

Table 1. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2019. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DP 1646 B2XF	1483	47.4	1.14	82.5	27.1	7.0	5.0
DG 3520 B3XF	1471	44.3	1.17	83.7	30.5	7.2	4.2
NG 3729 B2XF	1408	44.4	1.10	81.9	27.9	6.8	5.0
DG 3530 B3XF	1394	48.9	1.10	82.5	29.4	6.2	5.2
CG 9178 B3XF	1389	48.7	1.08	82.0	29.5	5.8	4.9
DP 1916 B3XF	1365	47.7	1.10	81.7	27.5	6.2	4.8
PHY 500W3FE	1334	49.0	1.08	82.5	29.5	5.8	4.7
PX3D43W3FE	1318	48.7	1.05	82.0	28.8	6.1	5.0
PHY 400W3FE	1313	47.7	1.09	82.4	29.0	6.0	4.6
ST 5122GLT	1291	45.5	1.06	80.9	26.8	6.2	4.5
PHY 350 W3FE	1272	45.2	1.11	82.1	29.0	6.4	4.8
DP 1725 B2XF	1266	48.1	1.07	81.0	27.1	5.9	4.8
PX5C45W3FE	1259	49.2	1.07	81.3	27.5	6.4	4.5
ST 4550GLTP	1248	48.6	1.05	81.4	28.4	6.6	5.0
PX3D32W3FE	1240	47.3	1.11	82.3	29.4	6.4	4.7
NG 4689 B2XF	1238	43.8	1.06	81.5	28.2	5.3	4.9
PX5C05W3FE	1237	49.8	1.02	81.5	27.7	7.0	4.7
ST 5471GLTP	1233	44.1	1.07	81.1	27.9	6.1	4.7
PHY 580 W3FE	1213	47.8	1.06	80.8	28.5	6.6	4.6
PX5E34W3FE	1212	43.6	1.10	82.9	29.0	6.5	4.2
PHY 340 W3FE	1211	49.5	1.08	81.5	26.8	6.0	4.8
PHY 480 W3FE	1207	47.8	1.06	82.1	28.4	7.0	4.8
ST 5600B2XF	1170	46.4	1.08	81.6	28.7	6.6	5.4
PX5E28W3FE	1096	43.4	1.10	81.4	28.3	6.6	4.1
LSD (0.05)	221	1.7	0.04	1.4	1.4	0.3	0.3
C.V. (%)	12	2.5	2.3	1.2	3.5	3	3.8
Trial Mean	1286	46.9	1.08	81.9	28.4	6.3	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: 34.310866; long: -79.743927
 Planted: May 6, 2019
 Harvested: October 18, 2019

