

Table 7. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Lee County at St. Charles, 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
PX3D43W3FE	1265	45.6	1.07	82.2	31.0	6.5	4.8
DG 3520 B3XF	1163	42.5	1.18	84.7	31.7	7.3	4.2
DP 1916 B3XF	1157	44.2	1.11	82.1	30.9	6.2	4.9
DG 3530 B3XF	1137	46.2	1.15	83.1	31.7	6.7	5.0
PHY 500W3FE	1120	43.7	1.11	81.8	33.0	5.9	4.5
PHY 480 W3FE	1098	43.4	1.12	83.4	30.8	7.4	4.6
DP 1646 B2XF	1072	43.5	1.22	82.7	29.4	7.4	4.8
PHY 580 W3FE	1064	44.4	1.11	82.9	30.0	6.9	4.7
ST 5122GLT	1062	42.2	1.09	81.0	30.1	6.5	4.7
PX3D32W3FE	1061	44.1	1.14	82.7	31.4	6.7	4.5
CG 9178 B3XF	1057	44.2	1.09	81.9	30.9	6.1	4.9
NG 3729 B2XF	1050	40.8	1.12	83.1	29.2	7.1	4.8
PX5C45W3FE	1024	44.9	1.10	81.7	31.3	6.9	4.6
PX5C05W3FE	1015	45.2	1.05	82.1	29.0	7.2	4.7
ST 5471GLTP	1007	42.2	1.11	81.9	30.8	6.4	4.6
PHY 340 W3FE	1000	43.7	1.09	82.2	30.2	6.3	4.5
DP 1725 B2XF	978	45.6	1.09	81.2	28.9	6.1	4.8
PX5E34W3FE	974	40.3	1.15	82.5	32.2	6.8	4.1
ST 4550GLTP	963	45.8	1.10	81.6	30.2	7.2	4.7
PHY 400W3FE	962	44.0	1.09	82.2	29.9	6.3	4.5
NG 4689 B2XF	944	41.3	1.12	82.1	30.6	5.6	5.0
PX5E28W3FE	940	40.0	1.14	82.0	31.3	6.9	4.1
ST 5600B2XF	916	41.8	1.17	82.9	32.3	6.9	5.2
PHY 350 W3FE	878	42.3	1.10	82.0	29.5	6.6	4.4
LSD (0.05)	167	1.6	0.04	1.2	1.6	0.2	0.2
C.V. (%)	11	2.6	2.76	1.1	3.6	2.4	3.6
Trial Mean	1038	43.4	1.12	82.3	30.7	6.7	4.6

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

Location: Pete Player Farm, St. Charles, SC

Soil Type: Norfolk Sandy Loam

GPS Coordinates: lat: 34.098206; long: -80.228366

Planted: May 16, 2019

Harvested: October 7, 2019

Table 8. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Lee County at St. Charles, 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
WU 19XG9 B3XF	1231	46.3	1.22	82.7	30.1	6.6	4.7
DP 1835 B3XF	1197	42.9	1.14	81.3	30.6	5.8	4.7
ST 5471GLTP	1193	39.7	1.13	82.3	30.7	6.4	4.5
CG 9608 B3XF	1175	43.5	1.16	82.4	30.3	6.0	4.6
DP 1646 B2XF	1131	43.0	1.23	83.6	29.5	7.2	4.6
DG 3520 B3XF	1124	41.4	1.20	83.8	32.2	7.2	4.2
NG 5007 B2XF	1115	41.2	1.13	83.0	28.1	7.2	4.5
NG 5711 B3XF	1094	40.5	1.16	82.0	31.1	6.7	4.6
PX3D32W3FE	1084	42.6	1.17	83.5	32.8	6.8	4.6
DG 3753 B3XF	1082	43.1	1.13	83.2	32.1	7.3	4.6
ST 5818GLT	1080	40.3	1.15	82.6	30.6	6.0	4.5
DG 3615 B3XF	1078	40.1	1.16	82.8	32.2	6.7	4.4
ST 6182GLT	1075	44.2	1.11	82.6	28.4	6.5	4.8
PX5C45W3FE	1069	44.3	1.07	82.5	30.6	6.9	4.4
PHY 500W3FE	1048	42.1	1.12	81.6	32.6	6.3	4.6
PHY 580 W3FE	1037	42.2	1.11	83.0	31.7	6.6	4.6
CG 3885 B2XF	1031	41.3	1.11	83.3	28.9	7.2	4.5
PHY 480 W3FE	1022	40.7	1.13	83.5	30.6	7.1	4.4
PHY 400W3FE	1018	42.0	1.13	82.5	31.0	6.3	4.4
PX3D43W3FE	1014	43.2	1.10	83.0	31.1	6.6	4.8
PX5E34W3FE	991	40.1	1.14	83.1	32.2	7.0	4.2
DG 3605 B2XF	982	41.9	1.21	82.6	30.0	7.1	4.4
ST 5707B2XF	973	37.0	1.14	82.9	31.6	6.6	4.6
PX5C05W3FE	941	42.8	1.08	83.3	29.9	7.2	4.2
DG 18507-C B3XF	938	41.7	1.11	82.0	29.8	7.2	4.6
DG 3570 B3XF	930	42.0	1.07	81.6	29.0	7.1	4.9
DP 1840 B3XF	929	39.4	1.19	82.7	31.8	6.8	4.3
DGX 1901 GLTP	915	45.0	1.11	82.3	29.6	7.0	4.8
PX5E28W3FE	911	40.2	1.13	82.4	31.6	6.7	4.1
PHY 340 W3FE	906	41.8	1.14	83.1	31.0	6.3	4.5
DGX 19731 GLTP	874	41.0	1.15	81.6	30.9	6.8	4.6
PHY 430W3FE	867	42.5	1.10	83.1	32.1	6.5	4.3
PHY 350 W3FE	861	40.4	1.10	82.7	30.4	6.5	4.4
DP 1851 B3XF	855	40.5	1.16	82.7	33.4	7.5	4.5
ST 5600B2XF	823	38.4	1.15	83.0	31.9	7.0	4.9
NG 3522B2XF	808	39.9	1.07	80.9	27.7	6.4	4.4
LSD (0.05)	225	2.2	0.04	1.2	1.4	0.3	0.4
C.V. (%)	16	3.8	2.57	1.1	3.3	3.5	5.7
Trial Mean	1011	41.6	1.13	82.6	30.8	6.7	4.5

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

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