



**2020 Cotton Research Verification / Sustainability  
Update**

**Update # 3**

**July 27, 2020**

<b>General</b>	There are 12 Cotton Research Verification / Sustainability Program fields in 2020. This year there is a wide variety of growth stages across the state as some areas had trouble finding a dry window long enough to get field operations done and planters into the field. Growth stages of cotton ranges from 7.3 squaring nodes at BCI/US Trust Protocol field (No Cover), to NAWF 4.35 in the Desha County East Weaver No Cover Field. All fields with the exception of the BCI/US Trust Protocol fields have kicked off irrigation this growing season. All irrigated locations have been irrigated once with the exception of Clay County and it has now been irrigated four times as of the last field visit.								
<b>County</b>	<b>Field Name (Tillage Practice/ Cover Crop)</b>	<b>Variety</b>	<b># Squaring Nodes</b>	<b>% Square Shed (All 1st position fruit) Last field visit</b>	<b>Date of First Flower (*estimated) (Days after Planting)</b>	<b>NAWF (at first flower)</b>	<b>NAWF (last field visit) (Date of cutout)</b>	<b>Heat Units from NAWF=5 (7/27)</b>	<b>General Information</b>
Desha	East Weaver (No Cover)	ST 4550 GLTP	12.8	2.2	7/3/20 (63)	9	4.35 (7/21)	144	Last field visit was on 7/24, field received .46" of rainfall since last field visit. Field has currently been irrigated one time. Cotton has good color and fair moisture. Minor square shedding is beginning to be noticed in the furrows. Hard pan has formed at 4". Average plant height is 26.8".
Desha	East Weaver (Cover)	ST 4550 GLTP	12.3	0	7/3/20 (63)	9	5.15 (*7/25)	-	Last field visit was on 7/24, field received .46" of rainfall since last field visit. Field has currently been irrigated one time. Cotton has good color and good moisture. Very few square sheds were being noticed in the furrows. Hard pan has formed at 8". Average plant height is 37".
Desha	Shop (No Cover)	ST 4550 GLTP	13.8	2.0	7/1/20 (61)	10	5.00 (7/24)	68.5	Last field visit was on 7/24, field received .80" of rainfall since last field visit. Field has currently been irrigated one time. Cotton has good color and fair moisture. Minor square shedding is beginning to be noticed in the furrows. Hard pan has formed at 6". Average plant height is 32.8".
Desha	Shop (Cover)	ST 4550 GLTP	14.1	0	7/1/20 (61)	10	5.95 (*8/1)	-	Last field visit was on 7/24, field received .80" of rainfall since last field visit. Field has currently been irrigated one time. Cotton has good color and good moisture. Very few squared sheds were being noticed in furrows. Hard pan has formed at 8". Average plant height is 38.8".

County	Field Name (Tillage Practice/ Cover Crop)	Variety	# Squaring Nodes	% Square Shed (All 1st position fruit) Last field visit	Date of First Flower (*estimated) (Days after Planting)	NAWF (at first flower)	NAWF (last field visit) (Date of cutout)	Heat Units from NAWF=5 (7/27)	General Information
Desha	S.W. (South)	DP 1725 B2XF	12.1	0	7/6/20 (54)	9	5.65 (*7/28)	-	Last field visit was on 7/24. Cotton has good color, good moisture and no weed pressure. Field has been irrigated for the first time this season. Hard pan has formed at 10". Average plant height is 36.5".
Desha	S.W. (North)	DP 1725 B2XF	11.4	1.2	7/7/20 (54)	9	4.30 (7/22)	118.5	Last field visit was on 7/24. Cotton has good color, good moisture and no weed pressure. Field has been irrigated for the first time this season. Hard pan has formed at 10". Average plant height is 34.8".
Clay	Clay (No Cover)	DP 1646 B2XF	10.4	1.5	7/10/20 (69)	8	6.55	-	Last field visit was on 7/20. Cotton has good color. Field was irrigated for the 4th time on 7/17 and .73" acre inches was applied. Hard pan has formed at 2" and cannot be broke through easily. Average plant height is 27.5" tall.
Clay	Clay (Cover)	DP 1646 B2XF	11.0	1.9	7/12/20 (71)	9	7.90	-	Last field visit was on 7/20. North side of no-till cover field has more herbicide injury than from the tree line south. Field was irrigated for the 4th time on 7/17 and .73" acre inches was applied. Hard pan has formed at 2" and cannot be broken through easily. Average plant height is 34.0" tall.
St. Francis	St. Francis (No Cover)	CP 9608 B3XF	9.4	6.3	7/20/20 (60)	8	8.00	-	Last field visit was on 7/21. Cotton has good color, looks healthy and has fair moisture. Compaction has formed at approximately 4". No cover cotton is much smaller than the comparison side of No-till cover. Average plant height is 23" tall.
St. Francis	St. Francis (Cover)	CP 9608 B3XF	9.7	10.2	7/18/20 (58)	9	8.30	-	Last field visit was on 7/21. Cotton has good color, looks healthy and has fair moisture. Compaction has formed at approximately 4". This cotton is much taller and has better canopy closure than the farmer standard no cover side. Average plant height is 40.5" tall.

County	Field Name (Tillage Practice/ Cover Crop)	Variety	# Squaring Nodes	% Square Shed (All 1st position fruit) Last field visit	Date of First Flower (*estimated) (Days after Planting)	NAWF (at first flower)	NAWF (last field visit) (Date of cutout)	Heat Units from NAWF=5 (7/27)	General Information
Demo	BCI/US Trust Protocol (No Cover)	DP 1646 B2XF	7.3	4.1	(*7/24/20) (62)	-	-	-	Last field visit was on 7/21. Cotton is growing out of the herbicide injury well, all new leaves put on since injury have good color. Field has fairly good moisture, light compaction at 6" easily broke through forming hard pan, and roots down to 20". Average plant height is 16.5" tall.
Demo	BCI/US Trust Protocol (Cover)	DP 1646 B2XF	7.7	5.8	(*7/24/20) (62)	-	-	-	Last field visit was on 7/21. Cotton is growing out of the herbicide injury well, all new leaves put on since injury have good color. Field has good moisture, no compaction, and roots down to 22". Average plant height is 18" tall.