

Corn and Grain Sorghum Weekly Update – July 29, 2022

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

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General Information

Irrigation has been terminated in both Desha County fields for a week and Prairie County will be irrigated for the last time this week. We are utilizing soil moisture sensors placed at depths of 6", 12", 18", and 30". These sensors are attached to an AgSense telemetry unit that allows us to be updated on soil moisture status in real time through the AgSense phone app. We utilize the AR Soil Calc app to input the soil moisture sensor data along with other info utilized by the app to determine irrigation date. The AR Soil Calc app is also very useful in helping us to know how many inches of water is needed to finish the crop and terminate irrigation.

We found Southern Rust in Desha County field II on a couple of leaves last week and in Faulkner County on about 20 leaves this week. The Desha County field was only a few days from black layer and Faulkner County not far from dent. All fields are far enough long that we should not have to worry at this point.

Table 1.

County	Hybrid	Heat Units	Crop Stage	Field Notes
Desha I	DeKalb DKC 67-94	2851	R5 90% Starch	The field was at 90% starch on 7/26.
Desha II	AgriGold 6544VT2P	2868	R5 95% Starch	The field was at 95% starch on 7/26.
Faulkner	Local LC1987 VT2P	2258	R4	The soil profile according to sensors contains 0.70" of water and needs 5.0" of water to finish the crop.
Independence	Dyna-Gro D57CC51	2215	R4	The soil profile according to sensors contains 1.28" of water and needs 5.0" of water to finish the crop.
Jefferson	Progeny PGY9117VT2P	2473	R5 35% Starch	The soil profile according to sensors contains 1.59" of water and needs 2.2" of water to finish the crop.
Lonoke	DeKalb DKC 65-95	2337	R5 20% Starch	The soil profile according to sensors contains 0.51" of water and needs 3.7" of water to finish the crop.
Monroe	BH 8721VT2P	2025	R4	The soil profile according to sensors contains 1.44" of water and needs 7.5" of water to finish the crop.
Poinsett	Pioneer P1847VYHR	2218	R4	The soil profile according to sensors contains 2.02" of water and needs 6.0" of water to finish the crop.
Prairie	DeKalb DKC 70-27	2562	R5 40% Starch	The soil profile according to sensors contains 0.27" of water and needs 2.2" of water to finish the crop.