



## 2023 Arkansas Cotton Research Verification Program

### Weekly Update – July 21, 2023

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

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#### General Information

More rain and humidity as we are past the halfway point of July with more rain in the forecast. We did dry out a little bit towards the end of this week making it so producers could get their ground rigs out and catch up on some of their applications. Tarnished plant bugs really blew up this week with all of the fields in the CRVP being at treatment levels. 1<sup>st</sup> position fruit retention is still holding good however between weather and TPB we are seeing a fruit shed in most of our fields from outer position fruit. If we can keep our retention up like we have through the rest of this season we should be looking at very good yields when harvest rolls around. As we get closer to cutout, extension has a very helpful tool for calculating heat units. This can be found at <https://growdegrecalc.uada.edu/>

County	Field Name	Variety	Plants /A	DAP to First Flower/ NAWF @ FF	# Fruiting Nodes/ Total Retention	Field Notes
Desha/Drew	Winchester	NG 3195 B3XF	35,153	51/9	10.1/89%	Last field visit on 7-18. Cotton is 17-18 node, 30-34" tall. 1.9" of rain since last visit. Field has good soil moisture. NAWF at time of visit was 6.1. TPB were found to be at threshold and the recommendation to spray was made. No other pests found in this field.
Poinsett	Judd Hill (Crop Intensification)	DP 2127 B3XF	19,105	56/10	11.8/95%	Last field visit on 7-20. 17-18 node cotton, 34-36" tall. 3" of rain since last visit. NAWF at the time of the visit was 7. TPB were found to be at threshold and the recommendation to spray was made. We are starting to see a fruit shed from both weather events as well as from TPB. Most TPB found were young nymphs so it was recommended that diamond be included in this application. This field will also need a shot of pix to help shut these plants down so we can focus on boll fill.
Poinsett	Judd Hill (Cover Crop)	DP 2127 B3XF	39,356	58/9	10.8/91%	Last field visit on 7-20. 17-18 node cotton, 38-40" tall. 3" of rain since last visit. NAWF at the time of the visit was 7.2. TPB were found to be at threshold and the recommendation to spray was made. We are starting to see a fruit shed from both weather events as well as from TPB. Most TPB found were young nymphs so it was

						recommended that diamond be included in this application.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2127 B3XF	39,738	56/ 9	11/ 92%	Last field visit on 7-20. 17 node cotton, 38" tall. 3" of rain since last visit. NAWF at the time of the visit was 6.6. TPB were found to be at threshold and the recommendation to spray was made. We are starting to see a fruit shed from both weather events as well as from TPB. Most TPB found were young nymphs so it was recommended that diamond be included in this application. Target spot was also found in this field with <5% of plants infected. We will monitor this field to make sure we don't see it getting on any of the bolls.
Lee	Lee (cover)	PHY 360 W3FE	40,502	52/ 9	10.6/ 96%	Last field visit on 7-18. 16 node cotton, 34-36" tall. .45" of rain since last visit. NAWF at the time of visit was 5.8. TPB were found to be at threshold and the recommendation to spray was made. Field was sprayed later that day with transform and diamond. Soil moisture is good.
Lee	Lee (no cover)	PHY 360 W3FE	37,153	53/ 8	10.2/ 90%	Last field visit on 7-18. 16-17 node cotton, 34-36" tall. .45" of rain since last visit. NAWF at the time of visit was 6.4. TPB were found to be at threshold and the recommendation to spray was made. Field was sprayed later that day with transform and diamond. Soil moisture is good.
Jackson	Kent	PHY 411 W3FE	38,974	66/ 11	11.4/ 91%	Last field visit on 7-18. 16 node cotton, 28" tall. 2.9" of rain since last visit. TPB were found in this field to at threshold, this field will be sprayed later this week. This field finally reached >50% flowering and has a current NAWF of 9.6. This field will most likely be cutout by calendar date as late as it has been running this year.