

Corn is starting to take off now with the heat and moisture. It's getting into its primary root system. The April planted corn is pushing into the stages where it is starting to determine ear size, so stress at this point can reduce the number of rows around the ear.

INSIGHTS



Questions have been arising about the shallow planted, late emerging corn plants. Concerns are whether or not the roots will develop properly. I feel if you are at least 1.25" to 1.5" minimum depth you will be fine. The trouble we run into is for sure when shallower than $\frac{3}{4}$ ". The nodal roots develop $\frac{3}{4}$ " to 1" below the soil surface. But if the seed is shallower than that, they have a hard time developing. This can lead to poor roots, including the brace roots later in the season, or "Floppy Corn Syndrome" at this time of year. In the picture plants A and B could have trouble, but C and for sure D will be fine, as there is a gap between the seed and the nodal roots.

	Rainfast
Acuron GT	1 hour
Halex GT	1 hour
Resicore	2 hours
Maverick	6 hours
Diflexx	4 hours
Status	4 hours
Liberty	4 hours
Enlist One	4 hours
Roundup Pmax	30 min.

With the timing right for post emerge spraying on corn and beans, I want to remind everyone of the rainfast times on some popular herbicides. There seem to be days when showers can pop up and catch us off guard. The main ones to watch are the dicamba products (Diflexx and Status) and the Liberty or Enlist on beans. The Liberty works best on warm sunny days, so keep that in mind too when spraying.



I know a lot of farmers don't use starter on corn anymore. I still recommend it being used whenever possible. It helps the corn emerge and feeds some early phosphorus to the plant when the soils are too cool for Phosphorus mineralization. We have a study being done comparing starters and you can see by the picture that the Untreated Check has a lot smaller root system and smaller plant than any of the starters. But you can also see the progression of root and plant growth as the quality of starter is increased.



Waterhemp has been breaking through a lot of the pre corn herbicides now. I think if waterhemp is bigger than 2" tall we can't rely solely on HPPD herbicides such as Acuron GT, Halex GT, Resicore, Maverick, etc. We need to add in dicamba products like Status or Diflexx to control them.

Rainfall Data

June 2025 so far - 0.96" 30 yr average 6.3"

Heat Units Accumulated

April 14 - 499 (+25 to 30 yr avg)
May 7 - 357 (+22 to 30 yr avg)

As always, reach out to me with questions or concerns you have or come across out in your fields.

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