



**2021 Cotton Research Verification/ Sustainability Program**  
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**Weekly Update**  
**Update #10 – July 23, 2021**

General	There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. Fields received anywhere from .70”- 6.0” of rainfall over the past week, all rain gauges were checked except Lonoke county. 7 of the 16 CRVSP fields 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	10.4	10.9	7/16 8.80	Last field visit was on 7/20, cotton is currently at an average of 15.4 nodes, and is approximately 26.3” tall. Insecticide application was made toward end of last week. Plant bug pressure was extremely low in field during field visit. Field received 3” of rainfall since last field visit, field has good moisture. This field is beginning to show signs of a little more stress according to the target development curve.
Clay	Clay (Cover)	5/14  NG 4936 B3XF	42,750	10.9	8.6	7/16 9.35	Last field visit was on 7/20, cotton is currently at an average of 15.9 nodes, and is approximately 23” tall. Insecticide application was made toward end of last week. Insect checks were clean, not many beneficials seen either. Field received 3” of rainfall since last field visit, field has good moisture. This field is beginning to show signs of a little more stress according to the target development curve.
Lee	Lee (No Cover)	5/15  PHY 390 W3FE	40,850	11.7	0.6	7/12 7.80	Last field visit was on 7/22, cotton is currently at an average of 15.7 nodes, and is approximately 29.8” tall. Few spiders and lady bugs were seen in insect checks. Field received 6” of rainfall since last field visit and had good moisture. Field is beginning to show signs of stress according to the target development curve.
Lee	Lee (Cover)	5/1  PHY 360 W3FE	30,850	12.7	0.0	7/6 6.90	Last field visit was on 7/22, cotton is currently at an average of 16.6 nodes, and is approximately 27.3” tall. No insect pressure was seen during field visit. Field received 6” of rainfall since last field visit and had good moisture. Field continues to show signs of stress according to the target development curve.
Lonoke	Lonoke (No Cover)	5/22  DP 2038 B3XF	23,000	8.0	12.5	-	Last field visit was on 7/21, cotton is currently at an average of 16 nodes, and is approximately 27” tall. Low plant bug pressure was seen in insect checks, beneficials present were ladybug larvae, and lacewing larvae. Field is running fairly parallel to the target development curve this week showing little to no signs of stress.
Lonoke	Lonoke (Cover)	5/22  DP 2038 B3XF	23,250	7.4	10.8	-	Last field visit was on 7/21, cotton is currently at an average of 15.4 nodes, and is approximately 29” tall. Plant bug pressure was slightly higher on this side of field, beneficials present were ladybug larvae, and lacewing larvae. Field is showing a little more sign of stress according to the target development curve this week.

Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20 DP 2038 B3XF	12,609	9.9	16.2	-	Last field visit was on 7/22. Cotton is 16-17 nodes, 23" tall. Field was sprayed for tarnished plant bugs on 7/15, numbers of beneficial insects have gone down along with killing out the plant bugs. Soil moisture is good, field received 1.3" of rain since last visit. The field started out slightly behind the target development curve but is running parallel to the target development curve showing little to no signs of stress.
Poinsett	Poinsett Judd Hill (Cereal rye)	5/20 DP 2038 B3XF	27,320	8.8	17.1	-	Last field visit was on 7/22. Cotton is 16-17 nodes, 25" tall. Field was sprayed for tarnished plant bugs on 7/15, numbers of beneficial insects have gone down along with killing out the plant bugs. Soil moisture is good, field received 1.3" of rain since last visit. The field started out slightly behind the target development curve but is running parallel to the target development curve showing little signs of stress.
Poinsett	Poinsett Judd Hill (No Cover)	5/20 DP 2038 B3XF	29,613	9.6	11.6	-	Last field visit was on 7/22. Cotton is 16-17 nodes, 25" tall. Field was sprayed for tarnished plant bugs on 7/15, very few insects were found when scouting this field. Soil moisture is fair in the top 2" good moisture past 2", field received 1.3" of rain since last visit. The field started out slightly behind the target development curve but is running parallel with the target development curve showing little to no signs of stress.
Poinsett	Poinsett Lepanto (Cover)	5/21 Armor 9608 B3XF	29,150	7.4	4.7	-	Last field visit was on 7/19. Cotton is currently at an average of 14.4 nodes and is approximately 24" tall. Lady bugs and spiders was all that was seen during insect checks. Field received 1.70" of rainfall since last field visit and had good moisture. Field is running fairly parallel to target development curves this week showing little to no signs of stress.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	7.8	19.4	-	Last field visit was on 7/19. Cotton is currently at an average of 14.8 nodes and is approximately 22.8" tall. Lady bugs and spiders was all that was seen during insect checks. Field received 1.70" of rainfall since last field visit and had good moisture. Field is showing a slight sign of stress according to the target development curve looks to be running a little flatter this week.
St. Francis	St. Francis (No Cover)	5/14 ST 5471 GLTP	36,700	10.8	6.4	7/19 8.65	Last field visit was on 7/22. Cotton is currently at an average of 16.8 nodes and is approximately 29.8" tall. All that was seen during insect checks was a few ladybugs. Field received 3.20" of rainfall since last field visit and had good moisture. Field is showing signs of stress according to the target development curve.
St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	11.2	9.0	7/19 8.85	Last field visit was on 7/22. Cotton is currently at an average of 17.1 nodes and is approximately 33.5" tall. Low plant bug pressure was seen during insect checks, and few lady bugs were seen. Field received 3.20" of rainfall since last field visit and had good moisture. Field is showing signs of stress according to the target development curve.
Demo	BCI/US Trust Protocol (Cover)	5/20 DP 1646 B2XF	15,666	9	15.6	-	Last field visit was on 7/22. Cotton is 17-18 nodes, 27" 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 .70" of rain since last visit. Soil moisture is good. This field started out slightly behind the target development curve but overall is running parallel with the target development curve showing slight signs of stress since last visit.

Demo	BCI/US Trust Protocol (No Cover)	5/20 DP 1646 B2XF	37,254	9.4	20.3	-	Last field visit was on 7/22. Cotton is 16-17 nodes, 36" tall. Tarnished plant bugs are at threshold to be sprayed and that has been recommended. Few beneficial insects found. Field received .70" of rain since last visit. Soil moisture is fair down to 2" and good past 2". This field started out slightly behind the target development curve but overall is running parallel with the target development curve showing slight signs of stress since last visit.
Demo	ASHA (Cover)	5/15 UA 222	16,525	9.6	11.6	7/20 6.00	Last field visit was on 7/22. Cotton is 18 nodes, 24" tall. Field was sprayed on 7/21 for insects, no live plant bugs were found, aphids have become the most abundant pest in the field however they are not causing any damage, and a few beneficials were found. Field has good soil moisture with a slight hardpan forming at 6". This field started out slightly behind the target development curve. Since flowering field has begun showing signs of stress.