



2021 Cotton Research Verification/ Sustainability Program
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Weekly Update
Update #9 – July 16, 2021

General	There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. Several fields within program received rainfall, and in some locations enough to be able to avoid having to irrigate again so far. All fields are now squaring well, and two fields within the program are now flowering. 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 & NAWF	General Information
Clay	Clay (No Cover)	5/14 NG 4936 B3XF	35,250	9.1	13.8	-	Last field visit was on 7/12, cotton added on 4 nodes in 14 days, and is currently at an average 14.1 nodes. Cotton is approximately 22.8" tall. Plant bug pressure is increasing in this field. Beneficial insects seen in insect checks was lady bugs. Field had good moisture at time of field visit. This field is beginning to show little signs of stress according to the target development curve.
Clay	Clay (Cover)	5/14 NG 4936 B3XF	42,750	8.7	17.3	-	Last field visit was on 7/12, cotton added on approximately 5 nodes in 14 days, and is currently at an average of 13.7 nodes. Cotton is approximately 19.8" tall. Plant bug pressure is increasing in this field. Beneficial insects seen in insect checks were lady bugs. Field had good moisture at time of field visit. This field is beginning to show signs of some stress according to the target development curve.
Lee	Lee (No Cover)	5/15 PHY 390 W3FE	40,850	9.6	6.1	7/12 8.2	Last field visit was on 7/14, cotton added on approximately 2 nodes since last field visit 6 days before, and cotton is currently at an average of 13.6 nodes. Cotton is approximately 23.3" tall. Field was sprayed day before field visit with insecticides and pix. Field had received .92" of rainfall since last field visit and had good moisture. This field is beginning to show very little signs of stress according to the target development curve. This field started out a little ahead of target development curve but has been running right along the target development curve since then, however this week field began running slightly flatter.
Lee	Lee (Cover)	5/1 PHY 360 W3FE	30,850	10.6	0.0	7/6 7.0	Last field visit was on 7/14, cotton added on approximately 2 nodes since last field visit 6 days before, and cotton is currently at an average of 14.6 nodes. Cotton is approximately 22.8" tall. Low plant bug pressure was seen in insect checks, and a few spiders. Field had received .92" of rainfall since last field visit and had good moisture. This field had a rough start and is still showing signs of stress according to the target development curve.
Lonoke	Lonoke (No Cover)	5/22 DP 2038 B3XF	23,000	5.0	7.9	-	Last field visit was on 7/13, cotton added on approximately 2 nodes since last field visit 6 days before, and cotton is currently at an average of 13.1 nodes. Cotton is approximately 13.3" tall. Low plant bug pressure was seen in insect checks, and a few lady bugs. Field had received 1.35" of rainfall since last field visit and had good moisture. This field started out a little behind the target

							development curve, cotton does not seem to be stressing anymore than it was the week before according to the target development curve.
Lonoke	Lonoke (Cover)	5/22 DP 2038 B3XF	23,250	5.6	4.5	-	Last field visit was on 7/13, cotton added on approximately 3 nodes since last field visit 6 days before, and cotton is currently at an average of 13.6 nodes. Cotton is approximately 15.3" tall. Plant bug pressure is beginning to increase in this side of the field, lady bugs were also seen in insect checks. Field had received 1.35" of rainfall since last field visit and had good moisture. This field started out a little behind the target development curve, and was showing signs of stress, however this week line moved back a little closer to target development curve and is currently not stressing as much.
Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20 DP 2038 B3XF	12,609	7	12.6		Last field visit was on 7/14. Cotton is 13-14 node, 19" tall. Tarnished plant bugs have showed up in this field and the recommendation to spray has been made. Beneficial insects found include, lady beetles, spiders, big eyed bugs, lacewings and syrphid flies. Field received 2.6" of rain since last visit. Soil has good moisture.
Poinsett	Poinsett Judd Hill (Cereal rye)	5/20 DP 2038 B3XF	27,320	6.8	12.1		Last field visit was on 7/14. Cotton is 13-14 node, 21" tall. Tarnished plant bugs have showed up in this field and the recommendation to spray has been made. Beneficial insects found include, lady beetles, spiders, and big eyed bugs. Field received 2.6" of rain since last visit. Soil has good moisture.
Poinsett	Poinsett Judd Hill (No Cover)	5/20 DP 2038 B3XF	29,613	7	11.4		Last field visit was on 7/14. Cotton is 13-14 node, 22" tall. Higher numbers of tarnished plant bugs were found in this field with very few beneficial insects. The recommendation to spray for plant bugs has been made. Field received 2.6" of rain since last visit. Soil has fair moisture down to 2" good moisture going deeper.
Poinsett	Poinsett Lepanto (Cover)	5/21 Armor 9608 B3XF	29,150	4.0	1.3	-	Last field visit was on 7/12. Cotton added on approximately 2 nodes in 6 days and is currently 10.9 nodes. Cotton is approximately 13.3" tall. Field had received 2.65" of rainfall since last field visit, field has good moisture. Low plant bug pressure was seen in insect checks, also seen some lady bugs. This field started out behind the target development curve but is running parallel to the target development curve showing little to no signs of stress.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	5.3	11.3		Last field visit was on 7/12. Cotton added on approximately 3 nodes in 6 days and is currently 12.3 nodes. Cotton is approximately 14.3" tall. Field had received 2.65" of rainfall since last field visit, field has good moisture. Low plant bug pressure was seen in insect checks, also seen some lady bugs. This field started out behind the target development curve but moved back closer to target development curve this week.
St. Francis	St. Francis (No Cover)	5/14 ST 5471 GLTP	36,700	8.2	10.4		Last field visit was on 7/14. Cotton added on approximately 3 nodes in 6 days and is currently 14.2 nodes. Cotton is approximately 19.5" tall. Field had received 2.7" of rainfall since last field visit, and field had fair-good moisture. Low plant bug pressure was seen in insect checks. This field moved to be running slightly more parallel to the target development curve than it was last week.

St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	8.7	11.6		Last field visit was on 7/14. Cotton added on approximately 3 nodes in 6 days and is currently 14.7 nodes. Cotton is approximately 22.5" tall. Field had received 2.7" of rainfall since last field visit, and field had fair-good moisture. Low plant bug pressure was seen in insect checks and a few lady bugs. This field has been showing some signs of stress but moved slightly back toward the target development curve to be running more parallel.
Demo	BCI/US Trust Protocol (Cover)	5/20 DP 1646 B2XF	15,666	7	11.4		Last field visit was on 7/15. Cotton is 13-14 node, 20" tall. Tarnished plant bugs are at threshold to be sprayed and that has been recommended. Beneficial insects found include lady beetles and lady beetle larvae, big eyed bugs, assassin beetles and syrphid flies. Field received 3.25" of rain since last visit. Soil moisture is good.
Demo	BCI/US Trust Protocol (No Cover)	5/20 DP 1646 B2XF	37,254	7	14.1		Last field visit was on 7/15. Cotton is 14 node, 25" tall. High numbers of tarnished plant bugs were found in this field, recommendation to spray has been made. Very few beneficial insects were found. Field received 3.25" of rain since last visit. Soil moisture is good. Slight hardpan forming around 6"
Demo	ASHA (Cover)	5/15 UA 222	16,525	7.6	10.5		Last field visit was on 7/15. Cotton is 14-15 node, 24" tall. Few tarnished plant bugs found but not many, field also has patches of aphids. Beneficial insects are very abundant, Lady beetles and larvae, spiders, lacewing and larvae, big eyed bugs, assassin beetles and syrphid flies were found throughout field. Field has good soil moisture with a slight hardpan forming at 6"