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Size Restrictions for Postemergence Herbicides in Corn

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Size Restrictions for Postemergence Herbicides in Corn

Abstract

While most farmers and applicators have good intentions to apply herbicides in a timely fashion, it isn't uncommon for equipment limitations or weather to result in delayed applications. Nearly all postemergence herbicides have restrictions on how late in the season they can be delayed.

Keywords

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Size Restrictions for Postemergence Herbicides in Corn

by **Bob Hartzler, Department of Agronomy**

While most farmers and applicators have good intentions to apply herbicides in a timely fashion, it isn't uncommon for equipment limitations or weather to result in delayed applications. Nearly all postemergence herbicides have restrictions on how late in the season they can be delayed.

The most common reason for the restriction is the reduction in crop tolerance to the herbicide as corn size increases. For some products the application timing is restricted to prevent herbicide residues from exceeding tolerance levels in the grain. Regardless of the reason, it is important to follow the restriction.

Timely applications not only avoid problems with label restrictions, but they also provide more effective control due to treating weeds at a more susceptible stage and at a time when the crop canopy does not interfere with coverage, and also are more effective at protecting yields from early-season competition than late applications.

Herbicide	Broadcast	Directed (same as broadcast unless specified)
Accent	6 collar or 20 inch	10 collar or 36 inch
Aim	8 collar	
Atrazine	12 inch	
Balance Flexx	2 leaf collar	
Basagran	None specified	
Bromoxynil/Buctril	Apply prior to tassel emergence	
Cadet	48 inches or before tassel emergence	
Callisto	30 inch or 8 leaf	
dicamba (Banvel/Clarity)	5-leaf or 8 inch	36 inch
Distinct	10 inch @ 6 oz/A; 24 inch@4 oz/A	
Glyphosate	V8 or 30 inch	48 inch
Halex GT	30 inch or 8 leaf	
Hornet	20 inch or 6 collar	
Ignite	24 inch or V7	36 inch
Impact	Up to 45 days before harvest	
Laudis	V8	
Northstar	20 inch	36 inch
Option	V6	36 inch
Require Q	20" or 7 collar	
Resolve	12 inch or 6 collar	
Resolve Q	20 inch or 6 collar	
Resource	10 leaf	
Spirit	20 inch	24 inch or 6 collar
Starane	V5	Up to 90 days before harvest
Status	36 inch corn	
Steadfast	6 collar or 20 inch	
Yukon	36 inch	

Bob Hartzler is a professor of weed science with extension, teaching and research responsibilities. He can be contacted by email at hartzler@iastate.edu or phone (515) 294-1164.

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