

Arkansas ROW CROP VERIFICATION



2022 Arkansas Cotton Research Verification Program Weekly Update – August 12, 2022

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

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General Information

We are starting to enter the home stretch of the summer as we approach our calendar date cutout days across the state. A lot of our fields still have a lot of horsepower behind them with all the rain we have received. We need to keep hammering the pix on these fields to finish shutting down these plants and keep from any rank growth. With corn drying down, some fields have had plant bugs move in. We should be mindful of our heat unit insecticide terminations points as to not spend more money than we need to in this already expensive year.

The Extension service has a useful tool for finding out how may heat units have been accumulated with our DD60 calculator. It is very fast and easy to use. This resource can be found at <https://growdegreecalc.uada.edu/>

County	Field Name	Variety/ Planting date	Plants/A	DAP to First Flower/ NAWF @ FF /Current NAWF	Cutout Date / DAP to Cutout/ DD60s after cutout	Field Notes
Desha/Drew	Winchester	DP 2211 B3TXF 5-12	31,800	57/ 9/ 2.2	7-27/ 76/ 329	Last field visit on 8-3. 19 node cotton, 48-50" tall. Field was sprayed to clean up plant bugs for the last time on the morning of 8-9, no field visit this week (8-10).
Poinsett	Judd Hill (Crop Intensification)	DP 2038 B3XF 5-13	19,678	71/ 11/ 6.8	-/-/-	Last field visit on 8-11. 22-23 node cotton, 40-42" tall. Field received .3" of rain since last week. Tarnished plant bug nymphs were found to be at threshold and the recommendation to spray has been made, this will be the first insecticide spray this field has had. Pix is still being recommended, field has been too wet to spray. This field is going to end up being cutout by calendar date.
Poinsett	Judd Hill (Cover Crop)	DP 2038 B3XF 5-13	29,231	71/ 10/ 7	-/-/-	Last field visit on 8-11. 22-23 node cotton, 40-42" tall. Field received .3" of rain since last week. Tarnished plant bug nymphs were found to be at threshold and the recommendation to spray has been made. Pix is still being

						recommended, field has been too wet to spray. This field is going to end up being cutout by calendar date.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2038 B3XF 5-13	30,759	71/ 10/ 6.8	-/-/-	Last field visit on 8-11. 22-23 node cotton, 40-42" tall. Field received .3" of rain since last week. Tarnished plant bug nymphs were found to be at threshold and the recommendation to spray has been made. Pix is still being recommended, field has been too wet to spray. This field is going to end up being cutout by calendar date.
Poinsett	Lepanto	DP 2127 B3XF 5-12	30,950	68/ 10/ 5.4	-/-/-	Last field visit on 8-11. 21-22 node cotton, 40" tall. Field is clean of any pests. Field received .7" of rain Since last week's visit. This field is going to be cutting it very close to hit physiological cutout before our calendar date.
Lee	Lee (cover)	PHY 360 W3FE 5-4	24,072	58/ 10/ 2	7-18/ 75/ 458	Last field visit on 8-9. 20-21 node cotton, 40-42" tall. Spider mites are no longer an issue in this field, all have died off from the weather events. We are starting to see a little boll rot in this field, very low numbers however it was found. No other pests found in this field. The field was sprayed with pix one last time on 8-8. The producer has terminated irrigation and insecticide sprays. Our next task on this field will be defoliation.
Lee	Lee (no cover)	PHY 360 W3FE 5-4	24,263	58/ 10/ 2	7-19/ 76/ 438	Last field visit on 8-9. 20-21 node cotton, 40-42" tall. Spider mites are no longer an issue in this field, all have died off from the weather events. We are starting to see a little boll rot in this field, very low numbers however it was found. No other pests found in this field. The field was sprayed with pix one last time on 8-8. The producer has terminated irrigation and insecticide sprays. Our next task on this field will be defoliation.
Demo	BCI/US Trust Protocol (cover)	DP 1646 B2XF 5-19	11,463	64/ 8/ 5.8	-/-/-	Last field visit on 8-11. 20-21 node cotton, 30" tall. Field received 4.4" of rain since last week. There was a mishap with this field and we have a pretty hard herbicide burn, this has led to a large fruit and leaf shed. It has been decided we will terminate any spray applications unless absolutely needed to save any money we can after this.
Demo	BCI/US Trust Protocol (no cover)	DP 1646 B2XF 5-19	28,658	64/ 8/ 6.0	-/-/-	Last field visit on 8-11. 20-21 node cotton, 32" tall. Field received 4.4" of rain since last week. There was a mishap with this field and we have a pretty hard herbicide burn, this has led to a large fruit and leaf shed. It has been decided we

						will terminate any spray applications unless absolutely needed to save any money we can after this.
Demo	ASHA (cover)	PHY 411 W3FE 5-13	9,648	59/ 9/ 5.4	-/-/-	Last field visit on 8-11. 23-24 node cotton, 40" tall. Field received .5" of rain since last week. Sprayer pulled into the field during the visit to clean up TPB and hit with pix, so no insect scouting was done at visit. This field is going to cut very close to physiological cutout by the calendar date cutout.