

# 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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# 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	POST	A
				1.25% v/v	POST	A
				2 lb/a	POST	A
2	Classic COC AMS	25% w/w	2	0.75 oz/a	POST	A
				1% v/v	POST	A
				2 lb/a	POST	A
3	FirstRate COC AMS	84% w/w	2	0.3 oz/a	POST	A
				1.2% v/v	POST	A
				2 lb/a	POST	A
4	Python COC AMS	80% w/w	2	1 oz/a	POST	A
				1% v/v	POST	A
				2 lb/a	POST	A
5	XtendiMax Class Act Ridion	2.89 lbae/gal	4	22 fl oz/a	POST	A
				1% v/v	POST	A
6	Enlist One AMS	3.8 lbae/gal	4	24 fl oz/a	POST	A
				2 lb/a	POST	A
7	Stinger	3 lbae/gal	4	6 fl oz/a	POST	A
8*	Aatrex COC	4 lb/gal	5	2 pt/a	POST	A
				1 qt/a	POST	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	POST	A
				1% v/v	POST	A
				2 lb/a	POST	A
11	Roundup PowerMAX AMS	4.5 lbae/gal	9	32 fl oz/a	POST	A
				2 lb/a	POST	A
12	Liberty AMS	2.34 lb/gal	10	32 fl oz/a	POST	A
				2 lb/a	POST	A

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

**Adjuvants:** 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)**



**THIS POPULATION ISN'T BEING PROPERLY CONTROLLED WITH GROUP 2 HERBICIDES SPRAYED POST**



Trt # 2 - Classic



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



**THIS POPULATION ISN'T BEING PROPERLY CONTROLLED WITH GROUP 2 HERBICIDES SPRAYED POST**



**Trt # 3 - FirstRate**



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



**THIS POPULATION ISN'T BEING PROPERLY CONTROLLED WITH GROUP 2 HERBICIDES SPRAYED POST**



**Trt # 4 - Python**



**Trt # 4 - Python (flumetsulam; Group 2)**



**THIS POPULATION ISN'T BEING PROPERLY CONTROLLED WITH GROUP 2 HERBICIDES SPRAYED POST**



**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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CHEMICAL COMPANIES



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# Thanks!

