NORTH CAROLINA COTTON

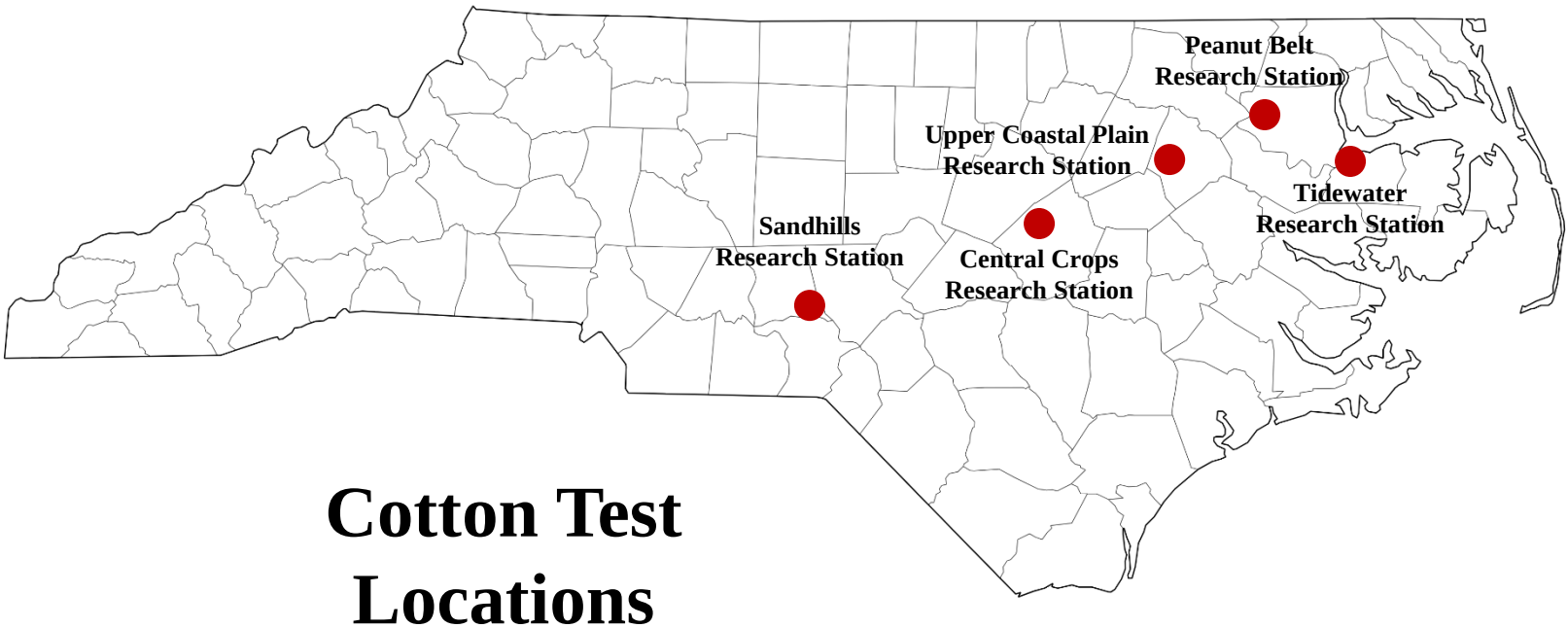
2025
Official Variety Trials

NC STATE UNIVERSITY

NC COOPERATIVE EXTENSION

TABLE 1. Location Information

Location	GPS	Planting Date	Seeding Rate	Soil Type Majority	Irrigation Total	Precipitation Total	Defoliation Date	Harvest Date
Bertie #1	36.13447 N, -77.18038 W	May 19, 2025	43560	Rains sandy loam	0"	23.53"	October 9, 2025	November 6, 2025
Bertie #2	36.12813 N, -77.17658 W	May 22, 2025	43560	Goldsboro sandy loam	0"	23.48"	October 9, 2025	November 5, 2025
Edgecombe #1	35.89311 N, -77.67312 W	April 30, 2025	43560	Goldsboro fine sandy loam	1.5"	22.85"	October 2, 2025	October 15, 2025
Edgecombe #2	35.88878 N, -77.68304 W	May 20, 2025	43560	Norfolk loamy sand	0"	18"	October 2, 2025	October 17, 2025
Johnston	35.66798 N, -78.51080 W	May 23, 2025	43560	Norfolk loamy sand	0"	18.8"	October 17, 2025	November 4, 2025
Montgomery	35.18827 N, -79.68273 W	May 7, 2025	43560	Ailey loamy sand	0"	29.74"	October 2, 2025	October 16, 2025
Washington	35.86282 N, -76.65867 W	May 22, 2025	43560	Portsmouth fine sandy loam	0"	26.52"	October 15, 2025	November 14, 2025



