

Post-emergence Corn and Soybean Herbicide Product Restrictions for Broadcast Applications

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Favorable spring weather has given Wisconsin farmers a great start to the season with a fair amount of corn and soybean acres planted already. The recent trend in warmer temperatures will also lead to weed germination and emergence. However, the lack of significant rain events over recent weeks has left fields that had PRE-emergence herbicides applied without the moisture necessary for activation. This will likely result in weed escapes and place additional pressure on POST-emergence herbicides. In anticipation for heavy reliance on early POST applications to control troublesome weeds in corn and soybean, the Cropping Systems Weed Science program put together a handy guide for over-the-top broadcast application windows of commonly used POST herbicides in corn and soybean.

The application window tables (below; Table 1 – Corn, Table 2 – Soybean) were generated based on information obtained from each of the product's label. For additional information on recommended adjuvants and tank mix partners consult individual product labels and/or your local agronomist.

When selecting a POST herbicide program, it is important to consider the weed species present, weed height, and crop growth and/or height.

Inclusion of specific products does not constitute a recommendation or endorsement. Always read, follow, and understand the pesticide label. **The label is the law.**

Despite careful proof reading, there may be errors in the tables. Should you find any information presented herein to be inaccurate, please contact:

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Additional Helpful Resources:

Wisconsin Visual Guide to Corn Development:

<http://corn.agronomy.wisc.edu/Management/pdfs/Corn%20Growth%20and%20Development%20poster.pdf>

Wisconsin Visual Guide to Soybean Growth Stages:

http://coolbean.info/library/documents/2017_Soybean_GrowthDev_Guide_FINAL.pdf

2020 Pest Management in Wisconsin Field Crops:

<https://cdn.shopify.com/s/files/1/0145/8808/4272/files/A3646-2020.pdf>

2020 Wisconsin Herbicide Mode of Action Chart:

<https://ipcm.wisc.edu/blog/2020/04/2020-wisconsin-herbicide-mode-of-action-chart/>

2019 Wisconsin Weed Science Research Report:

<https://www.wiscweeds.info/img/2019%20Research%20Report/2019%20Wisconsin%20Weed%20science%20Research%20Report.pdf>

2018 Wisconsin Weed Science Research Report:

https://www.wiscweeds.info/img/2018%20Research%20Report/2018%20WiscWeeds%20Research%20Report_Web.pdf



Table 1: Post-emergence Corn Herbicide Product Restrictions for Broadcast Applications

Product ¹	Active ingredient(s)	SOA Group ²	Growth Stage ³	Corn Height ^{4, 5}	Minimum Days Before Harvest
2,4-D amine	2,4-D amine	4	-	Up to 8 inches	-
Aatrex 4L	atrazine	5	-	Up to 12 inches	-
Acuron	atrazine +	5	-	Up to 12 inches	60
	S-metolachlor +	15			
	mesotrione +	27			
	bicyclopyrone	27			
Acuron Flexi	S-metolachlor +	15	Up to 8 leaf stage (V8)	Up to 30 inches	60
	mesotrione +	27			
	bicyclopyrone	27			
Anthem MAXX	fluthiacet-methyl + pyroxasulfone	14	Through V4	-	30 (forage) 70 (grain)
		15			
Armezon	topramezone	27	Not after V8	-	45
Armezon PRO	dimethenamid-P + topramezone	15	Up to V8	Up to 30 inches	45
		27			
Basagran 5L	bentazon	6	-	-	12
Bicep Lite II Magnum	atrazine +	5	-	Up to 5 inches	60
	S-metolachlor	15			
Brox 2EC/Moxy – 1 pint/ac	bromoxynil	6	Before tassel	-	-
Brox 2EC/Moxy – 1.5-2 pints/ac	bromoxynil	6	Not before V4 but before tassel	-	-
Cadet	fluthiacet-methyl	14	Before tassel	Up to 48 inches	70
Callisto	mesotrione	27	Up to 8 leaf stage (V8)	Up to 30 inches	45
Capreno	thiencarbazone + tembotrione	2	V1 to V7	Up to 20 inches	-
		27			
Clarity – 8 oz/ac	dicamba (DGA salt)	4	Spike to 36 inches	Up to 36 inches	-
Clarity – 16 oz/ac	dicamba (DGA salt)	4	Spike to 8 inches	Up to 8 inches	-
Degree Xtra	atrazine +	5	-	Up to 11 inches	60
	acetochlor	15			
Diflexx	dicamba (DGA salt)	4	Spike through V10	Up to 36 inches	45
Diflexx DUO	dicamba (DGA salt) + tembotrione	4	Up to V7	Up to 36 inches	45
		27			
Dual II Magnum/ EverpreX	S-metolachlor	15	-	Up to 40 inches	30
Enlist One*	2,4-D choline	4	Up to V8	Up to 30 inches	30
Enlist Duo*	2,4-D choline + glyphosate	4	Up to V8	Up to 30 inches	50
		9			
Hallex GT	glyphosate +	9	Up to 8 leaf stage (V8)	Up to 30 inches	45
	S-metolachlor +	15			
	mesotrione +	27			
Harness	acetochlor	15	-	Up to 11 inches	-



