

Corn and Grain Sorghum Weekly Update – June 7, 2024

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

By: Chuck Capps, Verification Coordinator – Corn & Grain Sorghum

General Information

As seen in Table 1 below, average moisture sensor readings averaged across all 4 depth sensors (measured in centibars), next projected irrigation dates, 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.

Most fields received significant rainfall last week. All fields except Lonoke County will have pre-tassel applications of nitrogen applied by June 8th. We have kept up with growth stages of the verification fields in timing our herbicide and fertilizer applications through weekly field scouting. Another useful tool for timing applications can be found by using the Corn DD50 program found here <https://corndd50.uada.edu/>

The Jefferson County field has suffered approximately 20% damage from two storms over the last two weeks. The Arkansas County field had a few plants green snapped but less than 5%.

Table 1.

County	Avg. moisture Sensor reading (in cb)	Projected Irrigation date	Heat Units	Crop Stage	Field Notes
Arkansas	5	6/11	1333	V16	Pre-tassel nitrogen application made 5/30. 2.12" rainfall last week.
Clark					Field has been too wet to plant so far this year.
Clay	7	6/11	1244	V14	Pre-tassel nitrogen application planned for 6-5/6. 0.54" rainfall last week.
Drew	12	6/11	1445	V17	Pre-tassel nitrogen application made 5-31. 2.46" rainfall last week.
Jefferson	18	6/11	1339	V16	Field had green snap from the storms last 2 weeks with approx. 20% damage. 1.79" rainfall last week.
Lonoke	15	6/11	987	V11	Field is growing well. 2.09" rainfall last week.
Mississippi	23	6/10	1256	V15	Pre-tassel nitrogen application planned for 6-5/6. 1.32" rainfall last week.
Phillips	37	6/9	1498	R1	Field has reached reproductive stage of growth. 3.07" rainfall last week.
White	11	6/11	1199	V14	Pre-tassel nitrogen application planned for 6-5/6. 2.44" rainfall last week.