Corn and Grain Sorghum Weekly Update – August 5, 2022

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General Information

As seen in Table 1 below, heat units and crop stage along with a few notes about field activities are listed for each location. Irrigation has been terminated for several fields using the AR Soil Calc app. We have been using this tool to input soil moisture sensor data to decide when to irrigate. This app also predicts the amount of water needed to finish the crop by using current soil moisture and crop stage.

Irrigation has been terminated for Desha I, II, Jefferson, Lonoke, and Prairie County Fields. We have taken corn stalk nitrate samples in two fields and will continue with the rest of the fields as the fields reach black layer.

Table 1.

County	Hybrid	Heat Units	Crop Stage	Field Notes
Desha I	DeKalb DKC 67-94	2912	R6	Field reached black layer (R6) this past week and stalk samples were taken.
Desha II	AgriGold 6544VT2P	2899	R6	Field reached black layer (R6) this past week and stalk samples were taken.
Faulkner	Local LC1987 VT2P	2470	R5 25% Starch	The soil profile according to sensors contains 0.54” of water and needs 2.2” of water to finish the crop.
Independence	Dyna-Gro D57CC51	2416	R5	The soil profile according to sensors contains 1.12” of water and needs 3.7” of water to finish the crop.
Jefferson	Progeny PGY9117VT2P	2473	R5 50% Starch	Irrigation has been terminated for this field.
Lonoke	DeKalb DKC 65-95	2546	R5 50% Starch	Irrigation has been terminated for this field.
Monroe	BH 8721VT2P	2235	R5	The soil profile according to sensors contains 1.59” of water and needs 5.0” of water to finish the crop.
Poinsett	Pioneer P1847VYHR	2420	R5	The soil profile according to sensors contains 1.86” of water and needs 3.7” of water to finish the crop.
Prairie	DeKalb DKC 70-27	2778	R5 85% Starch	Irrigation has been terminated for this field.