

## Corn and Grain Sorghum Weekly Update – July 15, 2022

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

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### General Information

Timely irrigation remains our biggest focus. 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.

Northern corn leaf blight (NCLB) and Curvularia leaf spot disease pressure continues to be light. Desha County I has Gray Leaf Spot but disease severity is approximately the same as two weeks ago.

**Table 1.**

County	Hybrid	Heat Units	Crop Stage	Field Notes
Desha I	DeKalb DKC 67-94	2431	R5 30% starch	This field has been irrigated 4 times. The soil profile according to sensors contains 1.72" of water and only needs 3.1 inches of water to finish the crop.
Desha II	AgriGold 6544VT2P	2446	R5 40% starch	This field has only been irrigated twice. The soil profile according to sensors contains 1.86" of water and only needs 2.5 inches of water to finish the crop.
Faulkner	Local LC1987 VT2P	1836	R3	The field was to be irrigated on Thursday. The soil profile according to sensors contains 0.12 of water and needs 10.5" of water to finish the crop.
Independence	Dyna-Gro D57CC51	1807	R2	This field has only been irrigated 4 times. The soil profile according to sensors contains 1.07" of water and needs 12" of water to finish the crop.
Jefferson	Progeny PGY9117VT2P	2052	R4	This field has only been irrigated 4 times. The soil profile according to sensors contains 0.83" of water and needs 7.5" of water to finish the crop.
Lonoke	DeKalb DKC 65-95	1911	R3	This field has only been irrigated 4 times. The soil profile according to sensors contains 0.11" of water and needs 10.5" of water to finish the crop.
Monroe	BH 8721VT2P	1611	R1	This field has only been irrigated 3 times. The soil profile according to sensors contains 1.29" of water and needs 12" of water to finish the crop.
Poinsett	Pioneer P1847VYHR	1814	R2	This field has only been irrigated 3 times. The soil profile according to sensors contains 1.29" of water and needs 12" of water to finish the crop.
Prairie	DeKalb DKC 70-27	2142	R4	This field has only been irrigated 4 times. The soil profile according to sensors contains 0.83" of water and needs 6.5" of water to finish the crop.