

Corn and Grain Sorghum Weekly Update – June 21, 2024

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

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General Information

As seen in Table 1 below, average moisture sensor readings averaged across all 4 depth sensors (measured in centibars), heat units, 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.

Phillips, Mississippi, and Clay County fields did get rainfall Monday but after weather stations were checked. It was enough rainfall to move the moisture sensors significantly. We are scouting the fields weekly for diseases, and we have found light amounts of common rust which does not cause economic damage to field corn in Arkansas. More information on diseases that effect corn production in Arkansas can be found here <https://www.uaex.uada.edu/farm-ranch/pest-management/plant-disease/corn.aspx>.

Table 1.

County	Avg. moisture Sensor reading (in cb)	Heat Units	Crop Stage	Field Notes
Arkansas	1.3	1693	R2	Light common rust found. 1.12" rainfall last week.
Clark				Field has been too wet to plant so far this year.
Clay	12.7	1599	R1	Field has reached reproductive stage and received significant rainfall Monday. Light common rust found. 0.0" rainfall last week.
Drew	32.5	1819	R2	Light common rust found. 2.31" rainfall last week.
Jefferson	34.0	1703	R2	Light common rust found. The final damage estimate from green snap was 20%. 0.55" rainfall last week.
Lonoke	15.0	1357	V16	Pre-tassel nitrogen application made on 6/14 followed. Very light common rust found. 1.06" rainfall last week.
Mississippi	46.0	1618	R1	Field has reached reproductive stage and received significant rainfall Monday. Light common rust found. 0.0" rainfall last week.
Phillips	41	1861	R3	Field received significant rainfall Monday. Light common rust found. 0.0" rainfall last week.
White	33.7	1559	R1	Field has reached reproductive stage and light common rust found. 0.97" rainfall last week.