Table 2. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2019. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DGX 1901 GLTP	1590	47.6	1.10	82.0	28.2	6.5	4.9
DG 3520 B3XF	1516	44.1	1.16	82.8	29.2	7.0	4.3
PHY 500W3FE	1503	48.0	1.07	81.1	29.7	5.8	4.5
CG 3885 B2XF	1491	46.7	1.06	81.4	26.1	6.8	5.0
DGX 19731 GLTP	1484	44.5	1.18	82.0	28.9	6.5	4.5
DP 1835 B3XF	1469	47.0	1.09	80.4	27.7	5.8	4.6
ST 5707B2XF	1454	42.7	1.11	83.0	30.9	6.6	4.9
DP 1851 B3XF	1454	46.1	1.08	81.5	29.2	7.1	4.7
ST 6182GLT	1451	47.8	1.08	82.0	26.3	6.2	4.7
DP 1840 B3XF	1439	44.5	1.10	81.3	27.9	6.4	4.5
PHY 350 W3FE	1438	44.6	1.09	81.8	28.5	6.3	4.4
NG 5007 B2XF	1433	45.5	1.07	81.2	25.0	6.8	4.7
CG 9608 B3XF	1428	48.0	1.07	80.7	24.9	5.8	4.8
NG 5711 B3XF	1420	44.2	1.12	81.8	29.0	6.4	4.7
DG 3753 B3XF	1406	47.9	1.11	81.6	30.0	6.8	4.9
DG 3615 B3XF	1405	46.0	1.07	80.9	27.8	6.4	4.9
PX3D32W3FE	1404	47.0	1.13	81.6	29.8	6.4	4.5
PHY 340 W3FE	1396	47.8	1.09	81.0	28.1	6.1	4.5
DP 1646 B2XF	1384	46.2	1.12	81.1	27.4	6.6	4.7
PX3D43W3FE	1384	47.8	1.07	82.0	30.1	6.4	4.9
PHY 400W3FE	1377	45.9	1.10	81.1	27.9	6.1	4.4
ST 5818GLT	1369	43.4	1.09	80.4	27.7	5.8	4.5
PX5C05W3FE	1333	48.6	1.02	80.9	27.5	6.8	4.6
PX5E28W3FE	1331	43.3	1.08	81.7	28.9	6.5	4.2
PHY 580 W3FE	1323	48.4	1.07	81.4	28.2	6.6	4.5
ST 5600B2XF	1323	46.0	1.09	82.2	29.3	6.8	5.3
PX5C45W3FE	1311	47.0	1.05	80.9	27.5	6.6	4.4
ST 5471GLTP	1308	42.6	1.07	80.4	28.4	6.2	4.7
DG 3605 B2XF	1307	47.2	1.14	80.9	27.7	6.8	4.6
WU 19XG9 B3XF	1276	47.8	1.16	80.8	27.3	6.5	4.4
PHY 480 W3FE	1270	46.8	1.07	80.9	29.6	7.1	4.6
PHY 430W3FE	1243	47.8	1.05	81.5	29.0	6.6	4.6
DG 3570 B3XF	1236	45.4	1.04	80.9	26.2	6.7	4.9
PX5E34W3FE	1233	43.7	1.11	81.8	30.1	6.5	4.2
DG 18507-C B3XF	1211	45.4	1.04	80.4	26.9	6.9	4.7
NG 3522B2XF	1052	43.6	1.01	79.6	25.1	6.2	4.4
LSD (0.05)	200	1.4	0.04	1.4	1.5	0.3	0.3
C.V. (%)	10	2.1	2.30	1.2	3.9	3.1	4.6
Trial Mean	1374	46.0	1.09	81.3	28.1	6.5	4.6

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: 34.311282 long: -79.743412
 Planted: May 7, 2019
 Harvested: October 18, 2019

Table 3. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2019. Early-Maturity Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DP 1646 B2XF	1983	46.8	1.19	83.5	28.0	7.2	4.6
PX5C45W3FE	1871	47.2	1.10	82.2	28.8	6.4	4.2
PHY 580 W3FE	1863	46.7	1.14	82.5	28.7	6.3	4.2
CG 9178 B3XF	1853	46.3	1.12	82.5	28.9	5.8	4.9
PHY 500W3FE	1840	45.7	1.11	83.0	29.8	5.8	4.3
PHY 400W3FE	1820	46.0	1.16	82.4	30.4	5.9	4.3
PX3D32W3FE	1805	45.7	1.18	83.1	28.9	6.3	4.4
PX5E28W3FE	1804	42.8	1.16	83.3	29.9	6.4	3.8
ST 4550GLTP	1781	47.3	1.12	83.0	29.8	6.5	4.5
DP 1725 B2XF	1756	45.9	1.14	82.4	28.0	5.9	4.3
PHY 350 W3FE	1746	43.8	1.15	83.8	29.7	6.2	4.4
NG 3729 B2XF	1717	44.0	1.17	83.9	28.6	6.6	4.8
ST 5600B2XF	1712	45.4	1.14	83.0	28.8	6.7	4.8
ST 5471GLTP	1709	43.4	1.15	82.2	29.0	6.1	4.4
DG 3520 B3XF	1692	42.9	1.24	84.3	30.5	7.0	4.0
ST 5122GLT	1683	43.4	1.13	81.4	27.1	6.1	4.5
PHY 340 W3FE	1681	46.4	1.16	83.2	29.3	5.9	4.4
DP 1916 B3XF	1667	47.0	1.13	83.1	29.1	6.0	4.5
DG 3530 B3XF	1666	48.1	1.13	83.6	29.6	6.4	4.8
PHY 480 W3FE	1625	45.6	1.12	83.0	30.0	6.7	4.2
NG 4689 B2XF	1604	43.3	1.12	82.6	29.6	5.2	4.7
PX5E34W3FE	1538	41.7	1.15	83.3	29.8	6.4	3.8
PX3D43W3FE	1537	48.0	1.10	82.7	30.8	6.1	4.6
PX5C05W3FE	1439	47.5	1.08	81.6	28.4	6.9	4.5
LSD (0.05)	285	1.4	0.03	1.3	1.6	0.3	0.3
C.V. (%)	12	2.2	1.95	1.1	3.8	3.2	4.9
Trial Mean	1725	45.5	1.14	82.9	29.2	6.3	4.4

