

For what it's worth...

The majority of the last 11 days have seen some rainfall for most of the area. Last week across the area six to eight inches of rain was received; some in relatively small amounts and other that caused flash flooding. Unfortunately, the remnants are field ponds and sediment deposits in various places. Now's a good time to check fields to see where water ran and washed out corn and soybean seedlings. If wash outs were too bad, it might be worth engineering a grassed waterway or putting in a contour or field edge buffer strip. Regardless of the rain, the corn and soybeans are looking good overall. Though the corn may be much shorter than typical by the first of June, some warm weather will boost growth and development.

Late Soybean Planting and Soybean Replant Decisions

Some of the gummy river bottom fields in the western side of the area and heavy wet fields in Greene, Calhoun and Carroll counties may not have had the opportunity to be planted. With the abundance of rain causing ponding and cool weather there may be poor emergence. The question is if it is too late to plant / replant soybeans. ISU's Soybean Replant Decision publication to the right might be of some help. Table 5 would indicate that soybeans planted in early June still produce 93% of potential. That drops quickly by mid-June to 59% of potential. Switching to a early group 2 could help maintain yield potential.

In the case of poor emergence or ponding, check plant populations. Palle Pedersen has research data showing that a final plant population of 100,000 plants per acre is sufficient to realize 100% yield potential. To check soybean plant populations measure out 3 feet of row and count the number of soybean plants. Then multiple by the appropriate factor below:

<u>Row Spacing (inches)</u>	<u>1 Plant / Foot = Plants / Acre</u>
30	18,000
20	26,000
15	35,000
7	75,000

Or check table 3 and 4 of the Soybean Replant Decisions publication.

Late Planted / Replanted Corn

Ponding and wet conditions may have you wondering about replanting corn. Just as a side note, corn can survive under water for 4 days if growth is less than 6 inches and temperatures remain less than 77 degrees. Or less than 24 hours if temperatures go higher than 77 degrees. Although in saturated soils there is a greater potential for seed rots, seedling blights and other pathogens such as crazy top. You should definitely go out and counts plants to see what your populations are before considering replanting. Measure out 17 feet, 5 inches and count the number of plants alive. Multiply that number by 1,000 to get the number of plants per acre. After determining an accurate plant population refer to ISU's Corn Planting Guide linked to the right.

Registration Open Now for Summer FEEL Clinics

Registration is now open for all the 2008 FEEL (Field Extension Education Lab) events. To see a listing of the events with descriptions and to register online go to;
<http://www.aep.iastate.edu/feel/homepage.html>.

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Serving; Calhoun,
Carroll, Crawford,
Greene, Ida,
Monona and
Sac counties.

Webpage's to View:

- [Soybean Replant Decisions](#)
- [Corn Planting Guide](#)
- [FEEL](#)
- [ICM News](#)
- [Sensitive Crops Directory](#)
- [Iowa 4-Inch Soil Temperatures By County](#)
- [Planter Tips](#)
- [Soybean Factsheets](#)
- [Soybean Disease & Pest Management Field Guide](#)
- [Calculate Corn Yield Loss Due to Uneven Emergence/ Height](#)
- [Corn Nitrogen Rate Calculator](#)

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