Cotton Test Locations

TABLE 2. Average Performance of Cotton Varieties at Bertie County #1 - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
DP 2537 B3TXF	1761 **	2007	46.2	41	49	.	.	.	.
DP 2038 B3XF	1747 *	1859	48.3	43	45	.	.	.	.
PX1140H143-04W3FE	1735 *	2189	44.6	35	57	.	.	.	.
PX1140H150-04W3FE	1731 *	2091	44.9	35	51	.	.	.	.
PX1140H138-04W3FE	1723 *	1967	46.1	33	62	.	.	.	.
Armor 25X963 B3TXF	1704 *	1935	47.1	40	55	.	.	.	.
AMX12677 B3XF	1699 *	1911	47.3	38	49	.	.	.	.
Armor 25X966 B3TXF	1698 *	1993	46.2	39	46	.	.	.	.
DP 2328 B3TXF	1678	1959	46.3	39	56	.	.	.	.
PX1140F331-04W3FE	1645	1955	45.4	37	49	.	.	.	.
DG 4565 B3TXF	1644	1914	46.9	44	52	.	.	.	.
AMX12526 B3XF	1642	2002	45.7	36	58	.	.	.	.
Armor 9371 B3XF	1639	1926	45.9	37	53	.	.	.	.
BX 2634AXTP	1639	1819	47.5	39	53	.	.	.	.
24R6535B3TXF	1637	1846	46.8	41	49	.	.	.	.
Armor 25X968 B3TXF	1635	2030	45.2	39	48	.	.	.	.
PX1150F360-04W3FE	1634	2013	44.5	36	42	.	.	.	.
PX1140H152-04W3FE	1632	2036	44.1	35	54	.	.	.	.
24R6526B3TXF	1622	1840	46.7	37	45	.	.	.	.
24R6032B3TXF	1618	1881	46.1	41	50	.	.	.	.
PX1140F330-04W3FE	1613	1989	44.6	37	51	.	.	.	.
PX1150H167-04W3FE	1586	1864	46.2	33	56	.	.	.	.
DP 2127 B3XF	1583	1945	45.0	37	53	.	.	.	.
DG 4434 B3TXF	1577	1935	44.7	42	48	.	.	.	.
PHY411W3FE	1573	1859	45.9	35	53	.	.	.	.
PX1150H164-04W3FE	1569	1832	46.0	34	47	.	.	.	.
PHY415W3FE	1561	1852	44.3	37	47	.	.	.	.
BX 2636AXTP	1560	2094	43.3	40	61	.	.	.	.
BX 2660AXTP	1539	1706	47.2	40	35	.	.	.	.
BX 2666AXTP	1539	1861	45.9	40	47	.	.	.	.
BX 2665AXTP	1538	1891	45.0	35	43	.	.	.	.
DG 3519 B3XF	1537	2080	43.4	37	50	.	.	.	.
DG 4547 B3TXF	1530	1870	45.2	38	52	.	.	.	.
DP 2333 B3XF	1529	1743	46.3	37	53	.	.	.	.
DG 3528 B3XF	1519	1985	44.2	39	46	.	.	.	.
ST 4215AXTP	1513	1994	43.2	33	55	.	.	.	.
ST 4833AXTP	1507	1912	44.3	43	40	.	.	.	.
ST 6000AXTP	1506	1611	47.2	38	42	.	.	.	.
BX 2662AXTP	1506	1882	44.7	40	43	.	.	.	.
DP 2522NR B3TXF	1504	1999	43.1	33	45	.	.	.	.
NG 5430 B3XF	1497	2063	43.2	38	47	.	.	.	.
ST 5855AXTP	1494	1598	48.9	37	43	.	.	.	.
BX 2643AXTP	1468	1826	44.6	41	54	.	.	.	.
Armor 9831 B3XF	1444	1751	45.2	36	38	.	.	.	.
PHY 480 W3FE	1434	1837	44.4	37	34	.	.	.	.
ST 5931AXTP	1368	1783	44.2	37	39	.	.	.	.
PHY 500 W3FE	1290	1618	44.6	38	40	.	.	.	.
MEAN	1582	1905	45.5	38	49	.	.	.	.
C.V.(%)	5.3	.	.	.	.	.	.	.	.
LSD_10	80	.	.	.	.	.	.	.	.
SEM	37.6	.	.	.	.	.	.	.	.
Error d.f.	186	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 3. Average Performance of Cotton Varieties at Bertie County #2 - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
BX 2634AXTP	1806 **	2130	46.8	49	56	.	.	.	.
DP 2537 B3TXF	1781 *	2227	45.1	50	47	.	.	.	.
Armor 25X966 B3TXF	1769 *	2130	44.5	46	48	.	.	.	.
PX1140H143-04W3FE	1757 *	2181	44.4	42	58	.	.	.	.
PX1140H152-04W3FE	1740 *	2223	43.7	43	54	.	.	.	.
PX1140H138-04W3FE	1732 *	2074	45.5	40	50	.	.	.	.
PX1140H150-04W3FE	1715 *	2196	43.7	42	53	.	.	.	.
Armor 9371 B3XF	1672	2127	43.8	49	49	.	.	.	.
AMX12526 B3XF	1670	2157	44.4	47	61	.	.	.	.
24R6032B3TXF	1652	2026	46.0	48	50	.	.	.	.
Armor 25X963 B3TXF	1650	1922	45.9	51	51	.	.	.	.
DP 2328 B3TXF	1648	1920	45.4	48	59	.	.	.	.
DP 2038 B3XF	1647	1825	46.9	49	55	.	.	.	.
Armor 25X968 B3TXF	1642	2165	43.2	46	46	.	.	.	.
DP 2127 B3XF	1616	2004	44.2	46	53	.	.	.	.
BX 2636AXTP	1616	2260	42.1	48	63	.	.	.	.
AMX12677 B3XF	1615	1936	45.7	48	49	.	.	.	.
DG 4434 B3TXF	1614	2091	43.5	48	45	.	.	.	.
24R6535B3TXF	1601	2005	44.9	48	51	.	.	.	.
DG 3519 B3XF	1599	2134	42.8	45	50	.	.	.	.
PX1140F330-04W3FE	1584	1954	45.1	44	49	.	.	.	.
DG 4565 B3TXF	1581	1978	44.4	52	47	.	.	.	.
ST 4215AXTP	1580	2181	42.4	42	54	.	.	.	.
BX 2662AXTP	1574	2038	44.2	48	48	.	.	.	.
BX 2666AXTP	1555	1954	44.2	44	57	.	.	.	.
