

Table 3. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2018. Early-Maturity Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
BX 1974GLTP	1816	45.9	1.173	84.9	29.6	5.5	3.9
ST 6182GLT	1808	47.5	1.188	85.1	29.1	4.8	3.8
NG 3729 B2XF	1754	42.9	1.213	85.6	29.7	5.7	4.3
BX 1973GLTP	1742	46.9	1.200	85.3	32.6	5.6	4.3
BX 1975GLTP	1712	45.9	1.183	84.4	29.7	5.6	4.1
ST 5818GLT	1700	43.4	1.168	84.1	30.1	4.0	4.0
PHY 430 W3FE	1699	45.6	1.145	84.8	31.3	4.8	3.7
PX3C06W3FE	1665	44.7	1.200	85.7	29.8	4.3	4.1
NG 4689 B2XF	1645	41.3	1.143	85.2	32.5	3.3	4.4
DP 1820 B3XF	1642	44.6	1.223	83.5	31.3	3.2	3.8
ST 5122GLT	1642	43.0	1.145	84.1	31.9	4.8	3.7
PX3B09W3FE	1641	45.4	1.175	83.0	31.1	4.0	3.8
PHY 350 W3FE	1639	43.1	1.193	85.4	31.3	4.9	3.6
CG 9178 B3XF	1624	44.7	1.185	85.4	31.8	4.2	4.0
PX3B07W3FE	1621	45.3	1.193	85.5	32.3	4.4	3.7
PHY 340 W3FE	1613	46.2	1.173	84.0	29.3	4.2	3.6
BX 1976GLTP	1603	44.5	1.165	84.5	30.0	3.8	3.9
PHY 330 W3FE	1602	46.4	1.169	85.2	29.6	3.9	3.9
MN 17R829B3XF	1594	45.2	1.193	83.8	30.2	3.4	4.1
DG 3214B2XF	1587	42.8	1.198	86.0	29.6	6.0	4.4
AMX 1801 B3XF	1574	42.5	1.208	85.4	29.6	5.2	4.0
ST 5471GLTP	1573	43.9	1.176	84.4	29.8	5.0	3.8
NG 4601 B2XF	1573	44.8	1.188	85.4	32.6	4.9	4.0
NG 3522 B2XF	1572	43.8	1.138	84.2	27.6	4.5	4.3
ST 5020GLT	1571	42.9	1.230	86.2	32.1	5.4	4.3
NG 3699 B2XF	1568	42.0	1.175	83.6	30.4	3.6	4.2
PHY 320 W3FE	1561	44.2	1.188	86.0	32.0	5.1	3.8
DP 1725 B2XF	1553	46.1	1.173	84.7	29.5	4.0	4.2
ST 4949GLT	1548	44.9	1.143	84.8	29.7	4.8	3.9
ST 5517GLTP	1543	41.8	1.193	84.0	31.4	4.6	3.8
PHY 580 W3FE	1500	45.9	1.168	85.3	31.6	4.8	3.9
NG 4777 B2XF	1495	42.0	1.190	84.9	31.6	2.8	4.2
ST 4848GLT	1476	44.9	1.178	85.6	29.7	4.7	4.0
PHY 530 W3FE	1452	44.5	1.185	85.6	31.0	4.6	3.7
MN 17R821B3XF	1448	46.3	1.180	84.5	29.1	6.5	4.0
NG 3780 B2XF	1427	42.5	1.203	84.5	31.2	5.0	4.3
PX5D28BW3FE	1418	44.6	1.193	85.9	33.0	3.8	3.5
PHY 480 W3FE	1413	44.6	1.170	85.5	29.8	5.9	3.6
PX4A64W3FE	1412	44.1	1.153	84.8	33.4	4.7	3.5
PX4A69W3FE	1372	46.0	1.181	84.3	29.8	4.5	3.3
PHY 440 W3FE	1285	45.5	1.220	84.9	32.3	4.0	3.6
PHY 300 W3FE	1279	44.9	1.168	84.7	28.9	4.0	3.5
LSD (0.05)	227	1.3	0.04	NS	1.4	0.6	0.4
C.V. (%)	10	2.0	2.22	1.6	3.3	7.9	7.3
Trial Mean	1571	44.9	1.18	84.9	30.7	4.6	3.9

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: 34.310308 long: -79.746394
 Planted: May 7, 2018
 Harvested: September 28, 2018