

Corn and Grain Sorghum Weekly Update – July 26, 2024

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

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General Information

As seen in Table 1 below, the next irrigation date, heat units, crop stage along with a few notes about field activities are listed for each location. Weather data is collected at the weather station placed at each individual field. We are utilizing AgSense telemetry units with soil moisture sensors placed at 6, 12, 18, and 30 inch to collect soil moisture data. We input this data to the AR Soil Calc app to initiate irrigations. With sufficient soil moisture and crop stage, irrigation has been terminated in all but the Lonoke County field.

Southern rust has been found in the Arkansas, Drew, Phillips, Mississippi, White, and Clay County fields. More information on corn diseases and treatment recommendations can be found here <https://www.uaex.uada.edu/farm-ranch/pest-management/plant-disease/corn.aspx>.

Table 1.

County	Next irrigation date	Heat Units	Crop Stage	Field Notes
Arkansas	Terminated	2699	R5 75% starch	Southern rust, common rust, NCLB, Curvularia leaf spot. Soil moisture is good, and irrigation has been terminated. 1.27" of rainfall.
Clark				
Clay	Terminated	2556	R5 65% starch	Southern rust, common rust, NCLB, Curvularia leaf spot. With adequate soil moisture to finish the crop, irrigation has been terminated. 1.63" of rainfall.
Drew	Terminated	2840	R5 90% starch	Southern rust, common rust, NCLB, Curvularia leaf spot. With adequate soil moisture to finish the crop, irrigation has been terminated. 1.02" of rainfall.
Jefferson	Terminated	2712	R5 70% starch	Common rust, NCLB, Curvularia leaf spot, gray leaf spot. With adequate soil moisture to finish the crop, irrigation has been terminated. 0.60" of rainfall.
Lonoke	8/2	2366	R5 20% starch	Common rust, gray leaf spot, Curvularia leaf spot. Corn needs approx. 3.7 inches of water to finish the crop. 1.30" of rainfall.
Mississippi	Terminated	2615	R5 60% starch	Southern rust, common rust, NCLB, gray leaf spot. With adequate soil moisture to finish the crop, irrigation has been terminated. 0.71" of rainfall.
Phillips	Terminated	2871	R5 90% starch	Southern rust, common rust, NCLB, Curvularia leaf spot. With adequate soil moisture to finish the crop, irrigation has been terminated.
White	Terminated	2559	R5 70% starch	Southern rust, common rust, NCLB. With adequate soil moisture to finish the crop, irrigation has been terminated. 1.22" of rainfall.