DP 2333 B3XF	1553	1903	45.9	50	53	.	.	.	.
ST 4833AXTP	1547	2142	42.4	52	45	.	.	.	.
PX1140F331-04W3FE	1527	1953	44.6	48	41	.	.	.	.
PX1150F360-04W3FE	1518	2123	42.4	45	44	.	.	.	.
PHY411W3FE	1516	1896	44.5	44	55	.	.	.	.
BX 2665AXTP	1508	1905	43.7	42	52	.	.	.	.
PX1150H167-04W3FE	1507	1876	44.3	40	52	.	.	.	.
DG 4547 B3TXF	1499	1851	45.8	43	58	.	.	.	.
BX 2643AXTP	1485	1843	43.8	47	58	.	.	.	.
ST 5855AXTP	1474	1741	45.8	47	38	.	.	.	.
ST 6000AXTP	1443	1742	45.9	46	39	.	.	.	.
PHY415W3FE	1438	1893	42.9	47	41	.	.	.	.
PX1150H164-04W3FE	1430	1725	45.3	46	40	.	.	.	.
Armor 9831 B3XF	1419	1800	44.4	46	36	.	.	.	.
DG 3528 B3XF	1410	1924	42.2	47	50	.	.	.	.
24R6526B3TXF	1396	1782	45.1	47	39	.	.	.	.
NG 5430 B3XF	1363	1851	42.2	46	41	.	.	.	.
ST 5931AXTP	1348	1875	42.5	45	37	.	.	.	.
DP 2522NR B3TXF	1325	1914	41.5	43	39	.	.	.	.
BX 2660AXTP	1274	1556	44.3	48	31	.	.	.	.
PHY 480 W3FE	1260	1698	42.5	46	41	.	.	.	.
PHY 500 W3FE	1201	1535	43.7	49	39	.	.	.	.
MEAN	1550	1965	44.2	46	48	.	.	.	.
C.V.(%)	7.0	.	.	.	.	.	.	.	.
LSD_10	108	.	.	.	.	.	.	.	.
SEM	48.8	.	.	.	.	.	.	.	.
Error d.f.	186	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 4. Average Performance of Cotton Varieties at Edgecombe County #1 - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
Armor 25X963 B3TXF	1699 **	1829	48.2	40	49	1.15	83.0	28.6	4.8
PX1140F331-04W3FE	1699 *	1789	47.5	39	49	1.18	84.7	33.8	5.0
PX1140F330-04W3FE	1691 *	2123	46.4	39	49	1.18	84.5	33.2	4.8
DG 4434 B3TXF	1683 *	2070	46.9	40	42	1.18	84.2	29.8	4.7
24R6535B3TXF	1672 *	1722	48.0	38	45	1.19	84.1	31.5	4.9
PX1140H150-04W3FE	1669 *	2132	46.6	35	56	1.19	84.9	33.9	4.9
24R6526B3TXF	1657 *	1627	47.9	33	50	1.15	82.8	29.8	4.8
Armor 9831 B3XF	1644 *	1970	46.7	37	37	1.17	83.9	32.3	4.9
PX1140H138-04W3FE	1636 *	2037	46.5	37	50	1.15	84.3	34.9	4.9
PX1150H164-04W3FE	1631 *	1942	48.0	39	47	1.14	83.8	31.6	4.7
Armor 25X966 B3TXF	1629 *	1714	48.1	33	49	1.16	83.8	31.7	5.0
AMX12526 B3XF	1611 *	1749	47.4	32	51	1.17	84.5	31.8	5.0
PX1140H152-04W3FE	1607 *	1776	45.6	37	53	1.18	84.1	35.0	4.9
BX 2634AXTP	1605 *	1616	48.1	35	55	1.12	83.6	30.9	5.0
DG 4565 B3TXF	1593 *	1806	46.6	40	41	1.19	83.8	27.9	4.6
PX1150F360-04W3FE	1590 *	1714	46.9	35	58	1.21	85.3	33.8	5.0
Armor 9371 B3XF	1587 *	1821	46.7	36	41	1.18	85.5	31.3	4.6
DP 2537 B3TXF	1585	1718	47.6	39	50	1.16	84.6	31.1	5.1
PX1140H143-04W3FE	1577	1693	47.2	34	46	1.16	83.6	34.2	5.2
24R6032B3TXF	1575	1863	46.8	40	55	1.16	84.6	30.1	5.0
Armor 25X968 B3TXF	1563	1787	45.2	34	49	1.15	84.0	31.5	4.9
DP 2127 B3XF	1561	1952	46.4	40	37	1.17	85.3	31.2	4.8
DG 3528 B3XF	1559	2139	45.4	40	45	1.20	84.9	30.5	4.6
DP 2038 B3XF	1529	1763	48.1	37	49	1.15	84.7	32.1	4.7
ST 6000AXTP	1502	1843	48.5	37	45	1.21	85.7	32.5	4.3
DP 2328 B3TXF	1487	1720	46.2	40	51	1.19	84.3	30.9	4.8
ST 4833AXTP	1469	1712	46.1	40	47	1.20	85.1	32.2	4.8
DG 4547 B3TXF	1461	1537	47.5	39	55	1.19	84.6	30.6	4.3
NG 5430 B3XF	1455	1679	46.0	39	35	1.15	83.7	31.6	4.6
BX 2662AXTP	1452	1725	47.0	35	53	1.16	84.1	31.7	4.4
DP 2333 B3XF	1448	1764	47.6	38	41	1.17	83.3	30.6	4.9
AMX12677 B3XF	1446	1531	46.7	37	45	1.19	83.9	32.6	5.2
PHY415W3FE	1440	1543	46.0	41	44	1.20	85.1	33.8	4.9
BX 2660AXTP	1435	1572	46.3	42	46	1.16	84.2	32.4	4.6
ST 5855AXTP	1432	1464	49.5	34	47	1.19	84.6	33.1	4.6
PHY411W3FE	1418	1385	47.1	32	50	1.10	83.3	32.8	5.0
ST 5931AXTP	1408	1832	44.9	38	38	1.21	85.5	32.9	4.2
ST 4215AXTP	1401	1704	46.3	36	52	1.25	84.8	32.6	4.9
BX 2666AXTP	1400	1688	46.7	39	44	1.18	83.8	30.4	4.5
PHY 500 W3FE	1386	1777	45.5	40	45	1.17	84.5	35.9	4.3
BX 2665AXTP	1385	1795	46.5	36	45	1.21	85.6	32.4	4.7
DG 3519 B3XF	1376	1848	44.0	36	49	1.20	85.6	32.7	4.6
DP 2522NR B3TXF	1354	1922	43.3	30	49	1.27	84.4	34.9	4.1
