

Arkansas ROW CROP VERIFICATION



2023 Arkansas Cotton Research Verification Program Weekly Update – September 1, 2023

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

By: Joe McAlee, Cotton Verification Coordinator

General Information

We are starting to see the light at the end of the tunnel. Most all of our fields are past insects and any need for a last irrigation. Now it is just a waiting game to watch those upper bolls mature out. We need to make sure we are slicing bolls to make sure our upper most harvestable boll is matured out before we start putting our harvest aids out to prevent any discounts from hitting us after at the end of the season. We are seeing some hard lock and boll rot but they have been in localized areas, hopefully this will not impact yield too severely. As we get closer to defoliation and we start wondering when that 850 HU mark has hit, extension has a very helpful tool for calculating heat units. All that is needed is the date of cutout and the county in which the field is located and this program will give you up to date heat units for making management decisions based. This can be found at <https://growdegrecalc.uada.edu/>

County	Field Name	Variety	Plants /A	DAP to First Flower/ NAWF @ FF/Current NAWF	Cutout Date/ DAP to Cutout/ DD60s after Cutout @ visit	Field Notes
Desha/Drew	Winchester	NG 3195 B3XF	35,153	51/ 9/ 0	7-23/ 78/ 996	Last field visit on 8-29. Cotton is 19 node, 36-18" tall. No rain since last visit. Field is currently sitting right at 50% open, sliced bolls are showing a goof seed coat above the top open boll. This field is ready for its first shot of defoliant and any time. We are seeing a few rotten bolls in this field but this shouldn't impact yield much if at all.
Poinsett	Judd Hill (Crop Intensification)	DP 2127 B3XF	19,105	56/ 10/ 0	7-29/ 85/ 662	Last field visit on 8-31. Cotton is 19-20 node, 36-38" tall. .6" of rain since last visit. Field is currently about 30% open. Sliced bolls have good seed coat 1-2 nodes above the upper open boll. Target spot has defoliated about 10% of lower leaves. The producer is hoping to be defoliating late next week.
Poinsett	Judd Hill (Cover Crop)	DP 2127 B3XF	39,356	58/ 9/ 0	7-30/ 86/ 636	Last field visit on 8-31. Cotton is 19-20 node, 36-38" tall. .6" of rain since last visit. Field is currently about 25% open. Sliced bolls have good seed coat 1-2 nodes above the upper open boll. Target spot has defoliated about 35% of lower leaves. A decent bit of hard lock has already started to show

						up in this field. Most likely due to lack of airflow in the lower portion of the canopy. The producer is hoping to be defoliating late next week.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2127 B3XF	39,738	56/ 9/ 0	7-30/ 86/ 636	Last field visit on 8-31. Cotton is 19-20 node, 36-38" tall. .6" of rain since last visit. Field is currently about 25% open. Sliced bolls have good seed coat 1-2 nodes above the upper open boll. Target spot has defoliated about 30% of lower leaves. A decent bit of hard lock has already started to show up in this field, not quite as bad as the cover crop field at this location but they are still not hard to find. The producer is hoping to be defoliating late next week.
Lee	Lee (cover)	PHY 360 W3FE	40,502	52/ 9/ 0	7-24/ 72/ 850	Last field visit on 8-29. 18-19 node cotton, 38" tall. .2" of rain since last visit. Field is at 40% open. This field is very close to being ready with just a few upper bolls left to mature. The cooperater is thinking the field will most likely be sprayed at the first part of next week.
Lee	Lee (no cover)	PHY 360 W3FE	37,153	53/ 8/ 0	7-26/ 74/ 809	Last field visit on 8-29. 18-19 node cotton, 38" tall. .2" of rain since last visit. Field is at 50% open. This field is very close to being ready with just a few upper bolls left to mature. The cooperater is thinking the field will most likely be sprayed at the first part of next week.
Jackson	Kent	PHY 411 W3FE	38,974	66/ 11/ 4.2	8-15/ 94/ 307	Last field visit on 8-31. 22 node cotton, 38-48" tall. .1" of rain since last visit. We are past plant bugs in this field finally, but are not out of the woods yet. We have a few stink bugs in this field but we are not quite to threshold just yet. With everything around this field drying down this field has become a haven for any and all insects to move into. We are still holding a pretty decent boll load. We will keep watching this field to protect the crop we have and try to get this field through to defoliation.