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Product ¹	Active ingredient(s)	SOA Group ²	Growth Stage ³	Corn Height ^{4, 5}	Minimum Days Before Harvest
Hornet WDG	flumetsulam + clopyralid	2 4	Up to V6	Up to 20 inches	45 (forage) 85 (grain)
Impact	topramezone	27	-	-	45
Laudis	tembotrione	27	Up to V8	-	45
Liberty 280 SL/Scout**	glufosinate	10	Up to V6	-	60 (forage) 70 (grain)
Lumax EZ	atrazine + S-metolachlor + mesotrione	5 15 27	-	Up to 12 inches	60
Outlook	dimethenamid-P	15	-	Up to 12 inches	40
Perpetuo	flumiclorac + pyroxasulfone	14 15	Not before 2 leaf stage (V2) or after V6 stage	-	28 (forage)
Prowl H2O	pendimethalin	3	Up to V8	Up to 20 inches	-
Realm Q	rimsulfuron + mesotrione	2 27	Up to 7 leaf collars (V7)	Up to 20 inches	45 (forage) 70 (grain)
Resicore	clopyralid + acetochlor + mesotrione	4 15 27	-	Up to 11 inches	45
Resolve DF	rimsulfuron	2	Up to V6	Up to 12 inches	
Resource	flumiclorac	14	Not before 2 leaf stage (V2) and up to 10 leaf stage (V10)	-	28 (forage)
Roundup PowerMAX / Durango DMA***	glyphosate	9	Up to V8	Up to 30 inches	50
Status	dicamba (sodium salt) + diflufenzopyr	4 4	V2 to V8 or within 15 days of tassel	4 to 36 inches	32 (forage) 72 (grain)
Stinger	clopyralid	4	-	Up to 24 inches	40
Surestart II/TripleFLEX II	flumetsulam + clopyralid + acetochlor	2 4 15	-	Up to 11 inches	85
Warrant	acetochlor	15	-	Up to 30 inches	40
Zidua	pyroxasulfone	15	Spike up to V4	-	37

¹Above information is for broadcast application only. Refer to individual product labels for information regarding direct spray applications.

²Site of Action (SOA) Group for herbicide active ingredients.

³Unless otherwise noted application window begins at crop emergence. Some products may be labeled for preplant or preemergence applications. Check individual labels when considering preplant and preemergence herbicide programs.

⁴Crop stage and height restrictions are for field dent corn. Refer to individual product labels for popcorn and sweet corn crop stage and height restrictions.

⁵For products with both growth stage and height restrictions decision to make application should be based on whichever occurs first.

*Apply to 2,4-D-resistant (Enlist) corn varieties only

**Apply to glufosinate-resistant (Liberty Link) corn varieties only

***Apply to glyphosate-resistant (Roundup Ready) corn varieties only



Table 2: Post-emergence Soybean Herbicide Product Restrictions for Broadcast Applications

Product ¹	Active ingredient(s)	SOA Group ²	Growth Stage ³	Minimum Days Before Harvest	*Notes
Anthem MAXX	fluthiacet-methyl + pyroxasulfone	14 15	Through V6	60	
Basagran 5L	bentazon	6	-	30	
Cadet	fluthiacet-methyl	14	Up to full bloom (R2)	60	
Classic	chlorimuron-ethyl	2	After first trifoliate (V1)	60	
Cobra	lactofen	14	Up to R6	45	
Dual II Magnum/EverpreX	S-metolachlor	15	Through third trifoliate (V3)	90	
Engenia* Fexapan / XtendiMAX*	dicamba (BAPMA salt) dicamba (DGA salt)	4	Up to beginning bloom (R1)	-	Or no more than 45 days after planting, whichever comes first
Enlist One**	2,4-D choline	4	Through full bloom (R2)	30	
Enlist Duo**	2,4-D choline + glyphosate	4 9	Through full bloom (R2)	30	
FirstRate	cloransulam-methyl	2	Up to full bloom (R2)	70	
Flexstar	fomesafen	14	-	45	No later than June 20
Liberty 280 SL/Scout***	glufosinate	10	Up to beginning bloom (R1)	70	
Outlook	dimethenamid-P	15	Up to fifth trifoliate (V5)	-	
Perpetuo	flumiclorac + pyroxasulfone	14 15	Up to sixth trifoliate (V6)	60	
Prefix	fomesafen + S-metolachlor	14 15	-	90	
Pursuit	imazethapyr	2	Up to beginning bloom (R1)	85	
Resource	flumiclorac	14	Up to R6	60	
Roundup PowerMax/ Durango DMA****	glyphosate	9	Through full bloom (R2)	14	
Select Max	clethodim	1	Through R6	60	
Tavium	dicamba (DGA) + S-metolachlor	4 15	Through V4	-	Or no more than 45 days after planting, whichever comes first
Warrant	acetochlor	15	Up to full bloom (R2)	-	
Warrant Ultra	fomesafen + acetochlor	14 15	Up to full bloom (R2)	45	
Zidua	pyroxasulfone	15	Through sixth trifoliate (V6)	-	

¹Above information is for broadcast application only. Refer to individual product labels for information regarding direct spray applications.

²Site of Action (SOA) Group for herbicide active ingredients.

³Unless otherwise noted application window begins at crop emergence. Some products may be labeled for preplant or preemergence applications. Check individual labels when considering preplant and preemergence herbicide programs.

*Apply to dicamba-resistant (Xtend) soybean varieties only

**Apply to 2,4-D-resistant (Enlist E3) soybean varieties only

***Apply to glufosinate-resistant (Liberty Link; LLGT27; Enlist E3) soybean varieties only

****Apply to glyphosate-resistant (Roundup Ready) soybean varieties only