BX 2636AXTP	1331	1502	44.1	38	55	1.26	85.7	31.9	4.8
PHY 480 W3FE	1331	1532	44.8	33	42	1.16	84.5	31.2	4.4
BX 2643AXTP	1260	1622	44.7	41	60	1.16	84.8	31.1	4.9
PX1150H167-04W3FE	1251	1501	43.1	38	50	1.17	84.4	31.3	4.5
MEAN	1515	1756	46.5	37	47	1.18	84.4	32.0	4.7
C.V.(%)	12.2	.	.	.	.	.	.	.	.
LSD_10	112	.	.	.	.	.	.	.	.
SEM	82.8	.	.	.	.	.	.	.	.
Error d.f.	179	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 5. Average Performance of Cotton Varieties at Edgecombe County #2 - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
BX 2634AXTP	1824 **	2167	48.0	39	.	1.16	83.7	31.2	4.6
PX1140H152-04W3FE	1818 *	2159	44.0	36	.	1.23	84.7	35.1	4.3
AMX12526 B3XF	1792 *	2098	45.9	36	.	1.21	85.5	31.7	4.6
AMX12677 B3XF	1789 *	2023	46.9	38	.	1.22	84.6	33.2	4.6
PX1140H150-04W3FE	1746 *	1934	44.8	37	.	1.24	85.1	34.7	4.2
PX1140H143-04W3FE	1744 *	2151	44.2	33	.	1.23	85.1	35.2	4.3
DP 2537 B3TXF	1701	2174	45.7	41	.	1.20	85.0	32.2	4.5
DP 2333 B3XF	1684	2028	46.4	41	.	1.20	84.1	30.9	4.3
ST 4833AXTP	1672	2126	43.7	44	.	1.27	85.8	32.7	3.9
DP 2038 B3XF	1656	1855	48.5	41	.	1.15	83.9	31.6	4.3
DP 2127 B3XF	1653	2184	44.4	37	.	1.21	85.2	32.4	4.5
DP 2328 B3TXF	1648	1988	46.3	42	.	1.22	84.1	30.3	4.3
BX 2636AXTP	1646	2144	43.5	41	.	1.29	85.4	31.2	4.6
PX1140F330-04W3FE	1641	1950	45.2	39	.	1.25	85.5	32.9	4.5
NG 5430 B3XF	1641	2065	43.9	39	.	1.19	83.7	31.5	4.2
24R6032B3TXF	1621	1806	46.9	37	.	1.18	84.0	31.3	4.3
PX1150H167-04W3FE	1613	1959	45.2	34	.	1.19	83.9	31.8	4.1
PX1140F331-04W3FE	1596	1916	45.9	37	.	1.21	85.8	33.7	4.3
PX1140H138-04W3FE	1595	1810	45.1	33	.	1.20	85.4	35.0	4.2
BX 2666AXTP	1582	1887	46.6	37	.	1.23	83.7	31.3	4.0
PX1150H164-04W3FE	1577	1813	45.8	39	.	1.20	83.8	32.7	4.1
PHY415W3FE	1574	1951	44.3	37	.	1.21	83.7	34.8	4.3
Armor 25X963 B3TXF	1562	1792	47.8	37	.	1.18	84.5	28.4	4.2
BX 2660AXTP	1561	1792	47.3	42	.	1.17	84.6	30.9	4.4
PHY411W3FE	1556	1901	45.3	35	.	1.14	84.2	32.7	4.7
DG 3528 B3XF	1547	1942	45.5	39	.	1.22	85.0	30.0	4.0
Armor 9831 B3XF	1543	1997	44.7	35	.	1.20	84.1	32.2	4.4
24R6535B3TXF	1543	1790	46.1	37	.	1.22	84.0	31.5	4.3
BX 2643AXTP	1519	1827	45.6	41	.	1.19	85.1	29.1	4.7
BX 2665AXTP	1518	1956	45.6	36	.	1.24	86.3	33.0	4.2
Armor 25X966 B3TXF	1516	1769	46.9	38	.	1.22	84.2	31.6	4.1
Armor 9371 B3XF	1515	1932	45.5	40	.	1.22	85.9	31.0	3.9
ST 5855AXTP	1515	1647	47.8	39	.	1.23	84.6	33.9	3.9
ST 4215AXTP	1514	1995	44.2	34	.	1.28	84.6	32.5	4.1
DG 3519 B3XF	1501	1819	44.1	37	.	1.24	86.0	33.1	4.2
ST 6000AXTP	1494	1721	47.9	40	.	1.25	85.6	33.7	3.9
Armor 25X968 B3TXF	1492	1804	44.8	35	.	1.19	85.5	31.9	4.4
DG 4565 B3TXF	1478	1967	45.9	44	.	1.19	84.4	28.2	4.1
PX1150F360-04W3FE	1474	1710	44.1	36	.	1.26	85.2	34.5	4.1
24R6526B3TXF	1465	1742	46.4	37	.	1.19	82.3	30.0	4.1
BX 2662AXTP	1457	1917	45.4	38	.	1.16	83.3	31.9	4.2
DP 2522NR B3TXF	1382	1995	43.5	34	.	1.32	85.2	34.3	3.5
ST 5931AXTP	1380	1828	43.9	41	.	1.25	85.2	32.7	3.5
DG 4434 B3TXF	1380	1557	45.7	37	.	1.23	84.0	29.7	3.7
DG 4547 B3TXF	1375	1621	45.6	39	.	1.19	83.9	29.4	3.8
PHY 500 W3FE	1350	1739	44.9	40	.	1.20	85.1	35.1	3.7
PHY 480 W3FE	1197	1716	44.6	38	.	1.19	85.3	30.9	3.6
MEAN	1567	1908	45.5	38	.	1.21	84.7	32.1	4.2
C.V.(%)	11.1	.	.	.	.	.	.	.	.
LSD_10	97	.	.	.	.	.	.	.	.
SEM	77.6	.	.	.	.	.	.	.	.
Error d.f.	186	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 6. Average Performance of Cotton Varieties at Johnston County - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
BX 2636AXTP	1682 **	1988	45.9	52	.	.	.	.	.
ST 4215AXTP	1649 *	2093	44.7	44	.	.	.	.	.
AMX12677 B3XF	1617 *	1749	47.8	47	.	.	.	.	.
PX1140H150-04W3FE	1591 *	1762	46.7	43	.	.	.	.	.
Armor 25X966 B3TXF	1588 *	1751	47.7	49	.	.	.	.	.