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 3, 2019
 Harvested: October 8, 2019

Table 4. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2019. Late-Maturity Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
CG 9608 B3XF	1963	47.6	1.12	82.5	25.8	5.9	4.3
DGX 19731 GLTP	1920	43.8	1.21	83.0	28.3	6.7	4.5
DP 1840 B3XF	1889	44.3	1.17	82.9	28.3	6.4	4.3
DP 1646 B2XF	1871	47.0	1.21	83.7	27.1	7.1	4.5
DGX 1901 GLTP	1871	48.1	1.11	82.5	27.4	7.0	4.6
DG 3615 B3XF	1823	46.3	1.12	82.6	28.0	6.5	4.7
PHY 400W3FE	1811	46.3	1.15	83.0	28.7	6.0	4.2
PX3D43W3FE	1775	46.9	1.13	83.0	30.0	6.5	4.4
PHY 340 W3FE	1714	46.9	1.13	83.4	28.5	6.2	4.5
CG 3885 B2XF	1700	46.8	1.10	83.3	26.6	7.1	4.8
NG 5007 B2XF	1694	45.1	1.13	82.1	26.0	6.9	4.6
ST 6182GLT	1679	48.0	1.13	82.7	26.8	6.4	4.5
DP 1851 B3XF	1677	45.9	1.16	83.2	30.5	7.2	3.9
ST 5600B2XF	1646	46.6	1.11	83.6	28.5	6.9	5.2
ST 5471GLTP	1633	43.7	1.13	81.9	28.3	6.2	4.5
PHY 500W3FE	1622	45.8	1.14	83.5	30.6	5.7	4.1
DP 1835 B3XF	1616	47.0	1.15	82.7	27.3	6.0	4.4
PHY 580 W3FE	1614	46.4	1.11	82.2	28.0	6.4	4.3
ST 5818GLT	1609	43.0	1.17	83.2	28.5	5.9	4.3
NG 5711 B3XF	1608	44.1	1.17	82.3	28.1	6.8	4.3
DG 3753 B3XF	1604	47.3	1.12	83.4	28.8	6.8	4.5
ST 5707B2XF	1586	40.2	1.16	83.5	30.8	6.4	4.5
WU 19XG9 B3XF	1578	48.7	1.24	83.8	28.3	6.5	4.3
PHY 480 W3FE	1576	45.8	1.11	83.6	28.5	6.9	4.3
PHY 430W3FE	1566	47.1	1.09	82.8	28.4	6.7	4.4
PX5C45W3FE	1565	45.9	1.10	82.5	28.5	6.5	4.1
DG 3570 B3XF	1558	44.8	1.12	83.1	27.4	7.0	4.8
PHY 350 W3FE	1549	43.7	1.15	83.4	27.7	6.3	4.4
PX5C05W3FE	1548	48.1	1.07	82.4	27.5	7.0	4.5
DG 3520 B3XF	1538	42.6	1.22	84.9	30.0	7.2	4.1
PX3D32W3FE	1537	44.7	1.17	82.5	29.2	6.5	4.3
DG 18507-C B3XF	1526	45.1	1.12	83.0	26.9	7.0	4.7
PX5E34W3FE	1481	41.7	1.17	84.0	29.9	6.5	3.7
NG 3522B2XF	1450	42.8	1.09	82.4	25.3	6.3	4.2
PX5E28W3FE	1426	42.7	1.14	82.8	29.6	6.6	3.7
DG 3605 B2XF	1377	45.5	1.22	83.4	27.5	6.9	4.4
LSD (0.05)	291	1.5	0.03	1.0	1.2	0.3	0.3
C.V. (%)	13	2.3	1.97	0.9	3.1	3.2	4.1
Trial Mean	1645	45.4	1.14	83.0	28.2	6.6	4.4

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: 34.310095; long: -79.746206
 Planted: May 3, 2019
 Harvested: October 9, 2019