

Corn and Grain Sorghum Weekly Update – June 2, 2023

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, planting dates, 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.

All fields have received lay-by herbicide application and midseason nitrogen. At least one field will receive pre-tassel application of nitrogen this week. We will collect ear leaf samples from all fields to check nitrogen levels prior to pre-tassel nitrogen application. These samples provide very good data to examine nitrogen levels to determine if pre-tassel applications are necessary to reach expected yield goals. We will also collect stalk samples at maturity to further examine our nitrogen management plans in each field.

Table 1.

County	Planting Date	Plant Stand	Heat Units	Crop Stage	Field Notes
Clark	4/25	25,500	746	V7	Youngest field in the program but starting to grow well.
Clay	4/1	31,500	988	V10	The second irrigation was initiated on 5/29.
Drew	3/23	32,500	1211	V13	Pre-tassel application of nitrogen is scheduled to be flown on 6/2 followed by irrigation.
Faulkner	4/15	30,625	881	V8	The first irrigation was delayed a few days due to well problems on center pivot.
Independence	4/13	34,800	876	V8	The first irrigation was applied on 5/28.
Jefferson	4/12	33,250	986	V11	The field is getting close to pre-tassel nitrogen application.
Lonoke	4/18	35,000	832	V8	The second irrigation will be early next week.
Mississippi	3/29	36,000	1027	V11	The field is getting close to pre-tassel nitrogen application.
White	4/14	31,900	854	V8	The first irrigation began 6/1.