

Corn and Grain Sorghum Weekly Update – July 9, 2021

2021 Update

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

As seen in Table 1 below, projected days to next irrigation (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.

Southern rust has been found in several of our Corn Verification fields. Two will not be treated due to later crop stage. Dr Travis Faske, Extension Plant Pathologist, has put together a publication to consult regarding Southern Rust on our website under corn disease management - <https://www.uaex.edu/farm-ranch/pest-management/plant-disease/field-crop-diseases/corn/diseases.aspx>

Table 1.

County	Days to Irrigation	Heat Units	Crop Stage	Field Notes
Ashley	1	2314	R5	Southern Rust was found this week but very light infection. Field will not be treated due to corn already reaching dent stage. The field was irrigated on 7/2 and received 0.83" of rain this week.
Desha	3	2013	R3	Southern Rust was found in this field in light occurrence. Field was irrigated on 7/5.
Desha	3	2365	R5	Very light common rust, NCLB, and Curvularia leaf spot. Field was irrigated on 7/4.
Drew	3	1767	R3	Irrigated on 7/6. Southern Rust was found in several spots through the field on individual leaves. Field is scheduled to be treated this week.
Lonoke	4	1886	R3	Field was irrigated 7/6. Southern Rust was found and treated 7/7 with Quilt XL at 14 oz/acre.
Mississippi	5	1808	R2	Irrigated 7/1. Very light common rust, NCLB, and Curvularia leaf spot.
Monroe	3	1844	R3	Irrigated 7/7. Southern Rust was found, and the field is scheduled to be treated this week. Very light common rust and Curvularia leaf spot.
Poinsett	1	1650	R2	Very light common rust and Curvularia leaf spot.
Prairie	5	1865	R3	Irrigated 7/7. Southern Rust was found, and the field is scheduled to be treated this week. Very light common rust, and Curvularia leaf spot.