AMX12526 B3XF	1580 *	1892	46.2	47	.	.	.	.	.
ST 4833AXTP	1550	1864	45.5	56	.	.	.	.	.
PX1140H152-04W3FE	1545	1723	46.6	43	.	.	.	.	.
PX1140F330-04W3FE	1544	1867	46.5	48	.	.	.	.	.
BX 2634AXTP	1540	1639	48.7	50	.	.	.	.	.
DG 3519 B3XF	1536	1762	46.9	45	.	.	.	.	.
PX1140F331-04W3FE	1525	1709	46.8	45	.	.	.	.	.
PHY415W3FE	1516	1893	45.3	48	.	.	.	.	.
24R6032B3TXF	1508	1722	47.6	49	.	.	.	.	.
BX 2643AXTP	1506	1722	47.3	54	.	.	.	.	.
BX 2665AXTP	1503	1682	47.9	46	.	.	.	.	.
BX 2662AXTP	1495	1716	46.7	50	.	.	.	.	.
DP 2537 B3TXF	1495	1649	47.3	54	.	.	.	.	.
PX1150H167-04W3FE	1486	1811	46.1	44	.	.	.	.	.
24R6535B3TXF	1454	1592	47.3	49	.	.	.	.	.
PX1140H143-04W3FE	1451	1704	46.2	44	.	.	.	.	.
Armor 9371 B3XF	1445	1664	46.5	47	.	.	.	.	.
PX1150H164-04W3FE	1442	1689	46.7	48	.	.	.	.	.
PHY411W3FE	1437	1657	46.4	44	.	.	.	.	.
DP 2328 B3TXF	1436	1585	47.6	51	.	.	.	.	.
BX 2666AXTP	1405	1708	47.2	50	.	.	.	.	.
DP 2038 B3XF	1397	1442	49.5	54	.	.	.	.	.
Armor 25X963 B3TXF	1392	1546	47.8	47	.	.	.	.	.
PX1150F360-04W3FE	1373	1623	45.1	49	.	.	.	.	.
PX1140H138-04W3FE	1363	1500	47.6	43	.	.	.	.	.
DP 2127 B3XF	1356	1546	47.4	48	.	.	.	.	.
DG 4434 B3TXF	1353	1514	47.1	49	.	.	.	.	.
NG 5430 B3XF	1351	1660	44.7	50	.	.	.	.	.
DG 4547 B3TXF	1327	1463	48.5	50	.	.	.	.	.
DG 4565 B3TXF	1325	1528	46.4	50	.	.	.	.	.
DG 3528 B3XF	1301	1584	45.1	49	.	.	.	.	.
Armor 25X968 B3TXF	1287	1632	44.6	43	.	.	.	.	.
DP 2333 B3XF	1267	1346	48.0	50	.	.	.	.	.
24R6526B3TXF	1235	1381	46.7	48	.	.	.	.	.
ST 5931AXTP	1233	1555	45.2	46	.	.	.	.	.
ST 6000AXTP	1232	1302	48.4	48	.	.	.	.	.
DP 2522NR B3TXF	1216	1579	44.2	45	.	.	.	.	.
ST 5855AXTP	1211	1387	48.5	52	.	.	.	.	.
Armor 9831 B3XF	1164	1401	45.8	49	.	.	.	.	.
PHY 480 W3FE	1151	1417	45.3	48	.	.	.	.	.
PHY 500 W3FE	1060	1288	46.1	51	.	.	.	.	.
BX 2660AXTP	1021	1113	48.1	49	.	.	.	.	.
MEAN	1407	1626	46.7	48	.	.	.	.	.
C.V.(%)	9.6	.	.	.	.	.	.	.	.
LSD_10	130	.	.	.	.	.	.	.	.
SEM	60.5	.	.	.	.	.	.	.	.
Error d.f.	184	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 7. Average Performance of Cotton Varieties at Montgomery County - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
DG 4565 B3TXF	1439 **	1265	46.8	43	42	1.15	83.9	27.7	4.9
DP 2127 B3XF	1399 *	1365	49.8	40	47	1.16	85.1	31.7	4.7
BX 2660AXTP	1321 *	1101	45.9	38	52	1.11	83.2	30.5	4.9
Armor 9831 B3XF	1311 *	1697	44.0	37	51	1.17	83.4	32.8	5.2
24R6535B3TXF	1304	1478	46.1	38	53	1.19	85.0	31.8	4.4
AMX12677 B3XF	1302	1476	46.9	43	51	1.19	84.8	31.3	5.0
DG 3528 B3XF	1298	1517	45.3	34	58	1.19	84.1	30.4	4.4
Armor 25X963 B3TXF	1284	1375	48.1	40	46	1.17	84.5	28.0	4.6
ST 5855AXTP	1272	1332	46.7	37	55	1.22	84.5	32.4	4.5
DP 2537 B3TXF	1271	1430	45.8	42	59	1.14	83.2	30.2	4.9
Armor 25X966 B3TXF	1265	1517	46.2	39	55	1.19	84.6	30.8	4.7
ST 6000AXTP	1245	1389	45.9	38	55	1.20	85.2	31.6	4.6
Armor 9371 B3XF	1244	1541	44.6	39	60	1.17	84.3	30.7	4.8
24R6526B3TXF	1227	1388	46.4	40	51	1.17	83.6	29.9	4.5
DG 4547 B3TXF	1227	1350	48.0	37	48	1.19	84.2	29.2	4.1
24R6032B3TXF	1225	1404	46.6	42	58	1.15	83.9	29.3	4.7
NG 5430 B3XF	1195	1476	44.8	39	42	1.20	84.3	30.8	4.8
PX1140H152-04W3FE	1190	1514	43.9	37	56	1.19	84.0	33.0	4.7
DP 2038 B3XF	1186	1283	48.4	40	48	1.10	82.3	30.9	5.1
ST 4833AXTP	1184	1483	45.4	42	54	1.23	85.9	31.8	4.8
BX 2665AXTP	1183	1415	45.7	35	49	1.18	85.0	31.9	4.9
DP 2328 B3TXF	1181	1259	47.1	41	60	1.20	84.5	31.2	4.4
PX1150F360-04W3FE	1180	1361	45.7	35	55	1.22	85.3	33.0	4.5
PHY 480 W3FE	1162	1411	44.7	36	55	1.17	84.9	31.2	4.5
Armor 25X968 B3TXF	1157	1449	44.3	37	56	1.16	84.1	31.1	4.9
PX1140H150-04W3FE	1144	1428	44.8	37	56	1.21	86.1	33.9	4.8
PX1150H164-04W3FE	1138	1330	45.8	36	59	1.15	83.5	30.6	4.9
BX 2636AXTP	1133	1360	45.1	41	54	1.26	86.1	31.2	4.8
