

## Corn and Grain Sorghum Weekly Update – August 13, 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.

Irrigation has been terminated for all fields. We have taken corn stalk nitrate samples in six fields and will continue with the rest of the fields as the fields reach black layer.

**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	2954	R6	The field reached black layer on 8/9 with 2954 heat units.
Desha	2850	R6	The field reached black layer on 7/20 with 2850 heat units.
Drew	2805	R5	The field has reached approximately 90% starch.
Lonoke	2896	R5	The field has reached approximately 95% starch.
Mississippi	2802	R5	The field has reached approximately 85-90% starch with good soil moisture. Irrigation has been terminated.
Monroe	2839	R6	The field reached black layer on 8/7 with 2839 heat units.
Poinsett	2626	R5	The field has reached 50-60% starch. Irrigation was scheduled for 8/12 to finish out the year.
Prairie	2856	R6	The field reached black layer on 8/7 with 2856 heat units.