## **Maximum Corn Growth Stages For Postemergence Herbicides**

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he labels of most postemergence corn herbicides include application restrictions based on a maximum corn size (specified as corn height, leaf or collar number, or sometimes both). For product labels that indicate a specific corn height and growth stage, be sure to follow the more restrictive of the two. If these restrictions are not followed, there can be substantial crop injury that may lead to yield reductions. Adverse environmental conditions (such as prolonged periods of cool air temperatures) some-

times result in corn plants that are physiologically older than their height would suggest, so be sure to accurately assess plant developmental stage (i.e., leaf/collar number) in addition to plant height.

Table 1 details labeled corn growth stages for several postemergence herbicides. Keep in mind that maximum height restrictions may change when two or more products are applied in combination, so be sure to follow guidelines for the more restrictive corn stage to reduce the potential for adverse crop response.

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Herbicide	application timings based on corn growth stage.  Maximum corn heights and growth stages <sup>a</sup>
2,4-D	Broadcast before corn exceeds 8 in. tall; use drop nozzles from >8 in. to tassel
Accent, Accent Q	emergence.
	Broadcast up to 20 in. tall or through the V6 stage. Apply with drop nozzles when
	corn is 20 to 36 in. tall or before the V10 stage.
Aim EW	Apply broadcast up to the V8 stage. Use directed applications when corn is
	between V8 and V14.
Atrazine	
_	Apply before corn exceeds 12 in. tall.
Basagran	No height is specified on label.
Basis	Apply to corn from spike through the 2-collar stage. Do not apply to corn having 3
Beacon	fully emerged collars or over 6 in. tall.  Broadcast between 4 and 20 in. tall. After corn is 20 in. tall or exhibits more than 6
Deacoll	
Buctril	collars, use directed applications up to tassel emergence.
	Apply prior to tassel emergence.
Buctril + atrazine	Apply before corn exceeds 12 in. tall.
Cadet	Apply until corn is 48 in. tall or prior to tasseling.
Callisto	May be applied to corn up to 30 in. tall or up to the 8-leaf stage.
Clarity or Banvel	Apply between corn emergence and the 5-leaf stage or 8 in. tall; apply 0.5 pt/A rate
	when corn is 8 to 36 in. or if 6th leaf is emerging, or if 15 days prior to tassel
	emergence. Do not apply when soybean are growing nearby if corn is more than 24
	in. tall, soybean are more than 10 in. tall, or soybean have begun to bloom.
Expert (glyphosate-resistant corn)	Apply to corn up to 12 in. tall.
Glyphosate (glyphosate-resistant	Apply broadcast through the V8 stage or until corn reaches 30 in. tall. Use drop
corn)	nozzles for applications to corn between 30 and 48 in. tall.
Halex GT (glyphosate-resistant corn)	Apply to corn up to 30 in. tall or the 8-leaf stage.
Harmony GT XP	Do not apply to corn taller than 16 in. or 5 collars.
Hornet WDG	Apply broadcast until corn reaches 20 in. in height or V6 stage. Apply with drop
	nozzles to corn up to 36 in. tall.
Impact	Can be applied up to 45 days before harvest.
Laddok S-12	Applications may be made to corn up to 12 in. tall.
Laudis	Apply up to the V8 stage.
Lexar	Applications may be made to corn up to 12 in. tall.
Ignite (glufosinate-resistant corn)	Broadcast until corn is 24 in. tall or has 7 developed leaf collars. Use drop nozzles
	for corn between 24 and 36 in. tall.
Lightning (ClearField corn)	Apply broadcast to corn up to 20 in. tall with 6 leaf collars (V6); apply with drop
	nozzles beyond these stages or if crop canopy prevents adequate weed coverage.
Lumax	Applications may be made to corn up to 12 in. tall.
Marksman	Apply between corn emergence and the 5-leaf stage or 8 in. in height.
NorthStar	Broadcast when corn is between 4 and 20 in. tall (V2-V6). Use directed applications
	when corn is 20 to 36 in. tall.
Option	Broadcast when corn is V1 through V6. Use drop nozzles for corn greater than V6
	and less than V8.
Permit	Can be applied from spike through layby.
Rage D-Tech	Broadcast before corn exceeds 8 in. tall or the 5-leaf stage; use drop nozzles for
	corn up to 36 in. tall or V14.
Require Q	Do not apply to corn taller than 20 in. or exhibiting 7 or more leaf collars.
Resolve	Do not apply to corn taller than 12 in. or exhibiting 6 or more leaf collars.
Resolve Q	Do not apply to corn taller than 20 in. or exhibiting 6 or more leaf collars.
Resource	Apply to corn from the 2-leaf through 10-leaf stage.
Shotgun	Apply broadcast to corn with up to 4 leaves or 8 in. tall; directed applications for 5-
	leaf or 8- to 11-¾ intall corn.
Spirit	Broadcast when corn is between 4 and 20 in. tall. Use drop nozzles when field corn is 20 to 24 in. tall or exhibits more than 6 collars (V6).
Starane	Apply broadcast to corn with up to 5 fully exposed leaf collars (V5).
Status	Do not apply to corn taller than 36 in. or past the V10 stage.
Steadfast, Steadfast Q	Apply to corn up to 20 in. tall or exhibiting 6 leaf collars.
Stinger	Apply to corn from emergence through 24 in. tall.  Do not apply to corn taller than 16 in. or exhibiting more than 5 leaf collars.
Stout	Apply broadcast or with drop nozzles to corn from spike to 36 in. tall.
Yukon	ADDIV DroadCast of With Grod hozzies to Corn from Spike to 36 in. tall.

<sup>&</sup>lt;sup>a</sup>When maximum application timings are indicated by two corn growth stages, follow the more restrictive of the two.