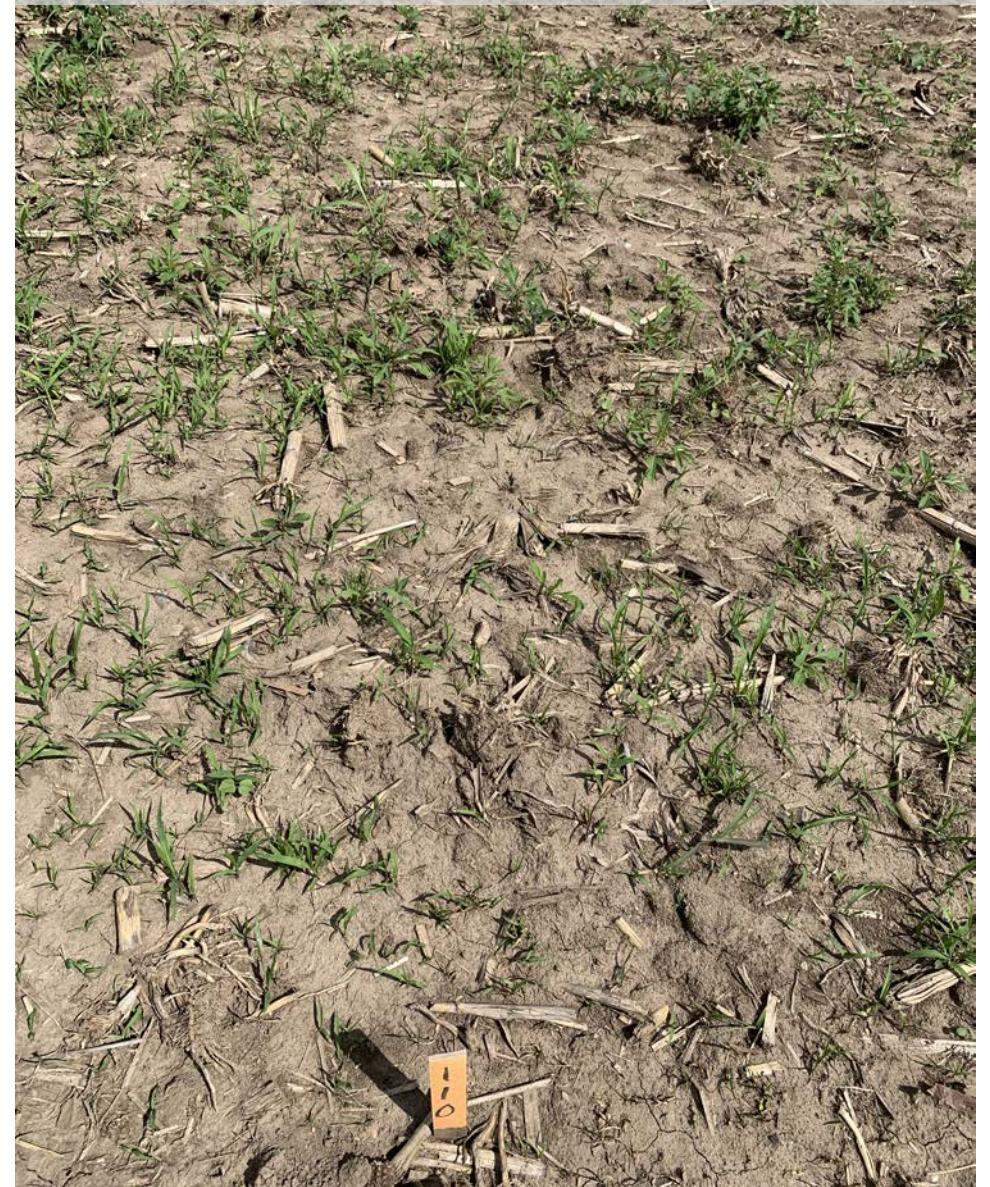
Trt # 9 - Buctril



Trt # 9 - Buctril (bromoxynil; Group 6)



Trt # 10 - Basagran



Trt # 10 - Basagran (bentazon; Group 6)