PX1150H167-04W3FE	1113	1292	45.9	35	60	1.17	84.4	31.3	4.5
PHY411W3FE	1110	1305	46.4	39	52	1.12	83.8	32.9	4.8
BX 2634AXTP	1100	1195	47.7	38	55	1.14	83.5	29.7	4.9
DG 3519 B3XF	1094	1405	43.9	34	50	1.22	84.7	32.8	4.4
BX 2662AXTP	1091	1304	45.1	38	54	1.17	84.2	32.4	4.7
PX1140H143-04W3FE	1086	1413	43.6	35	54	1.19	84.4	32.7	4.9
DP 2333 B3XF	1086	1312	46.1	43	53	1.16	83.3	30.1	5.0
PX1140F331-04W3FE	1084	1280	45.5	38	51	1.20	85.6	33.8	4.8
PX1140F330-04W3FE	1084	1361	45.6	37	50	1.20	85.8	32.3	4.7
ST 5931AXTP	1056	1417	43.5	35	54	1.21	84.9	32.1	4.4
DP 2522NR B3TXF	1054	1410	43.4	39	37	1.28	84.3	33.6	4.2
DG 4434 B3TXF	1052	1225	46.8	38	56	1.17	83.6	29.7	4.3
PHY 500 W3FE	1051	1316	44.5	38	52	1.18	84.6	34.2	4.4
AMX12526 B3XF	1051	1219	46.0	39	55	1.17	84.6	30.5	4.6
BX 2666AXTP	1050	1219	45.4	37	45	1.21	84.2	29.8	4.5
PHY415W3FE	1047	1336	44.7	36	52	1.17	84.4	33.6	4.4
PX1140H138-04W3FE	1043	1243	45.2	33	48	1.17	84.8	34.2	5.1
BX 2643AXTP	1034	1285	45.1	43	53	1.17	84.6	29.3	5.0
ST 4215AXTP	1019	1496	44.5	33	48	1.22	83.8	31.7	4.5
MEAN	1170	1371	45.7	38	52	1.18	84.4	31.4	4.7
C.V.(%)	11.2	.	.	.	.	.	.	.	.
LSD_10	134	.	.	.	.	.	.	.	.
SEM	58.8	.	.	.	.	.	.	.	.
Error d.f.	139	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 8. Average Performance of Cotton Varieties at Washington County - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
DP 2127 B3XF	2170 **	2546	46.0	45	36	.	.	.	.
BX 2660AXTP	2074 *	2280	47.4	48	25	.	.	.	.
BX 2634AXTP	2043 *	2144	48.6	46	47	.	.	.	.
BX 2665AXTP	2025 *	2446	45.1	40	45	.	.	.	.
AMX12526 B3XF	2021 *	2000	47.0	40	49	.	.	.	.
DP 2537 B3TXF	2016 *	2343	46.2	49	49	.	.	.	.
ST 6000AXTP	2016 *	2103	48.8	42	45	.	.	.	.
Armor 25X968 B3TXF	2016 *	2457	45.2	42	39	.	.	.	.
PX1140H152-04W3FE	2008	2565	44.3	38	51	.	.	.	.
AMX12677 B3XF	2001	2151	48.0	43	47	.	.	.	.
24R6032B3TXF	1989	2318	46.3	46	45	.	.	.	.
PX1140H150-04W3FE	1974	2434	44.7	37	54	.	.	.	.
PX1140H143-04W3FE	1965	2408	44.7	37	49	.	.	.	.
Armor 25X963 B3TXF	1961	2234	46.7	46	36	.	.	.	.
PX1140F331-04W3FE	1959	2435	44.6	38	50	.	.	.	.
Armor 25X966 B3TXF	1956	2326	45.7	40	41	.	.	.	.
PX1150F360-04W3FE	1955	2522	43.6	39	47	.	.	.	.
ST 4833AXTP	1946	2463	44.5	48	45	.	.	.	.
PX1140H138-04W3FE	1946	2326	45.7	34	55	.	.	.	.
PX1140F330-04W3FE	1933	2454	44.0	36	62	.	.	.	.
DP 2038 B3XF	1933	2082	48.6	48	33	.	.	.	.
PX1150H164-04W3FE	1920	2207	46.4	42	38	.	.	.	.
Armor 9371 B3XF	1914	2247	46.0	43	44	.	.	.	.
DP 2333 B3XF	1912	2088	47.9	45	36	.	.	.	.
DG 3519 B3XF	1910	2365	44.8	42	41	.	.	.	.
PX1150H167-04W3FE	1908	2179	46.2	37	52	.	.	.	.
BX 2666AXTP	1906	2229	46.5	41	45	.	.	.	.
24R6526B3TXF	1893	2189	46.5	43	30	.	.	.	.
DP 2328 B3TXF	1885	2226	45.9	44	58	.	.	.	.
PHY411W3FE	1876	2332	44.7	41	46	.	.	.	.
DG 4434 B3TXF	1874	2176	46.1	42	36	.	.	.	.
PHY415W3FE	1865	2357	44.0	41	46	.	.	.	.
ST 5855AXTP	1864	1974	48.9	43	45	.	.	.	.
24R6535B3TXF	1861	2161	46.7	42	47	.	.	.	.
ST 5931AXTP	1848	2264	44.9	44	32	.	.	.	.
DG 3528 B3XF	1840	2263	44.8	45	37	.	.	.	.
ST 4215AXTP	1838	2185	45.4	38	50	.	.	.	.
NG 5430 B3XF	1838	2306	44.2	44	32	.	.	.	.
BX 2636AXTP	1827	2249	44.8	46	45	.	.	.	.
BX 2662AXTP	1812	2134	45.5	42	39	.	.	.	.
DG 4565 B3TXF	1798	2543	44.9	43	38	.	.	.	.
DG 4547 B3TXF	1788	2023	47.0	39	44	.	.	.	.
DP 2522NR B3TXF	1774	2338	42.9	41	33	.	.	.	.
BX 2643AXTP	1752	2151	45.2	45	52	.	.	.	.
Armor 9831 B3XF	1743	2288	43.3	39	26	.	.	.	.
PHY 500 W3FE	1648	2011	44.5	47	28	.	.	.	.
PHY 480 W3FE	1616	2086	43.7	43	29	.	.	.	.
MEAN	1907	2268	45.7	42	43	.	.	.	.
C.V.(%)	8.0	.	.	.	.	.	.	.	.
LSD_10	158	.	.	.	.	.	.	.	.
SEM	68.0	.	.	.	.	.	.	.	.
Error d.f.	170	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

