



2021 Cotton Research Verification/ Sustainability Program
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Weekly Update
Update #12 – August 6, 2021

General There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. All fields are now flowering. NAWF ranges from cutout- 8.80 across CRVSP field locations. 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 DAP- First flower & NAWF	Date NAWF=5 DAP- NAWF 5	General Information
Clay	Clay (No Cover)	5/14 NG 4936 B3XF	35,250	11.4	9.7	7/16 63 4.65	8/1 79	Last field visit was on 8/2, cotton is currently at an average of 16.4 nodes, and is approximately 30" tall. Plant bug pressure is beginning to pick back up after the last insecticide application but is not to threshold yet. Field had received 1.6" of rain since last field visit. Soil moisture is good. Field continues to so signs of stress according to the target development curve.
Clay	Clay (Cover)	5/14 NG 4936 B3XF	42,750	12.1	7.5	7/16 63 6.00	-	Last field visit was on 8/2, cotton is currently at an average of 17.1 nodes, and is approximately 30.5" tall. Plant bug pressure is beginning to pick back up after the last insecticide application and will soon need to be sprayed again. Field had received 1.6" of rain since last field visit. Soil moisture is good. Field is showing little to no signs of stress according to the target development curve currently.
Lee	Lee (No Cover)	5/15 PHY 390 W3FE	40,850	13.2	0.0	7/12 61 3.95	8/1 81	Last field visit was on 8/4, cotton is currently at an average of 17.1 nodes, and is approximately 33.5" tall. Only insects spotted in checks was a couple of stink bugs out of several checks. Field was irrigated on 8/2 where 2.2" was applied. Field had good moisture at time of field visit. Field is continuing to show little signs of stress this week.
Lee	Lee (Cover)	5/1 PHY 360 W3FE	30,850	14.7	2.5	7/6 66 4.00	8/1 92	Last field visit was on 8/4, cotton is currently at an average of 18.7 nodes, and is 32.8" tall. Only insects spotted in checks was a stink bug, and ladybug larvae out of all insect checks. Field was irrigated on 8/1 where 2.3" was applied. Field had good moisture at time of field visit. Field is still stressing according to the target development curve.

Lonoke	Lonoke (No Cover)	5/22 DP 2038 B3XF	23,000	13.4	1.4	7/27 61 7.35	-	Last field visit was on 8/5, cotton is currently at an average of 21.4 nodes, and is 39.5" tall. Plant bug pressure is well below threshold after the insecticide application the end of last week. Other insects seen in checks were snails and spiders. Field was irrigated shortly after last field visit. Soil moisture was good at time of field visit. Field is currently showing little to no signs of stress according to the target development curve.
Lonoke	Lonoke (Cover)	5/22 DP 2038 B3XF	23,250	13.3	2.2	7/27 61 6.90	-	Last field visit was on 8/5, cotton is currently at an average of 21.3 nodes, and is 40.5" tall. Plant bug pressure is well below the threshold after the insecticide application the end of last week. Other insects seen in checks were snails, spiders, and ladybug larvae. Field was irrigated a couple of days after last field visit. Soil moisture was good at time of field visit. Field is currently showing signs of stress according to the target development curve.
Poinsett	Poinsett Judd Hill (Crop Intensification)	5/20 DP 2038 B3XF	12,609	11.9	0.0	7/28 68 7.10	-	Last field visit was on 8/5. Cotton is 18-19 node, 31" tall. Insect scouting showed very low plant bug pressure, beneficial insects found were assassin beetles, big eyed bugs, lady beetles, both adults and larvae, syrphid flies and spiders. Field received 1.35" 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.
Poinsett	Poinsett Judd Hill (Cereal rye)	5/20 DP 2038 B3XF	27,320	11.2	3.3	8/1 72 8.80	-	Last field visit was on 8/5. Cotton is 18-19 node, 39" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, big eyed bugs, lady beetles and spiders. Field received 1.35" 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.
Poinsett	Poinsett Judd Hill (No Cover)	5/20 DP 2038 B3XF	29,613	11.7	0.0	7/28 68 6.00	-	Last field visit was on 8/5. Cotton is 18-19 node, 40" tall. Insect scouting showed low plant bug pressure, few beneficial insects found. Field received 1.35" of rain since last visit. Soil moisture is fair down to 4" and good past 4". Field is showing 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	10.3	0.7	7/28 68 7.25	-	Last field visit was on 8/5, cotton is currently at an average of 17.3 nodes, and is 33.3" tall. Snails were the only insects seen during insect checks. Field had fair moisture at time of field visit. Field is currently showing little to no signs of stress according to the target development curve.
Poinsett	Poinsett Lepanto (No Cover)	5/21 Armor 9608 B3XF	31,700	10.4	9.7	7/28 68 7.20	-	Last field visit was on 8/5, cotton is currently at an average of 17.4 nodes, and is 34.3" tall. Plant bug pressure was low, no other insects were seen in checks. Field is beginning to get dry and will need to be irrigated soon without a rain. Field is currently showing little to no signs of stress according to the target development curve.
St. Francis	St. Francis (No Cover)	5/14 ST 5471 GLTP	36,700	13.0	0.9	7/19 66 5.65	-	Last field visit was on 8/4, cotton is currently at an average of 19.0 nodes, and is 33.3" tall. Very low insect (plant bug) pressure was seen in this field, along with a few spiders. Field had just been

								pivot irrigated. Field continues showing signs of stress according to the target development curve.
St. Francis	St. Francis (Cover)	5/14 ST 5471 GLTP	38,400	14.1	3.6	7/19 66 7.00	-	Last field visit was on 8/4, cotton is currently at an average of 20.1 nodes, and is approximately 42.3" tall. All insect checks were clean. Field had just been pivot irrigated. Field continues showing signs of stress according to the target development curve.
Demo	BCI/US Trust Protocol (Cover)	5/20 DP 1646 B2XF	15,666	11.8	5.4	7/28 68 7.40	-	Last field visit was on 8/5. Cotton is 18-19 node, 35" tall. Very 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 bugs, green lacewings and syrphid flies. Field received .1" of rain since last visit. Soil moisture is fair down to 4" and good going past 4". Soil hardpan has formed at 6". 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	12.2	6.9	7/26 66 7.30	-	Last field visit was on 8/5. Cotton is 18-19 node, 46" tall. Very low plant bug pressure, there are a few patches of aphids throughout field but no damage present. Very few beneficial insects found. Drought stress is starting to show in some areas of the field. 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	11.9	0.0	7/20 65 4.70	8/3 81	Last field visit was on 8/5. Cotton is 18-19 node, 32" 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, big eyed bugs, rove beetles and syrphid flies. Field was irrigated on 8/3, soil moisture is good. Field reached cutout on 8/5, after its slight crash early during flowering, field returned to and ran very close to target development curve to cutout.