

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

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PX 1150A450-04W3FE	2421	47.3	1.14	83.8	32.3	6.5	4.8
ST 4595B3FE	2385	46.9	1.19	83.3	30.4	7.0	4.6
ARMOR 9371B3XF	2380	47.8	1.15	85.0	30.4	6.4	4.9
DP 2038B3XF	2373	49.3	1.11	82.7	29.6	6.2	4.9
DG 3615B3XF	2350	46.8	1.15	83.6	31.3	6.6	5.0
ST 4550GTLP	2321	48.2	1.13	84.2	30.7	7.0	4.9
DP 2127B3XF	2302	48.2	1.14	85.1	30.4	6.3	5.3
ARMOR 9608B3XF	2294	48.4	1.16	83.2	29.9	6.0	4.6
BX 2297B3XF	2280	47.0	1.15	83.5	29.1	6.7	4.9
BX 2296B3XF	2235	47.8	1.17	84.1	31.1	6.8	5.1
DP 1840B3XF	2211	45.0	1.20	84.2	33.2	6.7	4.1
BX 2298B3XF	2211	46.3	1.15	84.2	30.4	6.5	4.9
DP 1646B2XF	2205	45.7	1.22	83.3	30.4	7.2	4.7
PHY 545W3FE	2175	48.5	1.12	83.7	31.1	6.8	4.8
ST 5091B3XF	2166	47.4	1.14	82.2	29.1	5.8	4.9
NG 5711B3XF	2140	44.9	1.20	83.3	31.7	6.6	4.4
NG 5150B3XF	2139	45.6	1.18	83.3	30.5	6.2	4.8
DG 3535B3XF	2123	46.3	1.17	83.5	30.0	5.9	4.9
PHY 411W3FE	2120	47.6	1.11	83.0	31.6	6.8	4.8
NG 4190B3XF	2112	46.0	1.20	84.3	31.2	6.2	4.8
PX 1140A383-04W3FE	2107	47.8	1.19	83.5	33.4	6.4	5.2
NG 3299B3XF	2089	47.5	1.15	84.4	34.1	6.1	5.2
PHY 332W3FE	2089	45.9	1.21	83.8	32.5	6.6	4.7
DP 2020B3XF	2084	44.5	1.18	83.9	31.7	5.7	4.8
DG 3570B3XF	2071	46.0	1.14	83.9	30.6	7.1	5.2
ST 4993B3XF	2061	46.3	1.14	83.8	31.8	6.9	5.4
DP 2012B3XF	2046	44.8	1.18	84.1	31.8	5.9	4.9
DP 2115B3XF	2045	47.0	1.15	84.4	30.9	7.0	5.0
ARMOR 9831B3XF	2039	46.4	1.14	83.0	32.9	6.9	5.2
PX 1140A385-04W3FE	2039	48.4	1.13	84.7	33.8	7.5	5.4
PX 1150A452-04W3FE	2030	47.1	1.11	84.5	33.6	6.0	4.8
ST 4990B3XF	2028	43.6	1.20	84.6	30.7	6.8	4.8
PHY 350W3FE	2026	45.1	1.15	83.9	31.9	6.5	4.7
PHY 400W3FE	2020	47.3	1.15	82.9	32.3	6.1	4.8
DP 2141NRB3XF	2018	47.1	1.15	83.7	32.9	6.4	5.4
DG H959B3XF	2012	43.8	1.17	83.8	31.9	6.8	4.7
DG 3799B3XF	2002	45.8	1.16	83.7	32.2	6.6	4.7
PHY 443W3FE	1999	47.5	1.12	83.6	32.2	6.6	4.9
PHY 580W3FE	1961	48.0	1.14	83.8	32.3	6.6	5.0
PHY 390W3FE	1940	46.7	1.15	83.3	30.6	6.0	4.6
DG 3456B3XF	1925	48.0	1.13	83.2	28.6	6.5	4.8
NG 4936B3XF	1918	43.4	1.24	84.5	30.7	7.1	4.6
DP 2055B3XF	1887	46.6	1.23	83.2	30.7	7.0	4.9
PHY 500W3FE	1870	46.5	1.14	84.0	33.5	5.8	4.8
NG 3195B3XF	1868	45.8	1.18	84.7	31.8	5.8	4.9
PHY 360W3FE	1782	45.7	1.13	83.1	30.9	5.7	5.3
PX 1150A453-04W3FE	1741	45.9	1.14	84.3	35.0	6.1	4.9
PX 1130A329-04W3FE	1737	48.5	1.15	83.8	32.8	6.5	5.4
NG 3930B3XF	1658	44.1	1.16	84.1	29.5	6.4	4.8
LSD (0.05)	343	3.4	0.04	1.1	1.5	0.3	0.4
C.V. (%)	12	1.6	2.28	1.0	3.5	3.4	5.9
Trial Mean	2082	46.6	1.16	83.8	31.4	6.5	4.9

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: 34.297497; long: -79.742630
Planted: May 4, 2021
Harvested: October 12, 2021