



2022 Arkansas Cotton Research Verification Program Weekly Update – July 1, 2022

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

This week we got a break in the high temperatures and some growers caught some rain on Sunday however showers were scattered. Most of our cotton has either already been watered or is about to be with some getting ready to water for the second time. Moving forward we need to make sure we are staying ahead with our watering to prevent plant stress. By the time our first white flower comes, our target to reach is 9-10 NAWF. This will keep us in line to have 20 days of flowering and keep us from an early cut out. It is also important to keep an eye on our insect pests so we can stay in front of them. After all this heat and dry weather, we don't want any more stress on the plants than what they currently have.

County	Field Name	Planting Date/ DAP @ Visit	Variety	Plants /A	Fruiting nodes/ total retention%	Field Notes
Desha/Drew	Winchester	5-12/ 48	DP 2211 B3TXF	31,800	4.9/ 98%	Last field visit on 6-29. 10-11 node cotton, 18" tall. Field was sprayed with diamond and transform on Monday, no pests found during this week's scouting. Soil moisture is dry in the top 1", fair to 4" and good going down, field will need to be watered soon. Field received .5" of rain since last visit
Poinsett	Judd Hill (Crop Intensification)	5-13/ 48	DP 2038 B3XF	19,678	3.9/ 70.6%	Last field visit on 6-30. 10-11 node cotton, 14" tall. This field has sustained a substantial herbicide injury and has caused the plants a lot of added stress. Square retention is low however no pests were found in the field. Field was irrigated on 6-23 and will be irrigated again soon. This field is tracking fairly parallel to the target development curve.
Poinsett	Judd Hill (Cover Crop)	5-13/ 48	DP 2038 B3XF	29,231	4.2/ 54.8%	Last field visit on 6-30. 10-11 node cotton, 14" tall. This field has sustained a substantial herbicide injury and has caused the plants a lot of added stress. Square retention is low however no pests were found in the field. Half of the field was irrigated on 6-23 and the other half on 6-24 and will be irrigated again soon. This field is tracking fairly parallel to the target development curve.

Poinsett	Judd Hill (Conventional till, No cover)	5-13/ 48	DP 2038 B3XF	30,759	4.7/ 68.1%	Last field visit on 6-30. 10-11 node cotton, 14" tall. This field has sustained a substantial herbicide injury and has caused the plants a lot of added stress. Square retention is low however no pests were found in the field. Field was irrigated on 6-25 and will be irrigated again soon. This field is tracking fairly parallel to the target development curve.
Poinsett	Lepanto	5-12/ 49	DP 2127 B3XF	30,950	2.8/ 96.4%	Last field visit on 6-30. 10 node cotton, 12" tall. No pests found during insect scouting. Field received 1.5" of rain since last visit, soil moisture is good. Field has been showing signs of stress and is running flatter than the target development curve.
Lee	Lee (cover)	5-4/ 56	PHY 360 W3FE	24,072	7.9/ 97.5%	Last field visit on 6-29. 11-12 node cotton, 18" tall. Field was irrigated on 6-25. Soil moisture is dry in the top 1", fair to 2" and good going down. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. This field is tracking slightly more vertical than the target development curve.
Lee	Lee (no cover)	5-4/ 56	PHY 360 W3FE	24,263	7.1/ 95.8%	Last field visit on 6-29. 11-12 node cotton, 16" tall. Field was irrigated on 6-25. Soil moisture is dry in the top 1", fair to 3" and good going down. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. This field is tracking fairly parallel to the target development curve.
Demo	BCI/US Trust Protocol (cover)	5-19/ 42	DP 1646 B2XF	11,463	2.8/ 96.4%	Last field visit on 6-30. 9 node cotton, 11" tall. Deer are still the biggest pest issue in this field. No pest insects were found. Field was sprayed for weeds on 6-29. This field is getting very dry and will need rain soon as it is a dryland field. This field is tracking flatter than the target development curve most likely from drought stress.
Demo	BCI/US Trust Protocol (no cover)	5-19/ 42	DP 1646 B2XF	28,658	2.9/ 100%	Last field visit on 6-30. 9 node cotton, 10" tall. Deer are still the biggest pest issue in this field. No pest insects were found. Field was sprayed for weeds on 6-29. This field is getting very dry and will need rain soon as it is a dryland field. This field is tracking flatter than the target development curve most likely from drought stress.
Demo	ASHA (cover)	5-13/ 48	PHY 411 W3FE	9,648	3.8/ 97.4%	Last field visit on 6-30. 10 node cotton, 11" tall. No pest insects found while scouting. This field was irrigated on 6-29. Soil moisture is good. This field is showing slight stress on the target development curve