

2021 Cotton Research Verification/ Sustainability Program
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Weekly Update
Update #13 – August 16, 2021

| General | | | | | | | |
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| There are 16 fields within the CRVSP for 2021. Planting dates range from 5/1 to 5/22. 12 of the 16 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 | 9.6 | 7/16 63 2.7 | 8/1 79 | Last field visit was on 8/9, cotton is currently at an average of 17 nodes, and is approximately 29.3" tall. Spider mites was pest seen during insect checks. Soil moisture was getting dry, needs to be irrigated soon. Field is showing signs of stress according to the target development curve. |
| Clay | Clay (Cover) | 5/14 NG 4936 B3XF | 42,750 | 10.0 | 7/16 63 4.15 | 8/6 84 | Last field visit was on 8/9, cotton is currently at an average of 18.1 nodes, and is approximately 31" tall. Low plant bug pressure was seen in insect checks, as well as spider mites. This side of the field had less spider mite pressure than the Farmer Standard No cover side. Soil moisture is getting dry, needs to be irrigated soon. Field is showing slight signs of stress according to the target development curve. |
| Lee | Lee (No Cover) | 5/15 PHY 390 W3FE | 40,850 | 22.6 | 7/12 61 2.65 | 8/1 81 | Last field visit was on 8/12, cotton is currently at an average of 17.8 nodes, and is approximately 34" tall. Insects seen in insect checks were spiders and lady bugs. Field was irrigated on 8/10 where 1.7" was applied. Soil had good moisture. Field is showing signs of stress according to the target development curve. |
| Lee | Lee (Cover) | 5/1 PHY 360 W3FE | 30,850 | 18.5 | 7/6 66 2.85 | 8/1 92 | Last field visit was on 8/12, cotton is currently at an average of 19.5 nodes, and is approximately 33" tall. Insects seen in insect checks were lady bugs and spiders. Field was getting dry during field visit; irrigation is set to begin on 8/13. Field continues to show stress according to the target development curve. |
| Lonoke | Lonoke (No Cover) | 5/22 DP 2038 B3XF | 23,000 | 0.0 | 7/27 61 5.65 | - | Last field visit was on 8/11, cotton is currently at an average of 22.1 nodes, and is 39.8" tall. Plant bug pressure was well below threshold in insect checks, other insects seen were snails. Field was irrigated on 8/9, field moisture was good at time of field visit. Field will soon be considered at cutout, based on seasonal cutout date. Field is showing slight signs of stress according to the target development curve. |

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| Lonoke | Lonoke (Cover) | 5/22 DP 2038 B3XF | 23,250 | 1.7 | 7/27 61 6.10 | - | Last field visit was on 8/11, cotton is currently at an average of 23.5 nodes, and is 43.5" tall. Plant bug pressure was well below threshold in insect checks, other insects seen were snails. Field was irrigated on 8/10, field had good moisture at time of field visit. Field will soon be considered at cutout, based on seasonal cutout date. Field is showing signs of stress according to the target development curve. |
| Poinsett | Poinsett Judd Hill (Crop Intensification) | 5/20 DP 2038 B3XF | 12,609 | 3.3 | 7/28 68 6.10 | 8/10* 81 | Last field visit was on 8/12. Cotton is 19-20 node, 36" 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 was irrigated on 8/11 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 Judd Hill (Cereal rye) | 5/20 DP 2038 B3XF | 27,320 | 0.0 | 8/1 72 7.30 | 8/10* 81 | Last field visit was on 8/12. Cotton is 19-20 node, 46" tall. Insect scouting showed low plant bug pressure, beneficial insects found were assassin beetles, lady beetles, both adults and larvae and spiders. Field was irrigated on 8/10 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 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 8/12. Cotton is 19 node, 40" tall. Insect scouting showed low plant bug pressure, few beneficial insects were found. Field was irrigated on 8/9. 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 | 0.0 | 7/28 68 5.25 | 8/10* 81 | Last field visit was on 8/9, cotton is currently at an average of 19.9 nodes, and is 35.3" tall. Lady bugs was the only insect seen during insect checks. Field was irrigated on 8/7, soil moisture is good. 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 | 1.7 | 7/28 68 5.95 | 8/11* 82 | Last field visit was on 8/9, cotton is currently at an average of 20.8 nodes, and is 37.5" tall. Snails were the only insects seen during insect checks. Field was irrigated on 8/7, soil moisture is good. Field reached cutout on 8/11 based on weather related rules for latest possible cutout date for that area of the state. 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 8/12, cotton is currently at an average of 20.7 nodes, and is approximately 36.5" tall. Insect checks were clean at time of field visit. Field had just been irrigated. Soil moisture was fair at time of field visit. Field is currently showing signs of 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 8/12, cotton is currently at an average of 21.9 nodes, and is approximately 42.3" tall. Insect checks were clean at time of field visit. Field had just been irrigated. Soil moisture was fair at time of field visit. 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 5.7 | - | Last field visit was on 8/12. Cotton is 19 node, 36" 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 bugs, green lacewings and syrphid flies. Soil moisture is dry down to 4" fair down to 6" and good going farther down. Field is starting to show slight drought stress in small areas of the field. Soil hardpan has formed |

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| | | | | | | | 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 | 6.7 | 7/26 66 4.9 | 8/12* 83 | Last field visit was on 8/12. Cotton is 19 node, 48" tall. Low plant bug pressure, there are a few patches of aphids throughout field but no damage present. Soil moisture is dry down to 6" fair down to 8" and good going farther down. Field is showing signs of drought stress across a large portion of the field. 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 | ASHA (Cover) | 5/15 UA 222 | 16,525 | 3.3 | 7/20 65 4.30 | 8/3 81 | Last field visit was on 8/12. Cotton is 19 node, 36" 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 been running parallel with the target development curve. |