



2023 Arkansas Cotton Research Verification Program Weekly Update – June 9, 2023

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

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General Information

This year is off to a hot and dry start with many farmers praying for rain. Some have already started laying polypipe and a few have even turned the water on. As the cotton plant is starting to put on fruit, its water uptake is about to start going up. It is very important that we keep up with plant growth to make sure we are adding nodes in a timely fashion. The cotton plant should be adding a new node every 2.5 days in good conditions. Less than this and the plant is showing signs of stress. With some fields already at pinhead square we need to push these plants to be at 10 NAWF at first flower. This means keeping the plant from stressing as much as we can. Hopefully this weekend's rain will buy us some time on our fields we haven't gotten the poly out on yet. As always we need to keep up with our pest management as much as possible, only spraying when both threshold counts and damage are being seen.

County	Field Name	Planting Date	Variety	Seeding Rate/A	Plants /A	Field Notes
Desha/Drew	Winchester	5-11	NG 3195 B3XF	35,000	35,153	Last field visit on 6-6. 4-5 leaf cotton, 6" tall. .1" of rain since last visit. A couple spots of spider mites were found but nowhere near treatable levels, no other pests found. A few squares were found on node 5. Soil moisture is dry in the top 2" fair down to 4" and good going farther down.
Poinsett	Judd Hill (Crop Intensification)	5-5	DP 2127 B3XF	20,000	19,105	Last field visit on 6-8. 6-7 node cotton, 7-8" tall. No pests found while scouting. Soil moisture is dry in the top 3" of the soil profile, fair from 3-5" and good going down. If no rain is received over the weekend this field will need water early next week. Plants have started squaring on node 6.
Poinsett	Judd Hill (Cover Crop)	5-5	DP 2127 B3XF	40,000	39,356	Last field visit on 6-8. 6-7 node cotton, 7-8" tall. No pests found while scouting. This field was irrigated on 6-5. Soil moisture is good. Plants have started squaring on node 6.
Poinsett	Judd Hill (Conventional till, No cover)	5-5	DP 2127 B3XF	40,000	39,738	Last field visit on 6-8. 6-7 node cotton, 7-8" tall. No pests found while scouting. This field was irrigated on 6-6. Soil moisture is good. Plants have started squaring on node 6.
Lee	Lee (cover)	5-8	PHY 360 W3FE	42,000	40,502	Last field visit on 6-6. 5 leaf cotton, 6-7" tall, a few squares were found but not many. No pests found while scouting. Soil moisture is dry in the top 3" fair from 3-5" and good going farther down. If this field does not receive rain this weekend it will need to be watered soon.

Lee	Lee (no cover)	5-13	PHY 360 W3FE	42,000	37,153	Last field visit on 6-6. 4-5 leaf cotton, 5-6" tall. A few aphids were found while scouting, no other pests found. Soil moisture is dry in the top 4" fair from 3-5" and good going farther down. A hardpan is starting to form around 10". If this field does not receive rain this weekend it will need to be watered soon.
Jackson	Kent	5-13	PHY 411 W3FE	40,000	38,974	Last field visit on 6-8. 3 leaf cotton, 3-4" tall. No pests found while scouting. There is a slight herbicide burn from an application made earlier in the week. Soil moisture is dry in the top 3" fair from 3-6" and good going farther down. Rain was moving in at the end of this field visit.