

Arkansas ROW CROP VERIFICATION



2022 Arkansas Cotton Research Verification Program Weekly Update – July 8, 2022

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

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General Information

More hot and dry days this week with little relief in sight. We are starting to see insect pests moving into some of these fields, as the year goes on we need to keep up with our scouting to make sure we are treating the right pests at the right time. We also need to make sure we are being timely with our irrigations to keep plant stress down. Some of our later planted cotton is having a hard time building up the momentum to be at our target of 9-10 NAWF at first flower. When tracking the plant, we expect our first flower to be around 60 DAP, new nodes are added every 2.5-3 days unless the plant is under a lot of stress. We need to make sure we are staying in front of the plant to keep adding nodes and retaining fruit as best we can going on with this season.

County	Field Name	Planting Date/DAP @ Visit	Variety	Plants/A	Fruiting nodes/ total retention%	Field Notes
Desha/Drew	Winchester	5-12/ 54	DP 2211 B3TXF	31,800	8.4/ 95.2%	Last field visit on 7-6. 13 node cotton, 24" tall. Field was watered on 7-4. No pests found while scouting. This field is on track to be around 10 NAWF at first flower.
Poinsett	Judd Hill (Crop Intensification)	5-13/ 54	DP 2038 B3XF	19,678	6.8/ 86.8%	Last field visit on 7-7. 13-14 node cotton, 20" tall. This field is growing out of its herbicide injury, it may have set us back a few days but should grow out just fine. Field was irrigated on 7-6, field currently has good soil moisture. No pests found during insect scouting. This field is going to be cutting it close to meet 9 NAWF at first flower.
Poinsett	Judd Hill (Cover Crop)	5-13/ 54	DP 2038 B3XF	29,231	5.9/ 74.6%	Last field visit on 7-7. 13-14 node cotton, 20" tall. This field is growing out of its herbicide injury, it may have set us back a few days but should grow out just fine. Field was irrigated on 7-5, field currently has good soil moisture. Field was sprayed on 7-1 for TPB and Spider mites. No pests found during insect scouting. This field may not hit our target of 9-10 NAWF at first flower and will need to be closely managed.

Poinsett	Judd Hill (Conventional till, No cover)	5-13/ 54	DP 2038 B3XF	30,759	6.6/ 87.9%	Last field visit on 7-7. 13-14 node cotton, 20" tall. This field is growing out of its herbicide injury, it may have set us back a few days but should grow out just fine. Field was irrigated on 7-6, field currently has good soil moisture. Field was sprayed on 7-1 for TPB and Spider mites. No pests found during insect scouting. This field is going to be cutting it close to meet 9 NAWF at first flower.
Poinsett	Lepanto	5-12/ 55	DP 2127 B3XF	30,950	6.4/ 93.7%	Last field visit on 7-7. 14 node cotton, 18" tall. No pests found during insect scouting. The producers had just finished laying poly at the time of this field visit and the water will be turned on soon. This field may not reach our target of 9 NAWF at first flower and will need to be managed closely.
Lee	Lee (cover)	5-4/ 63	PHY 360 W3FE	24,072	10.5/ 97.2%	Last field visit on 7-6. 16 node cotton, 30" tall. First flower in this field was on 7-1, current NAWF is 7.7. Few TPB found while scouting but not to threshold yet. Field was watered over the weekend but will likely need it again soon. This field is following the target development curve nicely.
Lee	Lee (no cover)	5-4/ 63	PHY 360 W3FE	24,263	10.8/ 96.6%	Last field visit on 7-6. 16 node cotton, 30" tall. First flower in this field was on 7-1, current NAWF is 8. Few TPB found while scouting but not to threshold yet. Field was watered over the weekend but will likely need it again soon This field is following the target development curve nicely.
Demo	BCI/US Trust Protocol (cover)	5-19/ 49	DP 1646 B2XF	11,463	5.2/ 81.8%	Last field visit on 7-7. 10-11 node cotton, 14" tall. Scouting on 7-5 found TPB to be at the bottom end of threshold and the recommendation to spray was made, field was sprayed that evening. This dryland field is showing signs of drought stress and is wilting in the heat of the day. This field will be cutting it close and may not reach our target of 9 NAWF at first flower and will need to be managed closely.
Demo	BCI/US Trust Protocol (no cover)	5-19/ 49	DP 1646 B2XF	28,658	5.3/ 78.4%	Last field visit on 7-7. 10-11 node cotton, 14" tall. Scouting on 7-5 found TPB to be at the bottom end of threshold and the recommendation to spray was made, field was sprayed that evening. This dryland field is showing signs of drought stress and is wilting in the heat of the day. This field will be cutting it close and may not reach our target of 9 NAWF at first flower and will need to be managed closely.

Demo	ASHA (cover)	5-13/ 54	PHY 411 W3FE	9,648	7.4/ 93.2%	Last field visit on 7-7. 13-14 node cotton, 18-20" tall. Few TPB found while scouting but not to threshold, also finding aphids in spots through field. Soil moisture is dry in the top 1", fair down to 3" and good going down. This field should reach our target of 9-10 NAWF at first flower.
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