TABLE 9. Average Performance of Cotton Varieties Statewide - 2025

Variety	Lint Yield	Seed Yield	Lint	Plant Height	Bolls Opened[a]	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	lb/acre	%	in.	%	in.	—	g/tex	—
DP 2537 B3TXF	1659 **	1936	46.3	45	51	.	.	.	.
PX1140H150-04W3FE	1653 *	1997	45.2	38	54	.	.	.	.
BX 2634AXTP	1651 *	1816	47.9	42	53	.	.	.	.
PX1140H152-04W3FE	1649 *	2000	44.6	38	53	.	.	.	.
AMX12677 B3XF	1638 *	1825	47.1	42	48	.	.	.	.
Armor 25X966 B3TXF	1632 *	1886	46.5	41	48	.	.	.	.
AMX12526 B3XF	1624 *	1874	46.1	39	55	.	.	.	.
DP 2127 B3XF	1620 *	1934	46.2	42	45	.	.	.	.
PX1140H143-04W3FE	1616 *	1963	45.0	37	53	.	.	.	.
Armor 25X963 B3TXF	1607 *	1805	47.4	43	47	.	.	.	.
24R6032B3TXF	1598 *	1860	46.6	43	52	.	.	.	.
DP 2038 B3XF	1585 *	1730	48.3	44	46	.	.	.	.
PX1140F330-04W3FE	1584 *	1957	45.3	40	52	.	.	.	.
24R6535B3TXF	1582 *	1799	46.5	42	49	.	.	.	.
PX1140H138-04W3FE	1577 *	1851	45.9	36	53	.	.	.	.
PX1140F331-04W3FE	1577 *	1862	45.8	40	48	.	.	.	.
Armor 9371 B3XF	1574 *	1894	45.6	41	50	.	.	.	.
DP 2328 B3TXF	1566	1808	46.4	44	57	.	.	.	.
ST 4833AXTP	1554	1957	44.5	46	46	.	.	.	.
DG 4565 B3TXF	1551	1857	46.0	45	44	.	.	.	.
BX 2636AXTP	1542	1943	44.1	44	56	.	.	.	.
Armor 25X968 B3TXF	1542	1903	44.6	39	47	.	.	.	.
PX1150F360-04W3FE	1532	1867	44.6	39	49	.	.	.	.
PX1150H164-04W3FE	1530	1791	46.3	41	46	.	.	.	.
BX 2665AXTP	1523	1870	45.6	38	47	.	.	.	.
DG 3519 B3XF	1508	1916	44.3	40	48	.	.	.	.
DG 4434 B3TXF	1505	1796	45.8	42	46	.	.	.	.
ST 4215AXTP	1502	1950	44.4	37	52	.	.	.	.
24R6526B3TXF	1499	1707	46.5	41	43	.	.	.	.
PHY411W3FE	1498	1762	45.8	39	51	.	.	.	.
DP 2333 B3XF	1497	1740	46.9	43	47	.	.	.	.
DG 3528 B3XF	1496	1908	44.6	42	47	.	.	.	.
PX1150H167-04W3FE	1495	1783	45.3	37	54	.	.	.	.
PHY415W3FE	1492	1832	44.5	41	46	.	.	.	.
BX 2666AXTP	1491	1792	46.1	41	47	.	.	.	.
ST 6000AXTP	1491	1673	47.5	41	45	.	.	.	.
BX 2662AXTP	1484	1817	45.5	42	47	.	.	.	.
NG 5430 B3XF	1477	1871	44.1	42	40	.	.	.	.
Armor 9831 B3XF	1467	1843	44.9	40	37	.	.	.	.
ST 5855AXTP	1466	1592	48.0	41	46	.	.	.	.
BX 2660AXTP	1461	1589	46.6	44	38	.	.	.	.
DG 4547 B3TXF	1458	1674	46.8	41	51	.	.	.	.
BX 2643AXTP	1432	1754	45.2	45	55	.	.	.	.
ST 5931AXTP	1377	1793	44.2	41	40	.	.	.	.
DP 2522NR B3TXF	1373	1880	43.1	38	41	.	.	.	.
PHY 480 W3FE	1307	1671	44.3	40	40	.	.	.	.
PHY 500 W3FE	1284	1612	44.8	43	41	.	.	.	.
MEAN	1528	1828	45.7	41	48	.	.	.	.
C.V.(%)	6.3	.	.	.	.	.	.	.	.
BLSD(K=50)	85	.	.	.	.	.	.	.	.
S.E.	48.4	.	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

