

Arkansas ROW CROP VERIFICATION



2022 Arkansas Cotton Research Verification Program Weekly Update – July 29, 2022

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

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General Information

This week was another hot one but rain and cooler temps are moving in for the weekend. The cloud cover won't be the best for our cotton but the rain will be appreciated and might save an irrigation for those who catch it. As more of our fields are reaching cut out and we are beginning to accumulate heat units. It's important to not waste money on sprays past our insecticide termination based off heat units. This weekend may slow accumulation some but warm temps are back in the forecast for this next week. The Extension service has a useful tool for finding out how many heat units have been accumulated with our DD60 calculator. It is very fast and easy to use. This resource can be found at <https://growdegrecalc.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 @ visit	Field Notes
Desha/Drew	Winchester	DP 2211 B3TXF 5-12	31,800	57/ 9/ 4.9	7-27/ 76/ -	Last field visit on 7-27. 17-18 node cotton, 46-48" tall. This field is looking very good and has reached cutout. A few TPB were found while scouting may need to be sprayed before we get to 250 HU past cutout.
Poinsett	Judd Hill (Crop Intensification)	DP 2038 B3XF 5-13	19,678	71/ 11/ 9.2	-/-/-	Last field visit on 7-28. 19-20 node cotton, 36" tall. Field received 1.25" of rain the morning of visit, started raining more while scouting. A few tarnished plant bugs nymphs were found while scouting but not to threshold yet. This field has finally come into flowering, date of First flower was 7-23.
Poinsett	Judd Hill (Cover Crop)	DP 2038 B3XF 5-13	29,231	71/ 10/ 8.6	-/-/-	Last field visit on 7-28. 19-20 node cotton, 36" tall. Field received 1.25" of rain the morning of visit, started raining more while scouting. No pests found while scouting. This field has finally come into flowering, date of First flower was 7-23.

Poinsett	Judd Hill (Conventional till, No cover)	DP 2038 B3XF 5-13	30,759	71/ 10/ 8.1	-/-/	Last field visit on 7-28. 19-20 node cotton, 36" tall. Field received 1.25" of rain the morning of visit, started raining more while scouting. No pests found while scouting. This field has finally come into flowering, date of First flower was 7-23.
Poinsett	Lepanto	DP 2127 B3XF 5-12	30,950	68/ 10/ 7.9	-/-/	Last field visit on 7-28. 18-19 node cotton, 38" tall. Field is clean of any pests. Field received 1.4" of rain on morning of visit with more rain coming. First flower was on 7-18, current NAWF is 9.4
Lee	Lee (cover)	PHY 360 W3FE 5-4	24,072	58/ 10/ 3.5	7-18/ 75/ 208	Last field visit on 7-27. 19 node cotton, 38-40" tall. A few Tarnished Plant Bugs were found while scouting but they were still not to threshold. Spider mites have spread to a few more spots in the field but still not to 50% plants infested. This field looks very good, will continue to monitor insect pests as we reach our insecticide termination points.
Lee	Lee (no cover)	PHY 360 W3FE 5-4	24,263	58/ 10/ 3.5	7-19/ 76/ 186	Last field visit on 7-27. 18-19 node cotton, 36-38" tall. A few Tarnished Plant Bugs were found while scouting but they were still not to threshold. Spider mites have spread to a few more spots in the field but still not to 50% plants infested. This field looks very good, will continue to monitor insect pests as we reach our insecticide termination points.
Demo	BCI/US Trust Protocol (cover)	DP 1646 B2XF 5-19	11,463	64/ 8/ 6.4	-/-/	Last field visit on 7-28. 16-17 node cotton, 20-22" tall. Rain started at the end of the scouting visit. After the rain last week this cotton has lost any visual effects of drought stress aside from being stunted. This field has begun to run more parallel with the target development curve after that rain. No insect pests found while scouting however the deer have started to feed on the plants again. Date of first flower was 7-24. This field has had a hard year, even though the field has just gotten into flowering we are already very close to cutout.
Demo	BCI/US Trust Protocol (no cover)	DP 1646 B2XF 5-19	28,658	64/ 8/ 6.8	-/-/	Last field visit on 7-28. 17 node cotton, 22-24" tall. Rain started at the end of the scouting visit. After the rain last week this cotton has lost any visual effects of drought stress aside from being stunted. This field has begun to run more parallel with the target development curve after that rain. No insect pests found while scouting however the deer have started to feed on the plants again. Date of first flower was

						7-24. This field has had a hard year, even though the field has just gotten into flowering we are already very close to cutout.
Demo	ASHA (cover)	PHY 411 W3FE 5-13	9,648	59/ 9/ 5.2	-/-/-	Last field visit on 7-28. 18-19 node cotton, 32" tall. TPB were found to be on the low end of threshold, Producer was going to make decision if it would be sprayed. Also finding aphids in spots through field. No rain had been received yet this week. Field is on track for a timely cutout date.