

# Arkansas ROW CROP VERIFICATION



## 2023 Arkansas Cotton Research Verification Program Weekly Update – August 4, 2023

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

By: Joe McAlee, Cotton Verification Coordinator

### General Information

Another hot and dry this week for most of the state as more of our fields are reaching cutout. Plant bugs have been beaten back in our verification fields but could still be an issue for some. It is important to remember threshold bumps from 3 to 6 TPB/5' of row after cutout. Spider mites are flaring back up with the weather we are getting, hopefully rains that are in the forecast for next week will come and those populations will start to die out. A lot of fields were irrigated this week but if we can catch these rains, those will hopefully be the last times we turn the wells on. 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://growdegreecalc.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/ 3.2	7-29/ 85/ 108	Last field visit on 8-3. Cotton is 19 node, 34-38" tall. No rain since last visit. This field is holding fair moisture below 4" and good moisture past 6" no drought stress showing up yet so we have decided to try to catch the next rain and hopefully avoid the last irrigation. No TPB found while scouting however we do have a few patches of spider mites showing up. We will keep monitoring populations and treat if this field reaches threshold.
Poinsett	Judd Hill (Cover Crop)	DP 2127 B3XF	39,356	58/ 9/ 3.6	7-30/ 86/ 83	Last field visit on 8-3. Cotton is 19 node, 34-38" tall. No rain since last visit. This field was irrigated Monday into Tuesday and currently has good soil moisture. No TPB found while scouting however we do have a few patches of spider mites

						showing up. We will keep monitoring populations and treat if this field reaches threshold.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2127 B3XF	39,738	56/ 9/ 3.8	7-30/ 86/ 83	Last field visit on 8-3. Cotton is 19 node, 34-38" tall. No rain since last visit. This field was irrigated Tuesday into Wednesday and currently has good soil moisture. No TPB found while scouting however we do have a few patches of spider mites showing up. We will keep monitoring populations and treat if this field reaches threshold.
Lee	Lee (cover)	PHY 360 W3FE	40,502	52/ 9/ 3.2	7-24/ 72/ 194	Last field visit on 8-1. 18 node cotton, 38" tall. No rain since last visit. Field was irrigated on Sunday and is holding good soil moisture. A few TPB were found but not at threshold. Small patches of spider mites are in this field but populations do not appear to be growing. This field should be setting up well for an early harvest.
Lee	Lee (no cover)	PHY 360 W3FE	37,153	53/ 8/ 3.4	7-26/ 74/ 151	Last field visit on 8-1. 18 node cotton, 36" tall. No rain since last visit. Field was irrigated on Sunday and is holding good soil moisture. A few TPB were found but not at threshold. We are pushing threshold on spider mites in this field as populations are growing. The producer is planning to spot spray for them to keep from a full application in a week or 2. This field should be setting up well for an early harvest.
Jackson	Kent	PHY 411 W3FE	38,974	66/ 11/ 7.8	-/-/-	Last field visit on 8-2. 20-21 node cotton, 46-48" tall. No rain since last visit. TPB were found to be below threshold. This field was irrigated at the end of last week and is holding fair soil moisture. We are still trying to shut this field down on lateral growth. Another shot of pix went out later in the day from our visit. This field will be cutout by calendar date as late as it has been running this year.