

Corn and Grain Sorghum Weekly Update – June 18, 2021

2021 Update

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

As seen in Table 1 below, available soil moisture (according to Soil Moisture Calc app), projected irrigation date (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 1 pm Thursday 6/17/21. Rainfall totals are for the past week.

A small amount of common rust and Curvularia leaf spot have been found in a couple of the older fields but very light occurrence.

Table 1.

County	Soil Moisture	Irrigation Date	Heat Units	Crop Stage	Field Notes
Ashley	0.90	6/19	1700	R2	Very light common rust and Curvularia leaf spot. 0.54" of rainfall
Desha	1.70	6/22	1461	V17	Preliminary counts show 36% green snap and severely damaged plants from the storm last week. Very light common rust and Curvularia leaf spot. 1.86" of rainfall.
Desha	1.70	6/22	1783	R2	Very light common rust and Curvularia leaf spot. 1.43" of rainfall.
Drew	0.83	6/19	1179	V13	Plan to apply nitrogen followed by irrigation. 0.87" of rainfall.
Lonoke	1.70	6/22	1315	V17	Pre-tassel nitrogen was applied this week. Very light common rust and Curvularia leaf spot. 1.95" of rain.
Mississippi	1.87	6/23	1233	V14	Pre-tassel nitrogen application is planned for this week. 0.35" of rainfall
Monroe	0.82	6/19	1264	V15	Green snap is a little over 5%. Pre-tassel nitrogen application is going out this week followed by first irrigation. Very light common rust and Curvularia leaf spot. 3.12" of rainfall
Poinsett			1075	V12	Field has grown rapidly after receiving the warmer weather. 0.39" of rainfall

Prairie	1.42	6/21	1092	V15	Significant green snap in the field following storms las week. Pre-tassel nitrogen application this week followed by first irrigation. Very light common rust and Curvularia leaf spot. 3.21" of rainfall
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