

Corn and Grain Sorghum Weekly Update – June 30, 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 storms have taken a toll once again this past week in the Corn & Grain Sorghum Research Verification Program fields. All fields have enough damage that yield will be affected. The damage ranges from approximately 5% damage to over 50%. I have included the amount of damage to each field. Some fields like the Mississippi County field have been hit three different times with hail and/or wind.

Table 1.

County	Heat Units	Crop Stage	Field Notes
Clark	1487	R1	The field has 25% damage from leaf defoliation and plant lodging. 1.02" of rainfall.
Clay	1685	R1	The field has survived the storms well with 5% damage or less. 0.18" of rainfall.
Drew	1944	R3	The field has also survived storms well with 5% damage or less. 1.01" of rainfall.
Faulkner	1623	R1	The field has about 15% damage with lodging, plant topping, and leaf damage from wind and hail. 0.64" of rainfall.
Independence	1589	R1	The field has less than 10% damage from hail and wind. 0.32" of rainfall.
Jefferson	1748	R2	The field has 45-50% damage from defoliation, complete plant lodging, and plants snapping right below or above the ear. 0.91" of rainfall.
Lonoke	1587	R1	The field has 40-45% damage from defoliation, complete plant lodging, and plants snapping right below or above the ear. 0.85" of rainfall.
Mississippi	1769	R2	The field has greater than 50% damage from defoliation, complete plant lodging, and most damage from plants snapping below the ear. 0.81" of rainfall.
White	1573	R1	The field has 30% damage from defoliation, complete plant lodging, and plants snapping right below or above the ear. 0.25" of rainfall.