

Corn and Grain Sorghum Weekly Update – July 07, 2023

Division of Agriculture, University of Arkansas System, Cooperative Extension Service

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General Information

As seen in Table 1 below, heat units and crop stage along with a few notes about field activities are listed for each location. Weather data is collected at the weather station placed at each individual field. We are utilizing AgSense telemetry units with soil moisture sensors placed at 6, 12, 18, and 30 inch to collect soil moisture data. We input this data to the AR Soil Calc app to initiate irrigations.

The Corn & Grain Sorghum Research Verification Program fields are moving along fairly quickly with the recent higher nighttime temperatures. A small amount of common rust, corn leaf blight, and Curvularia leaf spot have been found in most fields but very light occurrence for these diseases.

Table 1.

County	Heat Units	Crop Stage	Field Notes
Clark	1699	R2	The field is moving along well with very light disease pressure with some common rust. 0.13" of rainfall.
Clay	1879	R3	The field continues to progress well with very light disease pressure of common rust and Curvularia leaf spot. 0.89" of rainfall.
Drew	2153	R4	The field continues to progress well with very light disease pressure of common rust, corn leaf blight, and Curvularia leaf spot. 0.27" of rainfall.
Faulkner	1858	R3	The field continues to progress well with very light disease pressure of common rust and Curvularia leaf spot. 0.83" of rainfall.
Independence	1793	R3	The field continues to progress well with very light disease pressure of common rust, corn leaf blight, and Curvularia leaf spot. 0.29" of rainfall.
Jefferson	1961	R3	The field has 50% damage from defoliation, complete plant lodging, and plants snapping right below or above the ear. 0.46" of rainfall.
Lonoke	1802	R3	The field has over 50% damage from complete plant lodging and plants snapping right below the ear. 0.11" of rainfall.
Mississippi	1974	R3	The field has greater than 50% damage from defoliation, complete plant lodging, and most damage from plants snapping below the ear. 0.19" of rainfall.
White	1781	R3	The field has 30% damage. The field continues to progress well with very light disease pressure of common rust and Curvularia leaf spot 1.73" of rainfall 7/3.