



May 5th, 2025

NW IA Dealer Agronomy Update

Seed in the Ground

Corn and soybeans are emerging and so far, so good as far as the early planting window. With planting conditions being excellent and, for the most part, very few pounding rains, crusting has been minimal. We have had a few very cool nights so look for signs of chilling imbibition as you did seeds and evaluate fields for stand counts. **For corn going in the ground now, emergence is expected in 7-8 days.**



Nice to be able to row corn by 5/2! This field was planted on 4/11. The Emergence Risk Forecast tool predicted 17 days to emergence and it ended up being about 18 days – not bad accuracy for a tool.



Corn planted on 4/23 and picture taken nine days later on 5/2. Good radicle growth with the coleoptile just starting to head upwards. This planting date and location has a prediction of 14 days to emergence. Looks like it will need to hustle in the next 5 days to poke through – but with the way the forecast looks, it will be close.



As corn begins to emerge, you can watch the development of the nodal root system. The smaller seminal roots from the seed will feed the plant in the first few weeks of growth. Nodal roots will develop at $\frac{3}{4}$ " below the soil surface and become the primary source of water and nutrients for the plant around V4. Correct nodal root development is crucial for success throughout the season.

ILEVO Response on Soybeans



As we see every Spring, ILEVO seed treatment normally will show a response on emerging soybeans. Sometimes this can be confused with herbicide symptoms. ILEVO is characterized by the "halo" effect on the cotyledons. These necrotic areas will not show up on any other parts of the soybean and will mostly stay along the margins of the cotyledons, which are the two key ways to distinguish ILEVO from herbicide response symptoms.



Soybean Herbicide Plans After Planting

Many soybean PRE products have stricter timing restrictions compared to corn PRE herbicides. Farmers and advisors should carefully evaluate herbicide options before applying treatments to soybean fields that missed their preemergence (PRE) herbicide application due to recent rains and winds. Beans may have already begun to emerge or will emerge very quickly with the warm temps this week.

- It is crucial to read and follow all label instructions!
- Herbicide mixes including metribuzin, flumioxazin, flumetsulam, sulfentrazone, saflufenacil, pendimethalin, and flumetsulam are generally not applied once beans begin to crack due to crop injury concerns. Verify with the label!

If spraying is far behind the planter, consider alternative options for effective weed control

- Group 15 Herbicides such as acetochlor (Warrant), metolachlor, or pyroxasulfone
- Premixes of 14 & 15 such as fomesafen & acetochlor (Warrant Ultra)

Group 2 herbicides. They are ineffective against Waterhemp but they can improve control of other species such as Common Cocklebur, Velvetleaf, or Giant Ragweed

New Product Spotlight DKC099-59RIB SSPRO



This week's new product spotlight is **DKC099-59RIB**

- ☆ NEW DKC099-59RIB SmartStax PRO available in decent volumes in the North for 2025
- ☆ **Has strong early season emergence and vigor**
- ☆ Nice balanced stature with a medium low ear placement
- ☆ Has a long husk cover that is not tight – good drydown (2)
- ☆ Medium planting population recommended
- ☆ Fungal disease profile is average – will benefit from a Delaro Complete application
- ☆ Goss' Wilt is average (5) – use caution if going C on C in fields with a history of Goss' Wilt
- ☆ Excellent Staygreen and Harvest Appearance – both rated a (2)



DKC099-59RIB emerging nicely in this plot planted on 4/15. Picture was taken on 5/2 – 17 days after planting. Offensive hybrid with outstanding top end yield potential for this early RM.

Growing Degree Units

GDU accumulation has been averaging above normal for all locations from the planting dates listed below. The table below shows the GDU accumulation from **April 11th – May 1st** and **April 23rd – May 1st** at different locations in Northwest and Central Iowa. *As of this morning, the site had not updated since May 1st.* These GDUs can be found on the following website – plug in your location and planting dates for GDUs specific to you. [MRCC](http://MRCC.org).

Location	4/11/25 to 5/1/25	30 Year Average
Rock Rapids	165	124
Bancroft	145	114
Le Mars	171	137
Fort Dodge	151	130
Denison	171	135
Ames	169	133

Location	4/23/25 to 5/1/25	30 Year Average
Rock Rapids	63	58
Bancroft	60	54
Le Mars	67	63
Fort Dodge	67	61
Denison	73	62
Ames	82	62



Additional Resources:

DEKALB/Asgrow/alloy Current Agronomic Topics – DAACAT – recording from last Wednesday, April 30th. For you CCAs – good for 0.5 CEU in Crop Management <https://youtu.be/RcXAGgal1U8>

The next DAACAT call will be May 14th at 8:00 AM. Link for the call: [Join the meeting now](#)

2025 Planting Guide

Soybean Germination Issues | Crop Science US

Soil Temperature Future Cast – <https://mesonet.agron.iastate.edu/agclimate/soilt.php>

Also check the LIVE soil temperatures for a few locations around the state:

<https://mesonet.agron.iastate.edu/agclimate/#soil04t>

Assessing Corn and Soybean Stands <https://www.cropscience.bayer.us/articles/bayer/assessing-corn-and-soybean-stands>

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