

## Corn and Grain Sorghum Weekly Update – June 28, 2024

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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.

Rain was spotty again this week with most fields being irrigated by the weekend. We are still finding light amounts of common rust and Curvularia leaf spot. We have started finding light amounts of Northern corn leaf blight and gray leaf spot. 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>. A rare occurrence of Japanese beetles in the Clay County field resulted in silks being cut on several ears. Pollination was completed, so no damage was incurred requiring insecticide treatment. If you have corn that is just now silking well, it will need to be scouted if Japanese beetles are in the area.

**Table 1.**

County	Avg. moisture Sensor reading (in cb)	Heat Units	Crop Stage	Field Notes
Arkansas	10.8	1901	R3	Light common, NCLB, Curvularia leaf spot. Field was irrigated last Friday.
Clark				
Clay	15.5	1797	R2	Light common rust, NCLB, Curvularia leaf spot. Japanese beetle infestation was heavy with 4-5 beetles per ear on about 30% of plants. Corn was near the end of R2, so no need for insecticide application for silk damage.
Drew	69.4	2028	R3	Light common rust, NCLB. Irrigation was started on Thursday 6/27 for 2 <sup>nd</sup> irrigation.
Jefferson	10.7	1908	R3	Light common rust, NCLB, Curvularia leaf spot, gray leaf spot. Field was irrigated starting 6/23 for 2 <sup>nd</sup> irrigation.
Lonoke	20.2	1563	R1	Light common rust, gray leaf spot. Irrigated 1 <sup>st</sup> time 6/24.
Mississippi	22.5	1823	R2	Light common rust, NCLB, gray leaf spot. Irrigated on 6/25.
Phillips	71.2	2064	R3	Light common, NCLB, Curvularia leaf spot. 2 <sup>nd</sup> pivot irrigation planned for 6/27.
White	43.0	1764	R2	Light common rust. Irrigation is scheduled for 6/28.