

## Corn and Grain Sorghum Weekly Update – June 9, 2023

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

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### 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.

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	918	V8	Grower is finishing pipe instillation from reservoir to irrigate the field.
Clay	4/1	31,500	1163	V12	The field is scheduled for pre-tassel application and irrigation to follow over the weekend. Field was V12 almost V13 on Monday 6/5, so will be approximately V14 at least with the heat.
Drew	3/23	32,500	1385	V16	Pre-tassel application of nitrogen was made on 6/2 followed by second irrigation. Irrigation was a couple of days early but needed to get urea activated in soil as it takes a little over 3 days total in 3 irrigation sets to get field irrigated.
Faulkner	4/15	30,625	1063	V11	Center pivot was making its way around for the second time to get about 2" of water across the field. Field is approaching pre-tassel application in next 7-10 days.
Independence	4/13	34,800	1048	V10	The field is beginning to grow well.
Jefferson	4/12	33,250	1178	V13	Pre-tassel application is planned this weekend 6-10 followed by irrigation to activate urea in soil.
Lonoke	4/18	35,000	1016	V10	The second irrigation was to be made mid-week.
Mississippi	3/29	36,000	1231	V14	Pre-tassel application of urea was scheduled for mid-week followed by irrigation.
White	4/14	31,900	1024	V10	The second irrigation was needed late this week.