

Arkansas ROW CROP VERIFICATION



2023 Arkansas Cotton Research Verification Program Weekly Update – August 11, 2023

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

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General Information

Cloudy and cooler temps are have hit us this week which has led to a lot of our outer positions to shed. We are still holding a very good boll load so it isn't something we need to worry about. But with this weather we need to be on the lookout for disease. We have heard some reports of bacterial blight showing up in a few fields but nothing is widespread yet. Target spot is in most of our fields but at the current rate this will help us with defoliation and could help us avoid some boll rot in our thicker fields. As we are reaching our calendar cutout date for our later planted fields this next week, our big task will be keeping plant bugs out as our other crops are drying down. Insecticide thresholds and termination timings can be easily found on our cotton quick facts sheet. This can be found at <https://www.uaex.uada.edu/farm-ranch/crops>. As our fields are reaching cutout in the state, 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://growdegreecalculator.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/ 2.6	7-23/ 78/ 230	Last field visit on 8-1. Cotton is 19 node, 36" tall. .1" of rain since last visit. Field was irrigated over the weekend and is holding good soil moisture. TPB were found in field but not quite to threshold. This field should be done with TPB applications for the season.
Poinsett	Judd Hill (Crop Intensification)	DP 2127 B3XF	19,105	56/ 10/ 1.4	7-29/ 85/ 260	Last field visit on 8-10. Cotton is 19-20 node, 36-38" tall. 2.75" of rain since last visit. This field started showing drought stress on Friday of last week and was irrigated. Field is currently very wet. No TPB found while scouting, few patches of spider mites are still in the field but this weather should keep them at bay. We will keep monitoring populations and treat if this field reaches threshold. We also have a few target spots showing up, this shouldn't cause an issue but we will keep monitoring.

Poinsett	Judd Hill (Cover Crop)	DP 2127 B3XF	39,356	58/ 9/ 1.5	7-30/ 86/ 83	Last field visit on 8-10. Cotton is 19-20 node, 38-40" tall. 2.75" of rain since last visit. Field is pretty wet. No TPB found while scouting. We have a few patches of spider mites but populations don't look to be growing. Target spot has spread across this field but could help us in the long run. It is on about 10% of the leaves in the bottom of the canopy.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2127 B3XF	39,738	56/ 9/ 1.5	7-30/ 86/ 83	Last field visit on 8-10. Cotton is 19-20 node, 38-40" tall. 2.75" of rain since last visit. Field is pretty wet. No TPB found while scouting. We have a few patches of spider mites but populations don't look to be growing. Target spot has spread across this field but could help us in the long run. It is on about 10% of the leaves in the bottom of the canopy.
Lee	Lee (cover)	PHY 360 W3FE	40,502	52/ 9/ 1	7-24/ 72/ 409	Last field visit on 8-10. 18-19 node cotton, 38" tall. .51" of rain since last visit. Field is holding decent soil moisture. We are past our heat unit cutoff for TPB. Spider mites were spreading in this field early this week and the decision to spray was made, field was sprayed on Wednesday and will hopefully be the last time we have to go across it.
Lee	Lee (no cover)	PHY 360 W3FE	37,153	53/ 8/ 1.2	7-26/ 74/ 368	Last field visit on 8-10. 18-19 node cotton, 36" tall. .51" of rain since last visit. Field is holding decent soil moisture. We are past our heat unit cutoff for TPB. Spider mites were continuing to spread in this field early this week and the decision to spray was made, field was sprayed on Wednesday and will hopefully be the last time we have to go across it.
Jackson	Kent	PHY 411 W3FE	38,974	66/ 11/ 6.2	-/-/-	Last field visit on 8-2. 21 node cotton, 38-48" tall. 2.67" of rain since last visit. TPB were found to be at threshold. And will be sprayed soon. We also saw a few stinkbugs in the field so we will make sure those get cleaned up as well. We finally got this field under control with pix but we may still need another shot to shut down with cutout. This field will be cutout on or very close to calendar date as late as it has been running this year.