Based on data from 7 locations, [a] based on data from 5 locations

TABLE 10. Two-Year Statewide Average Performance of Cotton Varieties - 2024-2025

Variety	Lint Yield	Lint	Plant Height	Bolls Opened[a]	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	%	in.	%	in.	—	g/tex	—
DP 2127 B3XF	1539 **	46.3	41	54	.	.	.	.
DP 2537 B3TXF	1517 *	46.5	45	57	.	.	.	.
Armor 9371 B3XF	1509 *	45.9	41	57	.	.	.	.
DP 2038 B3XF	1497 *	48.5	43	54	.	.	.	.
PX1140F331-04W3FE	1481 *	46.2	40	55	.	.	.	.
AMX12526 B3XF	1478 *	46.4	39	60	.	.	.	.
PX1140F330-04W3FE	1470 *	45.6	39	58	.	.	.	.
ST 4833AXTP	1455	44.5	45	55	.	.	.	.
DP 2328 B3TXF	1430	46.5	43	60	.	.	.	.
DG 4434 B3TXF	1428	46.3	42	52	.	.	.	.
DG 3519 B3XF	1411	44.5	38	56	.	.	.	.
DP 2333 B3XF	1409	46.8	43	54	.	.	.	.
PX1150F360-04W3FE	1406	45.0	39	56	.	.	.	.
PHY415W3FE	1400	45.0	40	53	.	.	.	.
DG 3528 B3XF	1395	44.8	41	56	.	.	.	.
ST 5855AXTP	1390	48.1	41	52	.	.	.	.
ST 6000AXTP	1383	47.7	41	54	.	.	.	.
PHY411W3FE	1375	45.8	39	58	.	.	.	.
ST 4215AXTP	1364	44.5	36	58	.	.	.	.
ST 5931AXTP	1336	44.5	40	50	.	.	.	.
DP 2522NR B3TXF	1279	44.4	38	51	.	.	.	.
MEAN	1390	46	41	55				
C.V.(%)	6.9	.	.	.	.	.	.	.
ADJRSQ(%)	0.90	.	.	.	.	.	.	.
RootMS	99	.	.	.	.	.	.	.
S.E	31.3	.	.	.	.	.	.	.
Error d.f	180	.	.	.	.	.	.	.
BLSD(K=50)	76	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

Based on data from 10 environments, [a] based on data from 8 environments

TABLE 11. Three-Year Statewide Average Performance of Cotton Varieties - 2023-2025

Variety	Lint Yield	Lint	Plant Height	Bolls Opened[a]	UHM S.L.	Uniformity Index	Strength	Micronaire
	lb/acre	%	in.	%	in.	—	g/tex	—
DP 2127 B3XF	1458 **	46.7	40	51	.	.	.	.
Armor 9371 B3XF	1432 *	46.4	40	52	.	.	.	.
DP 2038 B3XF	1384	48.8	42	49	.	.	.	.
DP 2328 B3TXF	1378	47.0	42	57	.	.	.	.
DG 3528 B3XF	1345	45.6	40	54	.	.	.	.
PHY415W3FE	1343	45.8	39	52	.	.	.	.
DP 2333 B3XF	1341	47.2	42	51	.	.	.	.
DG 3519 B3XF	1338	45.2	37	52	.	.	.	.
PHY411W3FE	1319	46.4	37	55	.	.	.	.
MEAN	1350	47	40	53				
C.V.(%)	6.2	.	.	.	.	.	.	.
ADJRSQ(%)	0.93	.	.	.	.	.	.	.
RootMS	86	.	.	.	.	.	.	.
S.E	22.1	.	.	.	.	.	.	.
Error d.f	112	.	.	.	.	.	.	.
BLSD(K=50)	54	.	.	.	.	.	.	.

**Highest yielder. *Not significantly different from highest yielder.

Based on data from 15 environments, [a] based on data from 13 environments