

# Arkansas ROW CROP VERIFICATION



## 2022 Arkansas Cotton Research Verification Program Weekly Update – September 30, 2022

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

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### General Information

Defoliation and harvest are in full swing in the state as we keep moving through this season. We harvested our 2 earliest planted plots last week in Lee County and are waiting on more to pick. These cooler temperatures are slowing if not halting any more maturation of bolls. We need to be getting our defoliations applications out soon before it gets even colder and we lose even more plant activity making it an even harder task. Some fields may not make it to our 850 DD60 target however, we need to look and judge based on our target harvest completion date of Nov. 1 to make sure we are not going to be waiting on our pickers and running later into the 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://growdegrecalc.uada.edu/>

County	Field Name	Variety/ Planting date	Plants/A	Cutout Date / DAP to Cutout/ DD60s after cutout	Field Notes
Desha/Drew	Winchester	DP 2211 B3TXF 5-12	31,800	7-27/ 76/ 1241	Last field visit on 9-29 by county agent. 25 node cotton, 50-52" tall. The second harvest aid application was made on 9-17. Cotton is at about 90% open
Poinsett	Judd Hill (Crop Intensification)	DP 2038 B3XF 5-13	19,678	8-15*/ 94/ 634	Last field visit on 9-28. 26 node cotton, 48-50" tall. No rain since last visit. Field is at about 40% open boll. Slicing bolls, we only have 1-2 upper position bolls left to finish maturing out. The producer is planning on putting out the first shot on this field during the first part of next week.
Poinsett	Judd Hill (Cover Crop)	DP 2038 B3XF 5-13	29,231	8-15*/ 94/ 634	Last field visit on 9-28. 26 node cotton, 48-50" tall. No rain since last visit. Field is at about 30% open boll. Slicing bolls, we only have 1-2 upper position bolls left to finish maturing

					out. The producer is planning on putting out the first shot on this field during the first part of next week.
Poinsett	Judd Hill (Conventional till, No cover)	DP 2038 B3XF 5-13	30,759	8-15*/ 94/ 634	Last field visit on 9-28. 26 node cotton, 48-50" tall. No rain since last visit. Field is at about 45% open boll. Slicing bolls, we only have 1-2 upper position bolls left to finish maturing out. The producer is planning on putting out the first shot on this field during the first part of next week.
Poinsett	Lepanto	DP 2127 B3XF 5-12	30,950	8-13/ 91/ 660	Last field visit on 9-28. 26 node cotton, 52" tall. No rain Since last visit. This field got its first shot of defoliant early this week and should have its second shot early next week.
Lee	Lee (cover)	PHY 360 W3FE 5-4	24,072	-/-/-	Field was harvested on 9-22. We harvested 4 round modules from this field and will be following them through the gin for an official yield and quality.
Lee	Lee (no cover)	PHY 360 W3FE 5-4	24,263	-/-/-	Field was harvested on 9-22. We harvested 4 round modules from this field and will be following them through the gin for an official yield and quality.
Demo	BCI/US Trust Protocol (cover)	DP 1646 B2XF 5-19	11,463	8-15*/ 88/ 728	Last field visit on 9-28. 32-33 node cotton, 56" tall. Field received .8" of rain since last visit. This field has taken back off with node production since the herbicide injury, plant is producing squares at far outer positions as well. Still will not have enough time to turn any of these new fruiting points into harvestable bolls.
Demo	BCI/US Trust Protocol (no cover)	DP 1646 B2XF 5-19	28,658	8-15*/ 88/ 728	Last field visit on 9-28. 32-33 node cotton, 56" tall. Field received .8" of rain since last visit. This field has taken back off with node production since the herbicide injury, plant is producing squares at far outer positions as well. Still will not have enough time to turn any of these new fruiting points into harvestable bolls.
Demo	ASHA (cover)	PHY 411 W3FE 5-13	9,648	8-13/ 92/ 786	Last field visit on 9-28. 25 node cotton, 46" tall. No rain since last visit. Field is at about 40% open. Cutting bolls, we still have 1-2 nodes left to mature and darken the seed coat, this field is not far from defoliation.