

# Corn Maturity Cutoffs For Herbicides

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April 16, 2012 – An early, warm and dry spring has allowed for the planting of most of our corn acres in Tennessee. This weather that allowed for the early planting should really increase the probability of good corn yields this fall. However, this weather has also caused some problems from a weed control perspective as some of the pre-applied herbicides did not receive an activating rainfall. As a result, some fields have emerged weeds with the corn. In other cases, the pre-applied herbicides were activated with some timely precipitation and have provided 20 to 30 days of residual weed control. They will likely begin to play out this week. Therefore corn fields in Tennessee that are off to a good start have either emerged weeds present or will likely see a new flush of pigweed and grasses very soon.

Quite a bit of the corn I have seen ranges from newly emerged to the V3 stage ( 3 leaf collars open). It will not be long before corn that is in the V3 stage will become too large to treat with some herbicides. Several herbicides offer effective postemergence weed control options, but there are cutoffs associated with all of these. This serves as a reminder for cutoffs timings for several postemergence corn herbicides. Crop stage and/or crop height can be used to determine this and typically the label states the limits so that whichever comes first is the cutoff. Crop stage can easily be done by counting the number of collars that are fully open (ex. 3 open collars = 3 leaf), but crop height can also be used. Refer to the 2012 Weed Control Manual <https://utextension.tennessee.edu/publications/Documents/PB1580-2012.pdf> for further information and as always, read the herbicide

label!

One other thing to note is a newer product, Realm Q. This is a combination of rimsulfuron (Matrix) and mesotrione (Callisto). This product provides postemergence control of broadleaf and grass weeds, as well as residual control. The Q stands for a built-in safener, allowing for safe postemergence applications in corn.



3 leaf (collar) corn - V3 stage

Another reminder, but Ignite has now been re-named to Liberty. This is still the same herbicide and same formulation, just a new name. Liberty can only be used on corn varieties with Liberty Link tolerance just like glyphosate products can only be used on corn varieties with Roundup Ready tolerance. Δ

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Postemergence Corn Herbicides	Crop Height Cutoff	Crop Stage Cutoff
Accent	20 inches	6 leaf
Atrazine (Bicep, Degree Xtra, Lexar, etc.)	12 inches	8 leaf
Buctril	-	8 leaf
Callisto*	30 inches (without atrazine)	-
Capreno*	-	7 leaf (without atrazine)
Corvus	2 leaf	-
Dicamba (Banvel, Clarity)	8 inches (1 pt/A) or 36 inches (1/2 pt/A)	5 leaf -
Distinct	24 inches	-
Glyphosate – RR corn only	30 inches	8 leaf
Halex GT	30 inches	8 leaf
Hornet	24 inches	-
Armszon/Impact	-	45 days prior to harvest
Laudis	-	8 leaf
Liberty (Ignite) – LL corn only	24 inches	7 leaf
Option	18 inches	6 leaf
Realm Q	20 inches	7 leaf
Resource	-	10 leaf
Resolve Q	20 inches	7 leaf
Status	36 inches	10 leaf
Steadfast Q	20 inches	7 leaf
Stout	18 inches	5 leaf
2,4-D	8 inches	-

\*Note that if atrazine is added (to herbicides such as Callisto or Capreno for example), the cutoff would be reduced to 12 inches or 8 leaf.