



2021 Cotton Research Verification/ Sustainability Program
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Weekly Update
Update #8 – July 9, 2021

General	There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. Most irrigated fields have now been watered for at least the first time; some locations have been irrigated twice. All fields are now squaring well, and one field within the program is 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	5	1.1	-	Last field visit was on 6/28, cotton was 10 nodes, and approximately 11" tall. No rain had been received since last field visit. Irrigation was attempted, but later realized that they needed to pull furrows to allow for water movement down the rows. There was a hard pan at 8". Low plant bug pressure was seen in insect checks. According to the target development curve this side of field is growing as it should and showing no signs of stress.
Clay	Clay (Cover)	5/14 NG 4936 B3XF	42,750	4	1.3	-	Last field visit was on 6/28, cotton was 9 nodes, and approximately 9.3" tall. No rain had been received since last field visit. Irrigation was attempted, but later realized that they needed to pull furrows to allow for water movement down the rows. There was a hard pan at 8". Low plant bug pressure was seen in insect checks. According to the target development curve this side of field is beginning to show some signs of stress.
Lee	Lee (No Cover)	5/15 PHY 390 W3FE	40,850	8	6.2	-	Last field visit was on 7/8, cotton added on 3 nodes in a week and is currently 12 nodes. Cotton is approximately 18" tall. This side of field was currently being irrigated for the 2 nd time at time of field visit. Low plant bug pressure was seen in insect checks, also seen a couple stink bugs, spiders and a few snails. This field is started out a little ahead of the target development curve but is now running right on top of the target development curve.
Lee	Lee (Cover)	5/1 PHY 360 W3FE	30,850	9	3.6	7/6 8	Last field visit was on 7/8, cotton added on 2 nodes in a week and is currently 13 nodes. Cotton is approximately 18.3" tall. This side of field was irrigated on July 1 st , where 2.6" of water was applied. Field still had good moisture at field visit. Low plant bug pressure was seen in insect checks, also seen a few lady bugs and spiders. 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	3	1.8	-	Last field visit was on 7/7, cotton added on approximately 2 nodes in a week and is currently 11 nodes. Cotton is approximately 11" tall. Field has been irrigated for the first time. Field still had good moisture at field visit. Low plant bug pressure was seen in insect checks, also seen a few snails and lady bugs. This field started out a little behind the target development curve, is still showing some signs of stress.

Lonoke	Lonoke (Cover)	5/22 DP 2038 B3XF	23,250	3	0.0	-	Last field visit was on 7/7, cotton had added on approximately 2 nodes in a week and is currently 11 nodes. Cotton is approximately 11.8" tall. Field has been irrigated for the first time. Field still had good moisture at field visit. Low plant bug pressure was seen in insect checks, also seen lady bugs and snails. This field started out a little behind the target development curve and is continuing to show some signs of stress.
Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20 DP 2038 B3XF	12,609	4-5			Last field visit was on 7/8. Cotton is 11-12 node, 17" tall. No pest insects found. Beneficial insects found were lady beetles, spiders, lacewing and lacewing larvae, and syrphid flies. Field was irrigated for the first time on 7/7. Field received .25" of rain since last visit.
Poinsett	Poinsett Judd Hill (Cereal rye)	5/20 DP 2038 B3XF	27,320	4-5			Last field visit was on 7/8. Cotton is 11-12 node, 19" tall. No pest insects found. Beneficial insects found were lady beetles, spiders, lacewing and lacewing larvae, and syrphid flies. Field was irrigated for the first time on 7/6. Field received .25" of rain since last visit.
Poinsett	Poinsett Judd Hill (No Cover)	5/20 DP 2038 B3XF	29,613	4-5			Last field visit was on 7/8. Cotton is 11-12 node, 19" tall. No pest insects were found. A few spiders and lacewing adults were found sporadically through the field. Field was irrigated for the second time on 7/8. .25" of rain since last visit.
Poinsett	Poinsett Lepanto (Cover)	5/21 Armor 9608 B3XF	29,150	2	0.0	-	Last field visit was on 7/6. Cotton added on 3 nodes in 8 days and is currently 9 nodes. Cotton is approximately 10.3" tall. Field had received .50" since last field visit. Field was getting dry and needs to be irrigated. Polypipe should be pulled soon and irrigation started if adequate rainfall is not received soon. Lady bugs and snails were all that was seen in insect checks. This field started out behind the target development curve as it started squaring late. Will continue to monitor growth with the target development curve throughout the season.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	3	0.0		Last field visit was on 7/6. Cotton added on approximately 3 nodes in 8 days and is currently 9 nodes. Cotton is approximately 9.3" tall. Field had received .50" of rainfall since last field visit. Field was getting dry and needs to be irrigated. Polypipe should be pulled soon and irrigation started if adequate rainfall is not received soon. Low plant bug pressure was seen in insect checks, also seen lady bugs and spiders. This field started out behind the target development curve as it started squaring late. Will continue to monitor growth with the target development curve throughout the season.
St. Francis	St. Francis (No Cover)	5/14 ST 5471 GLTP	36,700	5	2.0		Last field visit was on 7/8. Cotton added on approximately 2 nodes in a week and is currently 11 nodes. Cotton is approximately 14" tall. Field had fair moisture but will need to be irrigated if adequate rain is not received in the next few days. Low plant bug pressure was seen in insect checks, also seen lady bugs and snails. This side of field is showing signs of stress on the target development curve.
St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	6	4.2		Last field visit was on 7/8. Cotton added on approximately 2 nodes in a week and is currently 12 nodes. Cotton is approximately 16.8" tall. Field had fair moisture but will need to be irrigated if adequate rain is not received in the next few days. Low plant bug pressure was seen in insect checks, also seen lady bugs and snails. This side of field is showing signs of stress but is running closer to the target development curve than that of No Cover.

Demo	BCI/US Trust Protocol (Cover)	5/20 DP 1646 B2XF	15,666	4-5			Last field visit was on 7/8, 11-12 node, 15" tall. No pest insects were found, beneficial insects found were spiders, lacewings, and syrphid flies with a few predatory stink bugs found in patches throughout field. Soil was dry down to 2" fair moisture from 2"-4" and good moisture past 4". Field received 1.25" of rain since last visit.
Demo	BCI/US Trust Protocol (No Cover)	5/20 DP 1646 B2XF	37,254	4-5			Last field visit was on 7/8, 11-12 node, 19" tall. No pest insects found, only beneficial insects found were a few spiders. Soil moisture is dry down to 4" fair from 4"-6" and good past 6". Weeds such as pigweed, sicklepod and redvine are starting to have much more of a stand. Field received 1.25" of rain since last visit.
Demo	ASHA (Cover)	5/15 UA 222	16,525	4-5			Last field visit was on 7/8, 11-12 node, 18" tall. No pest insects found. Beneficial insects found include spiders, lady beetles and lady beetle larvae, lacewing and syrphid flies. Soil moisture is dry down to 4", fair moisture from 4"-6" and good Moisture past 6". Slight hard pan forming at 4"