Trt # 11 - Roundup PowerMAX

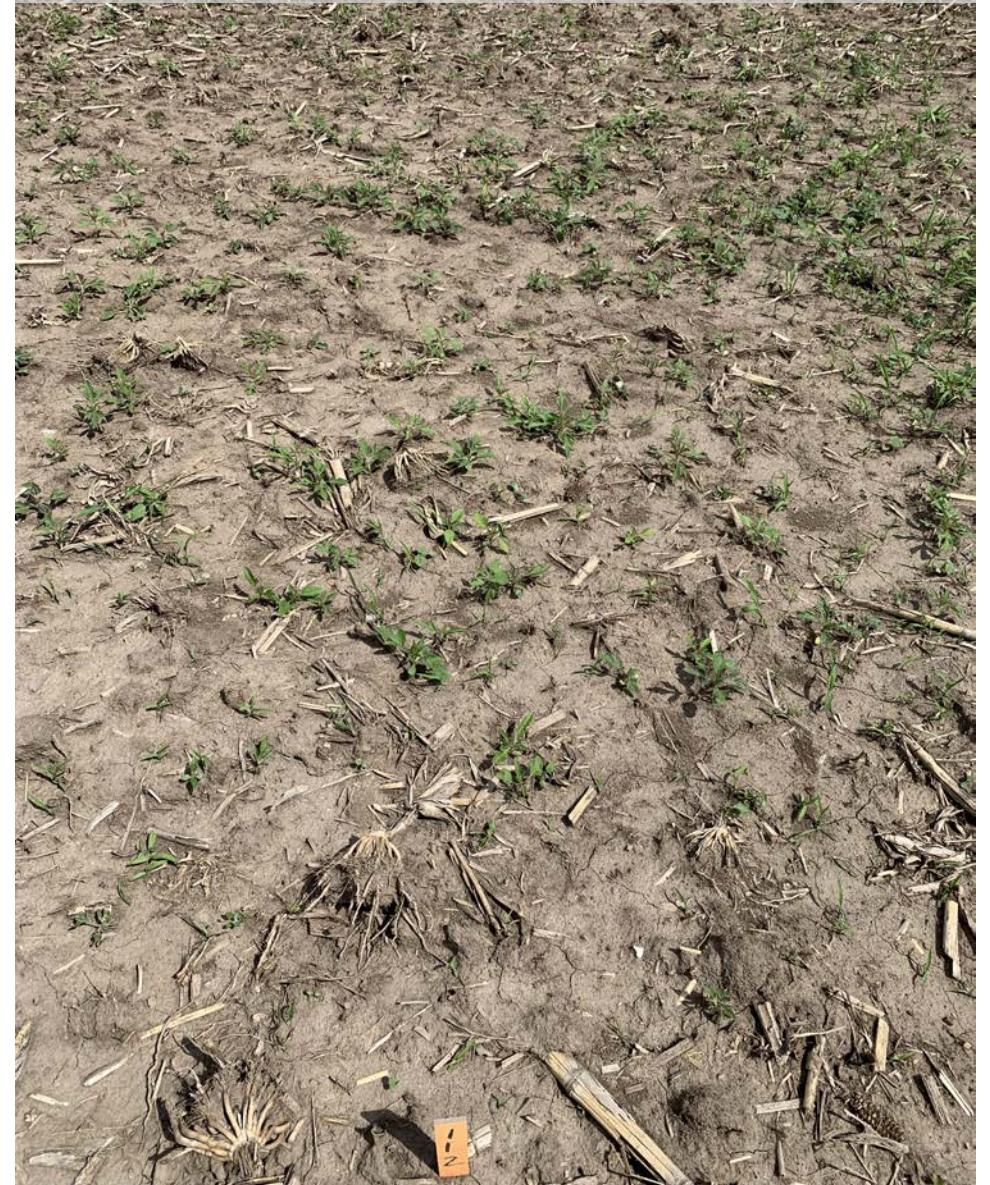


Trt # 11 - Roundup PowerMAX (glyphosate; Group 9)



THIS POPULATION ISN'T GLYPHOSATE-RESISTANT

Trt # 12 - Liberty



Trt # 12 - Liberty (glufosinate; Group 10)



