



2022 Arkansas Cotton Research Verification Program

Weekly Update – June 24, 2022

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

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General Information

This week we have been drying out quickly, very high temps are sucking the moisture out of the ground with only slight chances of rain in the forecast. A lot of farmers across the state have been laying poly pipe to get ready for this and some are starting to turn on the pumps. It is important to keep track of plant growth and see how much stress the plant is enduring. If a field is not putting on nodes as it should due to lack of water, yield will take a hit. We want to make sure that we are adding nodes in a timely manner to put us around 9-10 nodes above our first flower to keep from having an early cut out. Square retention is also important to keep an eye on. If insect pests or other stress factors hit we could shed fruit quickly.

County	Field Name	Planting Date	Variety	Seeding Rate/A	Plants /A	Field Notes
Desha/Drew	Winchester	5-12	DP 2211 B3TXF	35,000	31,800	Last field visit on 6-15. 7 node cotton, 10" tall. Cotton looks very healthy, no pest insects found in field. Soil moisture is good, field received 1.8" of rain last week.
Poinsett	Judd Hill (Crop Intensification)	5-13	DP 2038 B3XF	25,000	19,678	Last field visit on 6-23. 7-8 node, 8-10" tall. Cotton is a bit beat up from herbicide injury, no insect pests found in field. Soil moisture is dry in the top 2", fair down to 5" and good going down. A hardpan has formed around 4-5" deep. This field will be watered soon. Square retention is currently at 100%
Poinsett	Judd Hill (Cover Crop)	5-13	DP 2038 B3XF	36,000	29,231	Last field visit on 6-23. 7-8 node, 8-10" tall. Cotton is a bit beat up from herbicide injury, no insect pests found in field. Soil moisture is dry in the top 2", fair down to 5" and good going down. A hardpan has formed around 4-5" deep. This field will be watered soon. Square retention is currently at 100%
Poinsett	Judd Hill (Conventional till, No cover)	5-13	DP 2038 B3XF	36,000	30,759	Last field visit on 6-23. 7-8 node, 8" tall. Cotton is a bit beat up from herbicide injury, no insect pests found in field. Soil moisture is dry in the top 3", fair down to 5" and good going farther down. A hardpan has formed around 4-5" deep. This field will be watered soon. Square retention is currently at 100%

Poinsett	Lepanto	5-12	DP 2127 B3XF	42,000	30,950	Last field visit on 6-23. 8-9 node, 10" tall. Cotton looks healthy, no insect pests found in field. Soil moisture is dry in the top 2", fair down to 3" and good going farther down. A hardpan has formed around 4" deep. This field will need water if we miss the rain this weekend. Square retention is currently at 100%
Lee	Lee (cover)	5-4	PHY 360 W3FE	42,000	24,072	Last field visit on 6-23. 10-11 node cotton, 16" tall. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. Soil moisture is dry in the top 3", fair moisture to 4" and good going farther down. A hard pan has formed at 4". Cotton will need to be watered soon. Square retention is currently at 98%.
Lee	Lee (no cover)	5-4	PHY 360 W3FE	42,000	24,263	Last field visit on 6-23. 10-11 node cotton, 14" tall. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. Soil moisture is dry in the top 3", fair moisture to 5" and good moisture going down. A hard pan has formed at 4". This field will need to be watered soon. Square retention is currently at 97%.
Demo	BCI/US Trust Protocol (cover)	5-19	DP 1646 B2XF	35,000	11,463	Last field visit on 6-23. 7-8 node cotton, 8-9" tall. Deer are still the biggest issue in this field. Soil moisture is dry in the top 2", fair moisture to 4" and good moisture going down. A hard pan has formed at 5". Square retention is currently at 100%.
Demo	BCI/US Trust Protocol (no cover)	5-19	DP 1646 B2XF	50,000	28,658	Last field visit on 6-23. 7-8 node cotton, 8-9" tall. Deer are still the biggest issue in this field. Soil moisture is dry in the top 3", fair moisture to 5" and good moisture going down. A hard pan has formed at 5". Square retention is currently at 100%.
Demo	ASHA (cover)	5-13	PHY 411 W3FE	20,000	9,648	Last field visit on 6-23. 7-8 node cotton, 10-11" tall. Cotton looks healthy. No pest insects found. Soil moisture is dry in the top 2", fair moisture to 4" and good moisture going down. A hard pan has formed at 3". Square retention is currently at 100%.