

## Corn and Grain Sorghum Weekly Update – July 30, 2021

2021 Update

### Corn and Grain Sorghum Research Verification – Chuck Capps (Corn & GS Verification Coordinator)

As seen in Table 1 below, heat units and crop stage along with a few notes about field activities are listed for each location. Irrigation has been terminated for several fields using the AR Soil Calc app. We have been using this tool to input soil moisture sensor data to decide when to irrigate. This app also predicts the amount of water needed to finish the crop by using current soil moisture and crop stage.

We are starting to see Southern rust back active but very light infection in some of our treated fields. We got about three weeks of control from the fungicides, and all fields are to a point of not being concerned because of advanced growth stage.

**Table 1.**

County	Heat Units	Crop Stage	Field Notes
Ashley	2876	R6	The field reached black layer on 7/26 with 2876 heat units.
Desha	2633	R5	The field has reached 60-70% starch. Having good soil moisture, irrigation has been terminated.
Desha	2850	R6	The field reached black layer on 7/20 with 2850 heat units.
Drew	2390	R5	The field has reached approximately 30% starch. 1.7" of rain or 2.4" of irrigation needed to finish.
Lonoke	2490	R5	The field has reached approximately 40-50% starch. 0.4" of rain or 0.6" of irrigation needed to finish.
Mississippi	2408	R5	The field has reached approximately 20% starch. 1.2" of rain or 1.7" of irrigation needed to finish.
Monroe	2446	R5	The field has reached approximately 50% starch.
Poinsett	2240	R5	The field was at dent on 7/26.
Prairie	2463	R5	The field has reached approximately 30-40% starch. 1.7" of rain or 2.4" of irrigation needed to finish.