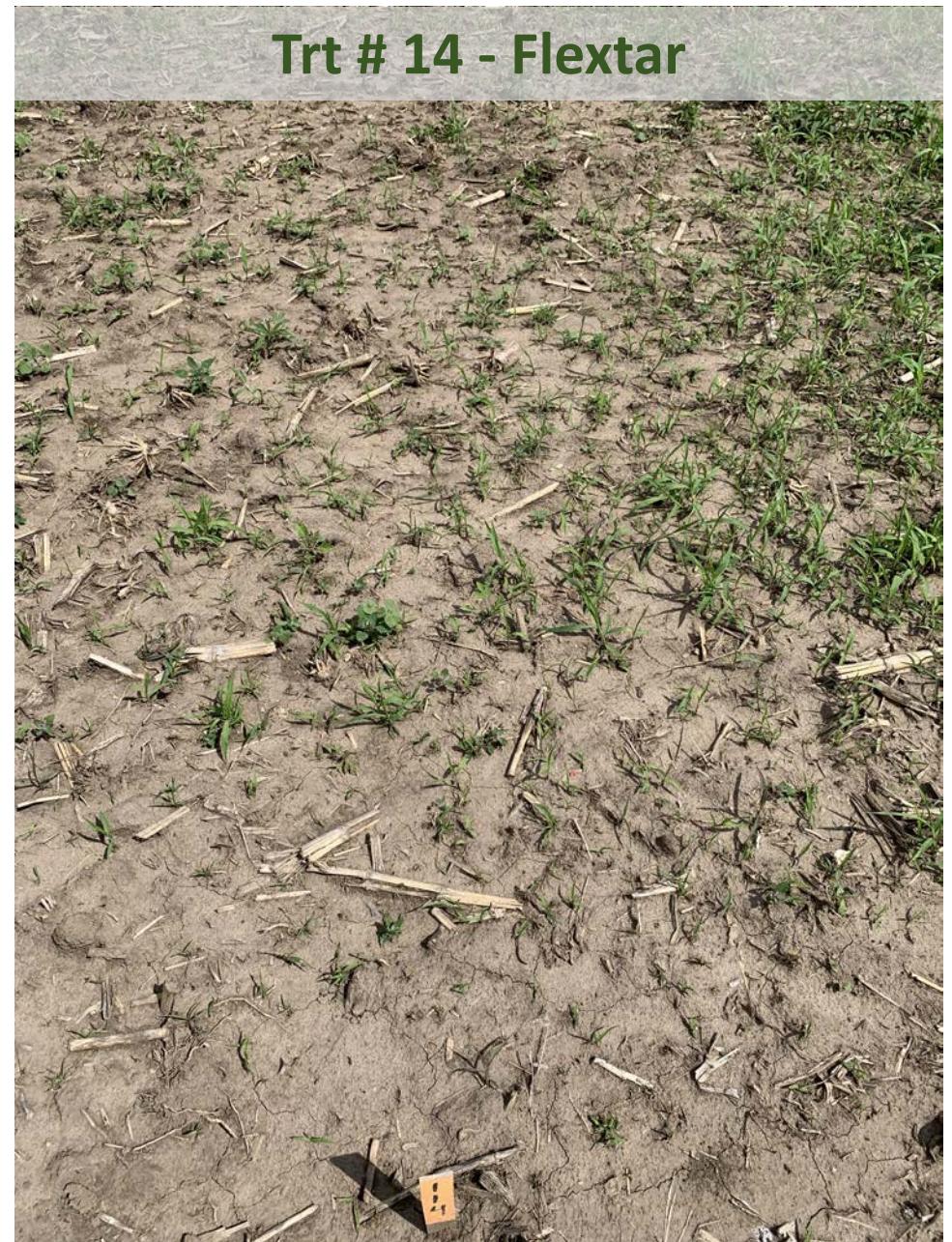
Trt # 13 - Cobra



Trt # 13 - Cobra (lactofen; Group 14)



Trt # 14 - Flextar



Trt # 14 - Flextar (fomesafen; Group 14)



Trt # 15 - Cadet



Trt # 15 - Cadet (fluthiacet-methyl; Group 14)



Trt # 16 - Resource



Trt # 16 - Resource (flumiclorac; Group 14)



Trt # 17 - Callisto



Trt # 17 - Callisto (mesotrione; Group 27)



Trt # 18 - Laudis



Trt # 18 - Laudis (tembotrione; Group 27)



Trt # 19 - Armezon



Trt # 19 - Armezon (topremazone; Group 27)



Trt # 20 - Balance Flexx



Trt # 20 - Balance Flexx (isoxaflutole; Group 27)





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Thanks!

