

Corn and Grain Sorghum Weekly Update – July 1, 2022

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

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General Information

All of the fields except Monroe and Independence will have tasseled by the end of this week. Lonoke, Poinsett, and Faulkner Counties were very close to tassel early this week and should be full tassel by today July 1. Irrigation is well under way in all fields. 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.

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 these diseases. Desha County I has Gray Leaf Spot but not to treatment level. The corn was just a couple of days from R4 on Wednesday.

Table 1.

County	Hybrid	Heat Units	Crop Stage	Field Notes
Desha I	DeKalb DKC 67-94	1994	R3	Field is growing well. Field was irrigated on 6-29-22 for the 2nd time. Gray leaf spot is moderate.
Desha II	AgriGold 6544VT2P	2003	R4	Field is growing well. Field was irrigated for the first time on 6/24.
Faulkner	Local LC1987 VT2P	1428	V17	Pre-tassel nitrogen application was made on 6/23 and received second irrigation on 6/24.
Independence	Dyna-Gro D57CC51	1400	V15	Pre-tassel nitrogen application was made on 6/27 and received second irrigation on 6/29.
Jefferson	Progeny PGY9117VT2P	1513	R1	Field is growing well and was at full silking on 6/29. Field was irrigated 2 nd time on 6/27.
Lonoke	DeKalb DKC 65-95	1498	VT	Pre-tassel fertilizer was made on 6/28 and was irrigated 6/29. Very light common rust.
Monroe	BH 8721VT2P	1203	V15	Pre-tassel application of nitrogen will be made ahead of next irrigation.
Poinsett	Pioneer P1847VYHR	1406	V17	Pre-tassel application of nitrogen was made on 6/25 and followed by irrigation.
Prairie	DeKalb DKC 70-27	1741	R2	Field is growing well and had a light amount of common rust.