



2021 Cotton Research Verification/ Sustainability Program
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Weekly Update
Update #15 – August 27, 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	100.0	7/16 63	8/1 79	Last field visit was on 8/24, cotton is currently at an average of 19.9 nodes, and is approximately 33.3" tall. A couple of plant bugs were seen in insect checks, insecticide applications are terminated based on heat units past cutout. Field had received 1.10" of rain since last field visit, field had fair-good moisture. Hard pan is forming at 8". Field is currently showing signs of stress according to the target development curve.
Clay	Clay (Cover)	5/14 NG 4936 B3XF	42,750	85.2	7/16 63	8/6 84	Last field visit was on 8/24, cotton is currently at an average of 20.5 nodes, and is approximately 34.3" tall. A couple of plant bugs, lady bugs and spiders were seen in insect checks. Plant bug, and boll worm/bud worm applications are terminated based on heat units past cutout. Field had received 1.10" of rain since last field visit, field had fair to good moisture. Hard pan is forming at 12". Field was showing little of no signs of stress this week according to the target development curve.
Lee	Lee (No Cover)	5/15 PHY 390 W3FE	40,850	96.2	7/12 61	8/1 81	Last field visit was on 8/25, cotton is currently at an average of 18.8 nodes, and is approximately 36" tall. Few plant bugs were seen in insect checks, insecticide applications are terminated based on heat units past cutout. Field had received 1.35" of rain since last field visit, field had good moisture, and irrigation has been terminated. Hard pan is forming at 10". Field is showing signs of stress according to the target development curve.
Lee	Lee (Cover)	5/1 PHY 360 W3FE	30,850	100.0	7/6 66	8/1 92	Last field visit was on 8/25, cotton is currently at an average of 19.5 nodes, and is approximately 34.5" tall. Few plant bugs, and lady bugs were seen in insect checks. Insecticide applications are terminated based on heat units past cutout. Field had received 1.35" of rain since last field visit, field had good moisture, and irrigation has been terminated. Hard pan is forming at 15". Field is showing signs of stress according to the target development curve.

Lonoke	Lonoke (No Cover)	5/22 DP 2038 B3XF	23,000	3.6	7/27 61	8/14 79	Last field visit was on 8/25. Cotton is currently 22.0 nodes and is approximately 46" tall. Insects seen in insect checks were plant bugs which were below threshold, snails and ladybugs. Field was irrigated on 8/23, field had good moisture. Field is currently showing little or no signs of stress according to the target development curve.
Lonoke	Lonoke (Cover)	5/22 DP 2038 B3XF	23,250	3.6	7/27 61	8/15 80	Last field visit was on 8/25. Cotton is currently 21.2 nodes and is approximately 44" tall. Insects seen in insect checks were plant bugs which were below threshold, snail, spiders, big eyed bug, and ladybug larvae. Field was irrigated on 8/24, field had good moisture. Field is currently showing little to no 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 8/26. Cotton is 20-21 node, 44" tall. Insect scouting showed low plant bug pressure, few patches of aphids scattered through field however no signs of damage. Beneficial insects found were assassin beetles, big eyed bugs, lady beetles, both adults and larvae and spiders. Soil moisture is fair in top 3" and good going farther down. 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	3.3	8/1 72 4.5	8/10* 81	Last field visit was on 8/26. Cotton is 20-21 node, 49" 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. Soil moisture is fair in top 3" and good going farther down. 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	8.3	7/28 68 4.9	8/10* 81	Last field visit was on 8/26. Cotton is 20-21 node, 44" tall. Insect scouting showed low plant bug pressure, few patches of aphids scattered through field however no signs of damage. Few beneficial insects were found. Soil moisture is dry in top 2" fair down to 4" and good going farther down. 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	29.7	7/28 68	8/10* 81	Last field visit was on 8/23, cotton is currently at an average of 21.2 nodes, and is approximately 38.8" tall. Snails were the only insects seen in insect checks. Field had received 0.96" of rain since last field visit. Soil moisture was good. Hard pan has formed at 12". 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 8/23, cotton is currently at an average of 22.8 nodes, and is approximately 39" tall. Few plant bugs were seen in insect checks, but below threshold, and has already reached number of heat units past cutout to terminate plant bug applications. Field had received 0.96" of rain since last field visit. Soil moisture was good. Hard pan has formed at 5". 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	36.8	7/19 66 4.35	8/8 86	Last field visit was on 8/25, cotton is currently at an average of 21.0 nodes, and is approximately 39.5" tall. Insects seen during insect checks were snails. Field had received 0.38" of rainfall since last field visit. Field was just irrigated. Soil moisture was fair. Hard pan has formed at 5-6". Field is currently showing little to no signs of stress according to the target development curve.

St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	62.2	7/19 66 5.95	8/14* 92	Last field visit was on 8/25, cotton is currently at an average of 21.6 nodes, and is approximately 39.8" tall. Few plant bugs were seen during insect checks but was below threshold, and plant bug applications are terminated based on heat units passed cutout. Field had received 0.38" of rainfall since last field visit. Field was just irrigated. Soil moisture was fair. Hard pan has formed at 6". Field is currently showing 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 20-21 node, 40" 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, assassin beetles syrphid flies and big eyed bugs. Field received 1.75" 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	10.3	7/26 66 4.9	8/12 83	Last field visit was on 8/26. Cotton is 20-21 node, 50" tall. Low plant bug pressure, there are a few patches of aphids throughout field but no damage present. Beneficial insects include lady beetles and big eyed bugs. Field received 1.75" of rain since last visit. Soil moisture is good. 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	42.3	7/20 65 4.30	8/3 81	Last field visit was on 8/26. Cotton is 20 node, 40" 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.