

Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at the PDREC
located in Florence, SC, in 2021. Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PX 1150A450-04W3FE	2507	47.8	1.14	84.3	33.2	6.7	5.0
PHY 411W3FE	2486	47.9	1.08	84.1	32.2	6.7	4.7
BX 2297B3XF	2385	47.1	1.15	83.4	29.1	6.6	4.8
ARMOR 9831B3XF	2353	46.8	1.13	82.9	31.8	6.9	4.8
ST 4550GTLF	2322	47.9	1.13	84.6	31.6	6.9	4.9
PX 1140A383-04W3FE	2317	47.0	1.16	83.7	33.7	6.2	4.9
PX 1140A385-04W3FE	2293	48.2	1.14	84.7	33.2	7.6	5.0
DP 2141NRB3XF	2290	46.8	1.18	83.6	33.1	6.1	5.0
DP 2038B3XF	2279	49.5	1.10	82.3	29.8	6.2	4.8
BX 2296B3XF	2270	47.4	1.17	84.0	31.0	6.6	4.9
ST 4993B3XF	2262	45.8	1.14	84.0	30.8	6.9	5.1
PHY 500W3FE	2259	46.3	1.14	84.0	32.1	5.9	4.3
PHY 580W3FE	2231	47.9	1.14	84.2	31.2	6.4	4.8
BX 2298B3XF	2228	46.3	1.11	83.4	29.1	6.4	5.1
DG 3799B3XF	2199	45.5	1.14	82.7	30.8	6.6	4.5
DG 3456B3XF	2194	47.4	1.14	83.7	29.4	6.3	4.6
PHY 332W3FE	2152	45.9	1.18	83.7	32.3	6.4	4.9
DP 2020B3XF	2146	44.3	1.19	83.5	31.5	5.9	4.5
ST 4595B3FE	2138	46.8	1.19	83.4	31.0	6.8	4.6
DP 2127B3XF	2132	47.1	1.12	84.0	29.8	6.2	4.9
DG 3535B3XF	2124	46.6	1.16	83.3	30.8	6.0	4.7
PHY 400W3FE	2108	46.4	1.14	83.1	32.0	6.1	4.5
PHY 360W3FE	2091	45.6	1.13	83.3	30.1	5.8	5.0
DG 3570B3XF	2076	45.5	1.13	83.1	30.8	7.0	5.2
PHY 390W3FE	2033	45.8	1.17	83.4	32.8	5.9	4.4
PX 1130A329-04W3FE	2025	48.8	1.15	83.6	32.7	6.5	5.3
ST 5091B3XF	2013	47.1	1.11	82.1	28.2	6.0	4.6
PHY 350W3FE	2008	44.9	1.14	84.8	31.8	6.5	4.7
NG 4190B3XF	2008	46.2	1.20	85.4	30.8	6.2	4.5
NG 3299B3XF	2007	47.6	1.14	84.5	33.6	5.9	5.1
DP 2055B3XF	1989	46.4	1.22	83.2	31.4	6.9	4.8
PX 1150A452-04W3FE	1974	46.8	1.11	83.5	33.0	6.2	4.7
PHY 545W3FE	1953	47.7	1.10	83.1	31.2	6.7	4.7
ARMOR 9371B3XF	1948	47.3	1.12	83.3	29.7	6.1	4.7
DG 3615B3XF	1947	45.3	1.15	83.4	31.6	6.5	4.8
NG 4936B3XF	1937	44.1	1.21	84.6	31.2	6.9	4.6
DP 1646B2XF	1932	46.1	1.22	82.8	31.1	7.0	4.7
ARMOR 9608B3XF	1931	48.3	1.15	82.8	30.3	5.7	4.5
PHY 443W3FE	1931	47.1	1.11	84.5	33.3	6.3	5.0
ST 4990B3XF	1894	43.4	1.20	84.9	31.3	6.8	4.5
NG 5150B3XF	1892	45.9	1.15	84.2	30.2	6.0	4.7
PX 1150A453-04W3FE	1876	46.2	1.12	84.2	34.7	5.9	4.8
DP 2012B3XF	1866	43.9	1.17	83.5	31.1	5.7	4.8
DP 2115B3XF	1861	47.1	1.14	83.9	31.1	6.7	4.9
DP 1840B3XF	1823	44.5	1.21	82.9	32.6	6.6	4.5
NG 3195B3XF	1819	45.9	1.13	84.1	30.4	5.9	4.9
DG H959B3XF	1791	43.1	1.17	82.4	31.9	6.5	4.5
NG 3930B3XF	1737	44.5	1.15	83.7	30.3	6.2	4.7
NG 5711B3XF	1659	44.6	1.17	82.0	31.1	6.5	4.4
LSD (0.05)	329	0.8	0.03	1.3	1.2	0.3	0.3
C.V. (%)	11	1.3	1.98	1.1	2.7	3.1	4.6
Trial Mean	2071	46.4	1.15	83.6	31.4	6.4	4.8

Bold numbers are not statistically different at the 0.05 level of probability.

Location: Pee Dee Research & Education Center
Soil Type: Norfolk Loamy Sand
GPS Coordinates: lat: 34.296786 long: -79.744398
Planted: May 5, 2021
Harvested: October 13, 2021