

Arkansas
ROW CROP VERIFICATION



2022 Arkansas Cotton Research Verification Program

Weekly Update – June 17, 2022

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

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General Information

From the rain and clouds of last week to excessive heat and high humidity this week, summer is now in full swing. This weather will be good for the cotton plant's growth as long as we can keep ample soil moisture. Some areas of the state are starting to get poly pipe unrolled and ready to water if no rain makes it to us this week. We are starting to see some adult tarnished plant bugs show up in some of these fields however they are very low in numbers and no damage is present yet. We will need to keep on the lookout for them as we progress through the season, most of our cotton has started squaring or will be soon. Having found some stray TPB out in the field, we need to make sure we stay out in front of them when we do reach threshold counts.

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 6-16. 6-7 node, 5-6" tall. Cotton looks healthy with no insect pests found in field. Slight herbicide burn from application last week. Fair soil moisture in the top 2" and good moisture going deeper. Field received .05" of rain since last visit.
Poinsett	Judd Hill (Cover Crop)	5-13	DP 2038 B3XF	36,000	29,231	Last field visit on 6-16. 6-7 node, 5-6" tall. Cotton looks healthy with no insect pests found in field. Slight herbicide burn from application last week. Fair soil moisture in the top 2" and good moisture going deeper. Field received .05" of rain since last visit.
Poinsett	Judd Hill (Conventional till, No cover)	5-13	DP 2038 B3XF	36,000	30,759	Last field visit on 6-16. 6 node, 5" tall. Cotton looks healthy with no insect pests found in field. Slight herbicide burn from application last week. Soil moisture is dry in the top 2", Fair moisture to 4" and good moisture going deeper. Field received .05" of rain since last visit.
Poinsett	Lepanto	5-12	DP 2127 B3XF	42,000	30,950	Last field visit on 6-13. 4 node cotton, 5" tall. Older leaves still look rough from wind and sand blasting, few thrips found in field however not to threshold. Soil moisture is good, field received .05" of rain since last visit.

Lee	Lee (cover)	5-4	PHY 360 W3FE	42,000	24,072	Last field visit on 6-15. 8-9 node cotton, 10-11" tall. Cotton is squaring on nodes 5-6. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. Beneficial insects are also on the rise with insidious flower bugs, big eyed bugs and rove beetles on the rise. Soil moisture was fair in top 1" and good going farther down, 1" of rain since last visit.
Lee	Lee (no cover)	5-4	PHY 360 W3FE	42,000	24,263	Last field visit on 6-15. 8-9 node cotton, 9-10" tall. Cotton is squaring on nodes 5-6. A couple adult plant bugs were found during insect scouting however nowhere close to threshold. Beneficial insects are also on the rise with insidious flower bugs, big eyed bugs and rove beetles on the rise. Soil moisture was fair in top 2" and good going farther down, 1" of rain since last visit.
Demo	BCI/US Trust Protocol (cover)	5-19	DP 1646 B2XF	35,000	11,463	Last field visit on 6-16. 3-4 node cotton, 4-5" tall. Field was sprayed for thrips on Friday (6-10) still finding a few thrips through the field however new terminals look healthy and undamaged, the deer around this field have been eating the young plants and we now have some skips in this field. Field fair soil moisture in the top 2" and good moisture going deeper.
Demo	BCI/US Trust Protocol (no cover)	5-19	DP 1646 B2XF	50,000	28,658	Last field visit on 6-16. 4 node cotton, 4-5" tall. Field was sprayed for thrips on Friday (6-10) still finding a few thrips through the field however new terminals look healthy and undamaged, the deer around this field have been eating the young plants and we now have some skips in this field. Soil moisture is dry in the top 1", fair down to 3" and good going farther down
Demo	ASHA (cover)	5-13	PHY 411 W3FE	20,000	9,648	Last field visit on 6-16. 6-7 node cotton, 10" tall. A few adult plant bugs were found but no damage present yet. Beneficial insects are growing in numbers, mostly finding lady beetles, damsel bugs, lacewings and spiders at this time. Soil moisture is good.