

# Arkansas ROW CROP VERIFICATION



## 2022 Arkansas Cotton Research Verification Program Weekly Update – August 5, 2022

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

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### General Information

This week the cotton got a good break from the dryness of this summer and it has really started to take back off. This rain is allowing the plants to pull up more fertilizer that's just been sitting in the soil since we put it out. We are getting some fast growth right now and are needing to pix just about everything. We should try our best to keep head of the rank growth with pix so we can slow these plants down and finish cutout in a timely manner. As always it is important to keep up with insect scouting and post cutout, our heat units for insecticide spray termination. 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/ 2.2	7-27/ 76/ 161	Last field visit on 8-3. 19 node cotton, 48-50" tall. Tarnished Plant bugs have really started coming into this field from the adjacent corn field. Counts are not quite to threshold on the shake sheet however adults are everywhere in the tops of the plants. Given this we are letting the farmer decide what to do after this rain to clean up. Field received 4" of rain since last visit. Seed counts were done in this field on 5 lock bolls with an average count of 33 seeds/boll. This field is seeing some shed on outside fruiting positions however it has kept a good boll load so this was not unexpected.
Poinsett	Judd Hill (Crop Intensification)	DP 2038 B3XF 5-13	19,678	71/ 11/ 8.6	-/-/-	Last field visit on 8-4. 20-21 node cotton, 38-40" tall. Field received 3.1" of rain since last week and was raining while scouting this week. A few tarnished plant bugs nymphs were found while scouting but not to threshold yet. Pix was sprayed one day last week and another pix application has been recommended for this field, will need it to dry out

						again before we can get into it. This field has started to run flat on the target development curve and needs to get slowed down as we get closer to calendar cutout.
Poinsett	Judd Hill (Cover Crop)	DP 2038 B3XF 5-13	29,231	71/ 10/ 8.2	-/-/-	Last field visit on 8-4. 20-21 node cotton, 38-40" tall. Field received 3.1" of rain since last week and was raining while scouting this week. A few tarnished plant bugs nymphs were found while scouting but not to threshold yet. A pix application has been recommended for this field, will need it to dry out again before we can get into it. Hopefully this shot will slow it down
Poinsett	Judd Hill (Conventional till, No cover)	DP 2038 B3XF 5-13	30,759	71/ 10/ 8.2	-/-/-	Last field visit on 8-4. 20-21 node cotton, 40-42" tall. Field received 3.1" of rain since last week and was raining while scouting this week. A few tarnished plant bugs nymphs were found while scouting but not to threshold yet. A pix application has been recommended for this field, will need it to dry out again before we can get into it. Seed counts were done in this field on 5 lock bolls, the average seed count is 31.8.
Poinsett	Lepanto	DP 2127 B3XF 5-12	30,950	68/ 10/ 7.8	-/-/-	Last field visit on 8-4. 20-21 node cotton, 40" tall. Field is clean of any pests. Field received 3.5" of rain and it was raining during this week's visit. This field has been recommended a shot of pix to slow it down some more. This field also experienced a shed from the cloudy days over the weekend. Fruit loss looks to be from outer fruiting positions on the plant.
Lee	Lee (cover)	PHY 360 W3FE 5-4	24,072	58/ 10/ 3.4	7-18/ 75/ 356	Last field visit on 8-3. 20 node cotton, 38-40" tall. The spider mites took a big hit from this weather and have cleared up in the field, will continue to monitor but the weather may have saved us. This field experienced a sizeable fruit shed from this week however looking at plants it looks to be mostly the outside fruiting positions and a few lost at the top. These plants have a very large boll load on them so this kind stress is not a bad thing.
Lee	Lee (no cover)	PHY 360 W3FE 5-4	24,263	58/ 10/ 3.6	7-19/ 76/ 334	Last field visit on 8-3. 20 node cotton, 38-40" tall. The spider mites took a big hit from this weather and have cleared up in the field, will continue to monitor but the weather may have saved us. This field experienced a sizeable fruit shed from this week however looking at plants it looks to be mostly the outside fruiting positions and a few lost at the top. These

						plants have a very large boll load on them so this kind stress is not a bad thing. Seed counts were done in this field on 5 lock bolls with an average seed count of 31.2 seeds/boll.
Demo	BCI/US Trust Protocol (cover)	DP 1646 B2XF 5-19	11,463	64/8/5.8	-/-/	Last field visit on 8-4. 19-20 node cotton, 24" tall. Field received 2.4" of rain since last week. 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 however it is still trying to make a crop after these rains. It will most likely need a shot of pix next week but right now we are still putting fruit on the plant.
Demo	BCI/US Trust Protocol (no cover)	DP 1646 B2XF 5-19	28,658	64/8/6.0	-/-/	Last field visit on 8-4. 19-20 node cotton, 24" tall. Field received 2.4" of rain since last week. 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 however it is still trying to make a crop after these rains. It will most likely need a shot of pix next week but right now we are still putting fruit on the plant.
Demo	ASHA (cover)	PHY 411 W3FE 5-13	9,648	59/9/6.0	-/-/	Last field visit on 8-4. 21-22 node cotton, 36" tall. Field received 1.3" of rain since last week. TPB are still on the low end of threshold however we have a lot of beneficial insects in this field, Producer decided not to treat for the time being. Aphids are still in patches through the field however are not causing any bad damage. This field has started to run flat to the target development curve and will need a shot of pix soon to slow it down.