



2021 Cotton Research Verification/ Sustainability Program
Amanda Free, Coordinator and Joe McAlee, Program Technician
Weekly Update
Update #11 – July 30, 2021

General	There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. 15 of the 16 CRVSP fields are now flowering. NAWF ranges from 6.60-9.60 across CRVSP field locations. Some fields within the programs are showing signs of stress according to the target development curve.						
County	Field Name (Tillage Practice/ Cover Crop)	Date Planted & Variety	Plant Population	# Squaring Nodes	% Square Shed	Date First Flower DAP- First flower & NAWF	General Information
Clay	Clay (No Cover)	5/14 NG 4936 B3XF	35,250	11.2	9.9	7/16 63 7.10	Last field visit was on 7/26, cotton is currently at an average of 16.1 nodes, and is approximately 27.5" tall. Plant bug numbers are really beginning to increase this week, another insecticide application will likely have to be applied soon. Field received .20" of rainfall since last field visit. Soil moisture is dry-fair, will need to be irrigated again soon if it does not rain. Field went from running fairly parallel to target development curve to coming in closer to the target development curve.
Clay	Clay (Cover)	5/14 NG 4936 B3XF	42,750	11.4	7.1	7/16 63 7.80	Last field visit was on 7/26, cotton is currently at an average of 16.4 nodes, and is approximately 28" tall. Plant bug numbers are really beginning to increase this week, another insecticide application will likely have to be applied soon. Field received .20" of rainfall since last field visit. Soil moisture is dry-fair, will need to be irrigated again soon if it does not rain. This past week the field has run fairly parallel to the target development curve.
Lee	Lee (No Cover)	5/15 PHY 390 W3FE	40,850	11.3	0.0	7/12 61 6.75	Last field visit was on 7/27, cotton is currently at an average of 15.3 nodes, and is approximately 32.5" tall. Field has very low insect (plant bug) pressure. Soil moisture was fair but will soon need to be irrigated again if adequate rainfall is not received in the next few days. Field is currently running parallel to the target development curve.
Lee	Lee (Cover)	5/1 PHY 360 W3FE	30,850	13.1	1.5	7/6 66 6.65	Last field visit was on 7/27, cotton is currently at an average of 17.1 nodes, and is approximately 32" tall. All that was seen during insect checks was snails and lady bugs. Soil moisture was fair but will soon need to be irrigated again if adequate rainfall is not received in the next few days. Field continues to show signs of stress, according to the target development curve, and NAWF is not dropping much.
Lonoke	Lonoke (No Cover)	5/22 DP 2038 B3XF	23,000	11.2	3.2	7/27 61 9.40	Last field visit was on 7/28, cotton is currently at an average of 19.2 nodes, and is approximately 32.5" tall. Plant bug pressure is really beginning to increase in this field, insecticide application will be made soon. Soil moisture was fair-good. Field is showing signs of stress and beginning to drop down back toward the target development curve this week

Lonoke	Lonoke (Cover)	5/22 DP 2038 B3XF	23,250	11.1	10.5	7/27 61 9.50	Last field visit was on 7/28, cotton is currently at an average of 19.1 nodes, and is approximately 34.3" tall. Plant bug pressure is really beginning to increase in this field, insecticide application will be made soon. Soil moisture was fair-good. Field is showing signs of stress and beginning to drop down back toward the target development curve.
Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20 DP 2038 B3XF	12,609	11	3.2	7/28 68 9.30	Last field visit was on 7/28. Cotton is 18-19 node, 28" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, big eyed bugs, lady beetles and spiders. Field received .3" of rain since last visit however soil moisture is drying quick due to hot weather. Field is to be irrigated on 7/29. Field is showing signs of stress as it has been running parallel to the right of the target development curve.
Poinsett	Poinsett Judd Hill (Cereal rye)	5/20 DP 2038 B3XF	27,320	10.3	7.9	-	Last field visit was on 7/28. Cotton is 18 node, 31" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, big eyed bugs, lady beetles and spiders. Field was irrigated on 7/27. Cotton is still not to 50% flowering but should be during the weekend. Field received .3" of rain since last visit. Field is showing signs of stress as it has been running parallel to the right of the target development curve.
Poinsett	Poinsett Judd Hill (No Cover)	5/20 DP 2038 B3XF	29,613	11.1	4.2	7/28 68 9.30	Last field visit was on 7/28. Cotton is 18 node, 33" tall. Field was sprayed on 7/27 for tarnished plant bugs as they flared up over the weekend. No pest insects found with very few beneficial insects found. Field was irrigated on 7/28. Field is showing signs of stress as it has been running parallel to the right of the target development curve.
Poinsett	Poinsett Lepanto (Cover)	5/21 Armor 9608 B3XF	29,150	9.7	4.8	7/28 68 8.40	Last field visit was on 7/29, cotton is currently at an average of 16.7 nodes, and is approximately 32" tall. Insecticide application was made last week which knocked out majority of insects, snails were all that was seen during checks. Field was irrigated yesterday. Field continues showing signs of stress and is dropping back down toward the target development curve.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	9.4	9.3	7/28 68 8.05	Last field visit was on 7/29, cotton is currently at an average of 16.4 nodes, and is approximately 32" tall. Insecticide application was made last week which knocked out majority of insects, snails and ladybugs was all that was seen during checks. Field was irrigated yesterday. Field continues showing signs of stress and is dropping back down toward the target development curve.
St. Francis	St. Francis (No Cover)	5/14 ST 5471 GLTP	36,700	11.2	10.2	7/19 66 8.30	Last field visit was on 7/27, cotton is currently at an average of 17.2 nodes, and is 34" tall. Very low insect (plant bug) pressure was seen in this field, along with a few spiders. Field had good moisture. Field continues showing signs of stress according to the target development curve.
St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	11.8	12.9	7/19 66 8.50	Last field visit was on 7/27, cotton is currently at an average of 17.8 nodes, and is approximately 36.5" tall. Very low insect (plant bug) pressure was seen in this field along with a few spiders. Field had good moisture. Field continues showing signs of stress according to the target development curve.
Demo	BCI/US Trust Protocol (Cover)	5/20 DP 1646 B2XF	15,666	11	7.2	7/28 68 9.60	Last field visit was on 7/28. Cotton is 18 node, 32" tall. Field was sprayed for plant bugs on 7/23. No pest insects found in field, very few beneficial insects were observed. Field received 1" of rain since last visit. Soil moisture is very wet. Field is showing signs of stress as it has been running parallel to the right of the target development curve.

Demo	BCI/US Trust Protocol (No Cover)	5/20 DP 1646 B2XF	37,254	9.9	21.4	7/26 66 8.60	Last field visit was on 7/28. Cotton is 17-18 node, 40" tall. Field was sprayed for plant bugs on 7/23. Low plant bug pressure, very few beneficial insects were observed. Field received 1" of rain since last visit. Soil moisture is very wet. Field is showing signs of stress as it has been running parallel to the right of the target development curve.
Demo	ASHA (Cover)	5/15 UA 222	16,525	9.6	11.6	7/20 65 6.60	Last field visit was on 7/28. Cotton is 18 node, 30" tall. Low plant bug pressure, aphids are throughout field but not causing any damage yet. Beneficial insects are very abundant in this field, very high numbers of lady beetles both larvae and adults, spiders, assassin beetles, big eyed bugs and syrphid flies. Soil moisture in the top 4" has become dry, fair moisture to 6" and good moisture past 6". Field is showing signs of slight stress, after a slight NAWF crash it has leveled off. Expect field to cut out early next week.