

Corn and Grain Sorghum Weekly Update – June 25, 2021

2021 Update

Corn and Grain Sorghum Research Verification – Chuck Capps (Corn & GS Verification Coordinator)

As seen in Table 1 below, available moisture in soil profile in inches (according to Soil Moisture Calc app), projected days to next irrigation (according to Soil Moisture Calc app), heat units, and crop stage along with a few notes about field activities are listed for each location. We are using 6, 12, 18, and 30 inch soil moisture sensors connected to an AgSense telemetry unit to allow us a real time look at what soil moisture content is in the fields. The soil moisture and irrigation date data in Table 1 are from Thursday 6/24/21. Rainfall totals are for the past week.

A small amount of common rust, Northern corn leaf blight (NCLB), and Curvularia leaf spot have been found in a couple of the older fields but very light occurrence for all diseases.

Table 1.

County	Soil Moisture	Days to Irrigation	Heat Units	Crop Stage	Field Notes
Ashley	0.38	0.6	1896	R3	Irrigated 6/21. Very light common rust, NCLB, and Curvularia leaf spot. 0.50" of rainfall
Desha	1.09	2.6	1625	R1	Irrigation was started on 1/3 rd of field prior to rainfall. Very light common rust and Curvularia leaf spot. 0.46" of rainfall.
Desha	0.56	1.4	1947	R3	Very light common rust, NCLB, and Curvularia leaf spot. 0.79" of rainfall.
Drew	0.96	2.6	1376	V17	Pre-tassel applied 6/23 and irrigation started on 6-24. Very light common rust and Curvularia leaf spot. 0.87" of rainfall.
Lonoke	1.7	4.7	1511	R1	Very light common rust and Curvularia leaf spot. 0.1" of rain.
Mississippi	2.31	7.1	1429	V18	Pre-tassel nitrogen application was made last week followed by irrigation.
Monroe	0.58	0.9	1456	R1	Very light common rust and Curvularia leaf spot.
Poinsett	0.39	0.6	1271	V15	Pre-tassel planned for this week followed by irrigation. Very light common rust and Curvularia leaf spot.
Prairie	1.7	5.1	1485	V18	Irrigated 6-18. Very light common rust and Curvularia leaf spot.