



2022 Arkansas Cotton Research Verification Program Weekly Update – August 19, 2022

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

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General Information

More scattered rain and cooler temps this week as we keep moving through the season. This week we hit our calendar cutout dates and are really shifting gears as we try to finish out this crop. Boll rot has started to show up in a couple fields however we still have a very large boll load so hopefully we won't see any drop in yield from it. Looking at this coming week's forecast, we may not accumulate DD60s as fast as we are accustomed to. With other crops starting to reach maturity it is possible we could see some late season pests move in depending on how fast we hit our insecticide termination points. As always it is important to keep up with DD60s past cutout to figure insecticide and irrigation termination as well as helping plan the best time to make our harvest aid application.

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 | Cutout Date / DAP to Cutout/ DD60s after cutout | Field Notes |
|------------|--|---------------------------|----------|--|---|
| Desha/Drew | Winchester | DP 2211 B3TXF 5-12 | 31,800 | 7-27/ 76/ 494 | Last field visit on 8-3. 19 node cotton, 48-50" tall. No field visit this week (8-17). |
| Poinsett | Judd Hill (Crop Intensification) | DP 2038 B3XF 5-13 | 19,678 | 8-15*/ 94/ 39 | Last field visit on 8-18. 23 node cotton, 44-46" tall. Field received 1.25" of rain since last week. Field was sprayed on 8-15 for TPB plus a shot of pix. No pest insects found on this visit. This field is considered cut out by calendar date. |
| Poinsett | Judd Hill (Cover Crop) | DP 2038 B3XF 5-13 | 29,231 | 8-15*/ 94/ 39 | Last field visit on 8-18. 22-23 node cotton, 42-44" tall. Field received 1.25" of rain since last week. Field was sprayed on 8-15 for TPB plus a shot of pix. No pest insects found on this visit. This field is considered cut out by calendar date. |

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| Poinsett | Judd Hill (Conventional till, No cover) | DP 2038 B3XF 5-13 | 30,759 | 8-15*/ 94/ 39 | Last field visit on 8-18. 23 node cotton, 44-46" tall. Field received 1.25" of rain since last week. Field was sprayed on 8-15 for TPB plus a shot of pix. No pest insects found on this visit. This field is considered cut out by calendar date. |
| Poinsett | Lepanto | DP 2127 B3XF 5-12 | 30,950 | 8-13/ 91/ 65 | Last field visit on 8-18. 22-23 node cotton, 44" tall. A few TPB were found while scouting however not to threshold. Field received .6" of rain Since last week's visit. A few rotten bolls were found while scouting but they are few and far between right now. This field reached cutout just before our calendar date. |
| Lee | Lee (cover) | PHY 360 W3FE 5-4 | 24,072 | 7-18/ 75/ 664 | Last field visit on 8-18. 21-22 node cotton, 42-44" tall. Field received .71" of rain this week. This field is really starting to show that it is in the home stretch, leaf color is changing and bolls are beginning to open. Roughly 5% open boll. There is some boll rot starting to show however right now it does not look bad. It will not be long and we will be looking at defoliation. |
| Lee | Lee (no cover) | PHY 360 W3FE 5-4 | 24,263 | 7-19/ 76/ 641 | Last field visit on 8-18. 21-22 node cotton, 42-44" tall. Field received .71" of rain this week. This field is really starting to show that it is in the home stretch, leaf color is changing and bolls are beginning to open. Roughly 2% open boll. There is some boll rot starting to show however right now it does not look bad. It will not be long and we will be looking at defoliation. |
| Demo | BCI/US Trust Protocol (cover) | DP 1646 B2XF 5-19 | 11,463 | 8-15*/ 88/ 68 | Last field visit on 8-18. 22 node cotton, 32" tall. Field received .6" of rain since last week. This field still looks very rough, most all of the fruit has been shed. Will continue to monitor as we go on with the rest of the season. |
| Demo | BCI/US Trust Protocol (no cover) | DP 1646 B2XF 5-19 | 28,658 | 8-15*/ 88/ 68 | Last field visit on 8-18. 22 node cotton, 34" tall. Field received .6" of rain since last week. This field still looks very rough, most all of the fruit has been shed. Will continue to monitor as we go on with the rest of the season. |
| Demo | ASHA (cover) | PHY 411 W3FE 5-13 | 9,648 | 8-13/ 92/ 107 | Last field visit on 8-18. 23 node cotton, 42" tall. Field received .75" of rain since last week. The farmer has sprayed to clean up the middles with a hooded sprayer. No pest insects found while scouting. |