



**2021 Cotton Research Verification/ Sustainability Program**  
**Amanda Free, Coordinator and Joe McAlee, Program Technician**  
**Weekly Update**  
**Update #14 – August 20, 2021**

General							
There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. All fields have now reached cutout either from physiological cutout or by seasonal cutout which is based on the latest possible cutout date.							
County	Field Name (Tillage Practice/ Cover Crop)	Date Planted & Variety	Plant Population	% Small Square Shed (top 3 nodes)	Date First Flower DAP- First flower & Current NAWF	Date Cutout DAP- Cutout * = Seasonal Cutout	General Information
Clay	Clay (No Cover)	5/14  NG 4936 B3XF	35,250	50.0	7/16 63	8/1 79	Last field visit was on 8/16, cotton is currently at an average of 19.6 nodes, and is approximately 31" tall. Plant bug pressure remains under threshold. Beneficial insects seen were ladybugs. Field had received 1.80" of rainfall since last field visit, field had good moisture. Hard pan is forming at 8". Field is currently showing little to no signs of stress according to the target development curve.
Clay	Clay (Cover)	5/14  NG 4936 B3XF	42,750	45.7	7/16 63	8/6 84	Last field visit was on 8/16, cotton is currently at an average of 19.4 nodes, and is approximately 31.5" tall. Plant bug pressure has really increased in this field since last field visit and is getting close to threshold. Beneficial insects seen were lady bugs. Field had received 1.80" of rainfall since last field visit, field had good moisture. Hard pan is forming at 12". Field is currently showing signs of stress according to the target development curve.
Lee	Lee (No Cover)	5/15  PHY 390 W3FE	40,850	92.0	7/12 61	8/1 81	Last field visit was on 8/17, cotton is currently at an average of 17.6 nodes, and is approximately 33" tall. Insects seen in insect checks on 8/19 were spiders and ladybugs. It was raining at time of field visit, and field had good moisture. Hard pan is forming at 8". Field continues to show signs of stress according to the target development curve.
Lee	Lee (Cover)	5/1  PHY 360 W3FE	30,850	76.0	7/6 66	8/1 92	Last field visit was on 8/17, cotton is currently 19.6 nodes, and is approximately 33.5" tall. Insects seen in insect checks on 8/19 were spiders and ladybugs. It was raining at time of field visit, and field had good moisture. Hard pan is forming at 8". Field continues to show signs of stress according to the target development curve.
Lonoke	Lonoke (No Cover)	5/22  DP 2038 B3XF	23,000	3.4	7/27 61	8/14 79	Last field visit was on 8/20, cotton is currently 24.4 nodes, and is approximately 41" tall. Insects seen in insect checks were spiders and snails. Field had received .54" of rainfall since last field visit, and field had good moisture. Hard pan is forming at 10". Field is currently showing little sign of stress according to the target development curve.

Lonoke	Lonoke (Cover)	5/22  DP 2038 B3XF	23,250	5.1	7/27 61	8/15 80	Last field visit was on 8/20, cotton is currently 24.7 nodes, and is approximately 43.3" tall. Plant bugs are below threshold, other insects seen were snails. Field had received .54" of rainfall since last field visit, and field has good moisture. Hard pan is forming at 10". Field continues to show signs of stress according to the target development curve.
Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20  DP 2038 B3XF	12,609	0.0	7/28 68 5	8/10* 81	Last field visit was on 8/19. Cotton is 19-20 node, 38" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, big eyed bugs, lady beetles, both adults and larvae and spiders. Field received 1.8" of rain since last visit. Field is continuing to show 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	0.0	8/1 72 5.5	8/10* 81	Last field visit was on 8/19. Cotton is 19-20 node, 46" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, Big eyed bugs, lady beetles, both adults and larvae and spiders. Field received 1.8" of rain. Field is continuing to show 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	0.0	7/28 68 4.9	8/10* 81	Last field visit was on 8/19. Cotton is 19-20 node, 40" tall. Insect scouting showed low plant bug pressure, few beneficial insects were found. Field received 1.8" of rain since last visit. Soil moisture is good. Field is continuing to show 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	3.4	7/28 68	8/10* 81	Last field visit was on 8/16, cotton is currently at an average of 21.0 nodes, and is approximately 36" tall. Very low plant bug pressure was seen during insect checks, other insects seen were snails. Field had received 0.12" of rainfall since last field visit. Field was being irrigated at time of field visit; soil moisture was fair-good. Hard pan has formed at 10". Field is currently showing signs of stress according to the target development curve.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	0.0	7/28 68	8/11* 82	Last field visit was on 8/16, cotton is currently at an average of 21.8 nodes, and is approximately 36.3" tall. Only insects seen in insect checks were snails. Field had received 0.12" of rainfall since last field visit. Field was being irrigated at time of field visit; soil moisture was fair-good. Hard pan has formed at 6". Field is currently showing signs of stress according to the target development curve.
St. Francis	St. Francis (No Cover)	5/14  ST 5471 GLTP	36,700	0.0	7/19 66 4.35	8/8 86	Last field visit was on 8/17, cotton is currently at an average of 20.9 nodes, and is approximately 36.8" tall. Lady bug larvae and spiders was all that was seen in insect checks. Soil moisture was fair-dry at the time of field visit. Pivot will likely be turned on soon if no rain is received. Hard pan has formed at 10". Field continues to show stress according to the target development curve.
St. Francis	St. Francis (Cover)	5/14  ST 5471 GLTP	38,400	1.7	7/19 66 5.95	8/14* 92	Last field visit was on 8/17, cotton is currently at an average of 21.8 nodes, and is approximately 38" tall. Only insects seem during insect checks was spiders. Soil moisture was fair-dry at the time of field visit. Pivot will likely be turned on soon if no rain is received. Hard pan has formed at 6". Field continues to show signs of stress according to the target development curve.
Demo	BCI/US Trust Protocol (Cover)	5/20  DP 1646 B2XF	15,666	0.0	7/28 68 3.7	8/14 85	Last field visit was on 8/19. Cotton is 19-20 node, 38" tall. Low plant bug pressure, there are a few patches of aphids throughout field but no damage present. Beneficial insects present include lady beetles, both adults and larvae and big eyed bugs. 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.
Demo	BCI/US Trust Protocol (No Cover)	5/20 DP 1646 B2XF	37,254	0.0	7/26 66 4.9	8/12 83	Last field visit was on 8/19. Cotton is 19-20 node, 48" tall. Low plant bug pressure, there are a few patches of aphids throughout field but no damage present. 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.
Demo	ASHA (Cover)	5/15 UA 222	16,525	0.0	7/20 65 4.30	8/3 81	Last field visit was on 8/19. Cotton is 19 node, 37" tall. Low plant bug pressure, aphids are throughout field but not causing any damage. Beneficial insects are very abundant in this field, very high numbers of lady beetles both larvae and adults, spiders, assassin beetles and big eyed bugs. Field has good soil moisture. Field has been running parallel with the target development curve.