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Corn Size Restriction for POST Herbicides

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Corn Size Restriction for POST Herbicides

Abstract

Weeds have continued to grow thus making the application of POST herbicides imperative despite the slow development of the corn crop. However, it is also important to follow the size restrictions that exist on the herbicide label, particularly given that corn is under stress due to the poor growing conditions.

Keywords

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Corn Size Restriction for POST Herbicides

ICM News

June 14, 2008

By Mike Owen and Bob Hartzler, Department of Agronomy

Weeds have continued to grow thus making the application of POST herbicides imperative despite the slow development of the corn crop. However, it is also important to follow the size restrictions that exist on the herbicide label, particularly given that corn is under stress due to the poor growing conditions.

Recognize that taller corn is generally more sensitive to potential herbicide injury, particularly when nozzles are applying the herbicide directly into the whorl of the plant. If possible, herbicides should be applied directed POST whenever corn exceeds 12 inches tall in order to improve coverage of weeds and reduce exposure of the corn. Furthermore, be particularly cautious about tank mixing herbicides. Follow the most restrictive label and be sure that the adjuvants are appropriate for all herbicides in the mixture.

In addition to size restrictions, consider the impact of late applications on the potential for carryover injury to rotational crops. For example, products containing atrazine state only to rotate to corn or sorghum if applied after June 10.

Table 1. Application restrictions for selected corn postemergence herbicides¹.

Product	Size Restriction ²	
	Broadcast Applications	Directed Application
Accent	20" or V6	20-36" or V10
Aim	V8	V14
atrazine (all products)	12"	
Banvel/Clarity/dicamba	5 leaf or 8" (1 pt); 8-36" (0.5 pt)	
Basis	6" or V2	
Buctril/bromoxynil	pretassel	
Callisto	30" or 8 leaf	
Distinct	10" (6 oz); 24" (4 oz)	36"
Equip	V4	
glyphosate	V8 or 30"	48"
Halex GT	30" or V8	
Harmony GT	16" or V5	
Hornet	20" or V6	36"
Impact	No size restriction (45 days before harvest)	
Liberty	24" or V7	36"
Marksman	5 leaf or 8"	
Option	V6	V8
Require Q	20" or V7	
Resolve Q	20" or V7	
Status	36" or V10	
Steadfast	20" or V6	
2,4-D amine or ester	8"	tasseling

1 Where both height and leaf stage are provided, use most restrictive classification.

2Not all POST herbicides registered for corn are included; refer the label for specific application restrictions.

Mike Owen is a professor of agronomy with research and extension responsibilities in weed management and herbicide use. Bob Hartzler is a professor of weed science with extension, teaching and research responsibilities.

Category: Crop Production

Tags: herbicides

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Bob Hartzler is a Professor of Agronomy and an Extension Weed Specialist. Hartzler conducts research on weed biology and how it impacts the efficacy of weed management programs in corn and soybean. He also teaches undergraduate classes in weed science and weed iden...

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