

Arkansas ROW CROP VERIFICATION



2023 Arkansas Cotton Research Verification Program Weekly Update – September 15, 2023

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

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General Information

Defoliation applications are starting to happen across the state on our earliest fields. All but one field in the verification program is about to be sprayed or has already been sprayed. On our later fields, we need to keep an eye on boll maturity and night time temperatures. As we get some cooler nights in the low 50s to upper 40s, plant activity will shut down. If that happens it will be best to go head and defoliate to keep us from picking cotton in November. A lot of the cotton across the state opened up slightly earlier than what we've seen the past few years. With this happening timely harvest aid application is a must to avoid shatter loss or discounts to fiber quality. The same as years in the past we are shooting to be done picking cotton by Nov. 1st. As we get closer to defoliation and we start wondering when that 850 HU mark has hit, 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://growdegrecalc.uada.edu/>

County	Field Name	Variety	Plants /A	Cutout Date/ DAP to Cutout/ DD60s after Cutout @ visit	Field Notes
Desha/Drew	Winchester	NG 3195 B3XF	35,153	7-23/ 78/ 1282	Last field visit on 9-12. Cotton is 19 node, 36-18" tall. 2.17" of rain since the last visit. This field is ready for its first shot of defoliant and will be sprayed very soon.
Poinsett	Judd Hill (Crop Intensification)	DP 2127 B3XF	19,105	7-29/ 85/ 843	Last field visit on 9-14. Cotton is 19-20 node, 36-38" tall. .2" of rain since last visit. Currently about 50% open. The producer is planning to defoliate this field on Saturday (9-16).
Poinsett	Judd Hill (Cover Crop)	DP 2127 B3XF	39,356	7-30/ 86/ 818	Last field visit on 9-14. Cotton is 19-20 node, 36-38" tall. . 2" of rain since last visit. Currently about 50% open. The producer is planning to defoliate this field on Saturday (9-16).
Poinsett	Judd Hill (Conventional till, No cover)	DP 2127 B3XF	39,738	7-30/ 86/ 818	Last field visit on 9-14. Cotton is 19-20 node, 36-38" tall. . 2" of rain since last visit. Currently about 50% open. The producer is planning to defoliate this field on Saturday (9-16).

Lee	Lee (cover)	PHY 360 W3FE	40,502	7-24/ 72/ 1096	Last field visit on 9-12. 18-19 node cotton, 38" tall. 1.35" of rain since the last visit. This field received its shot of defoliant on 9-8 and its second shot yesterday (9-14) it won't be long and we'll be picking this field.
Lee	Lee (no cover)	PHY 360 W3FE	37,153	7-26/ 74/ 1054	Last field visit on 9-12. 18-19 node cotton, 38" tall. 1.35" of rain since the last visit. This field received its shot of defoliant on 9-8 and its second shot yesterday (9-14) it won't be long and we'll be picking this field.
Jackson	Kent	PHY 411 W3FE	38,974	8-15/ 94/ 493	Last field visit on 9-14. 22 node cotton, 38-48" tall. .1.96" of rain since last visit. no pests in field to worry about as we get close to that 500 heat unit mark. This field still needs about 4-5 nodes to mature out, it will be pushing it to get those done before it gets cold.