

Corn and Grain Sorghum Weekly Update – August 6, 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 except for Poinsett County. We have taken corn stalk nitrate samples in two 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	2848	R5	The field has reached 90% starch.
Desha	2850	R6	The field reached black layer on 7/20 with 2850 heat units.
Drew	2606	R5	The field has reached approximately 70% starch with good soil moisture. Irrigation has been terminated.
Lonoke	2704	R5	The field has reached approximately 85% starch with good soil moisture. Irrigation has been terminated.
Mississippi	2618	R5	The field has reached approximately 60-70% starch with good soil moisture. Irrigation has been terminated.
Monroe	2658	R5	The field has reached approximately 80% starch with good soil moisture. Irrigation has been terminated.
Poinsett	2446	R5	The field has reached 20-25% starch. Irrigation was scheduled for 8/4.
Prairie	2676	R5	The field has reached approximately 70-80% starch with good soil moisture. Irrigation has been terminated.