

–May 26, 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.

Planting was completed earlier across all fields than past years with a few better breaks in the weather. Many fields have received excess rainfall early like a lot of corn across the state, but over half missed significant rainfall last weekend. Irrigation on 6 fields have begun this week. All fields except Clark County have received lay-by herbicide application and mid-season nitrogen application.

Table 1.

County	Planting Date	Plant Stand	Heat Units	Crop Stage	Field Notes
Clark	4/25	25,500	592	V5	Stand was reduced in one corner of field due to bird damage. Most of the field is closer to 27,500 plants per acre.
Clay	4/1	31,500	821	V8	Hailstorm about 1 week after emergence reduced stand from 33,000. Field has received midseason nitrogen application. First irrigation was 5/19.
Drew	3/23	32,500	1039	V10	Earliest planted field in the program and is growing well. First irrigation is scheduled for 5/25.
Faulkner	4/15	30,625	721	V7	Field has received mid-season nitrogen application. Planned to irrigate with pivot on 5/25.
Independence	4/13	34,800	719	V7	Field has received mid-season nitrogen application.
Jefferson	4/12	33,250	811	V8	Field has received mid-season nitrogen application. First irrigation initiated on 5/25.
Lonoke	4/18	35,000	665	V6	Field has received mid-season nitrogen application. First irrigation was 5/22.
Mississippi	3/29	36,000	846	V9	Field is scheduled for first irrigation on 5/27.
White	4/14	31,900	696	V7	Field has received mid-season nitrogen application.