

Table 5. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Dillon County at Minturn, 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	1666	45.5	1.16	84.7	31.8	7.1	4.2
PX3D32W3FE	1401	43.3	1.21	84.3	31.0	7.4	3.9
ST 5471GLTP	1385	41.0	1.18	83.5	30.7	7.3	3.8
PX5E28W3FE	1369	41.8	1.19	83.9	30.3	7.3	3.6
DP 1725 B2XF	1340	45.7	1.17	83.4	29.8	6.7	4.1
ST 5122GLT	1329	42.3	1.18	83.1	30.4	7.4	3.9
PX5E34W3FE	1281	40.7	1.20	84.0	31.0	7.2	3.4
NG 4689 B2XF	1271	41.6	1.16	83.9	32.4	6.0	4.3
ST 4550GLTP	1266	45.5	1.16	84.0	30.9	8.0	3.9
PHY 480 W3FE	1224	43.9	1.17	84.8	29.0	7.8	4.0
DP 1646 B2XF	1222	44.5	1.24	83.4	29.2	8.0	3.8
PHY 400W3FE	1221	43.0	1.20	83.6	31.4	6.8	3.6
PHY 350 W3FE	1202	41.4	1.19	83.9	30.7	7.3	3.8
DG 3530 B3XF	1189	46.3	1.20	85.2	30.3	7.5	4.4
PX5C05W3FE	1187	46.8	1.14	84.2	30.8	7.6	4.0
NG 3729 B2XF	1183	40.6	1.20	83.7	30.3	7.6	4.1
CG 9178 B3XF	1183	43.6	1.17	84.2	31.8	6.6	4.0
PHY 500W3FE	1153	44.4	1.20	84.1	32.7	6.8	3.9
DP 1916 B3XF	1151	43.4	1.18	84.5	32.2	6.8	3.7
PX5C45W3FE	1065	44.5	1.14	84.0	29.9	7.2	3.9
PHY 580 W3FE	1036	44.6	1.16	83.9	30.9	7.4	3.9
ST 5600B2XF	1025	43.7	1.17	84.1	30.2	7.9	4.5
PHY 340 W3FE	999	43.9	1.16	82.8	30.0	7.0	3.7
DG 3520 B3XF	967	40.0	1.29	85.4	31.3	7.7	3.3
LSD (0.05)	204	1.6	0.03	1.0	1.3	0.4	0.3
C.V. (%)	12	2.5	1.86	0.8	2.9	3.5	5.9
Trial Mean	1222	43.4	1.18	84.0	30.8	7.3	3.9

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

Location: Baxley Farm, Minturn, SC

Soil Type: Dunbar fine Sandy Loam/Varina Sandy Loam

GPS Coordinates: lat: 34.475424; long: -79.450411

Planted: May 14, 2019

Harvested: October 24, 2019

Table 6. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Dillon County at Minturn, 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
PX3D32W3FE	1463	43.6	1.22	84.0	31.9	7.0	4.0
PX3D43W3FE	1437	45.6	1.16	84.5	32.4	6.9	4.2
PX5E34W3FE	1308	41.2	1.21	84.7	31.5	7.0	3.5
ST 5818GLT	1280	41.6	1.22	84.1	30.7	6.5	4.0
PX5E28W3FE	1235	42.4	1.18	84.5	31.4	6.9	3.7
ST 5471GLTP	1173	42.1	1.18	83.7	30.9	6.9	3.8
DP 1646 B2XF	1155	45.4	1.27	85.2	29.0	7.5	3.9
PHY 400W3FE	1142	44.1	1.19	84.5	31.7	6.6	3.7
CG 3885 B2XF	1142	43.2	1.15	85.5	28.8	7.8	4.1
ST 6182GLT	1129	47.6	1.16	83.9	29.4	6.7	4.1
DGX 19731 GLTP	1118	42.5	1.28	84.4	30.1	7.4	4.1
DG 3615 B3XF	1107	43.4	1.21	84.5	30.9	7.0	3.7
NG 5711 B3XF	1103	42.7	1.26	84.8	30.3	7.2	3.8
DG 3570 B3XF	1093	43.0	1.15	84.5	30.1	7.6	4.5
WU 19XG9 B3XF	1083	45.8	1.28	84.3	30.0	6.8	3.7
PHY 500W3FE	1080	44.3	1.18	84.0	32.6	6.1	3.8
PHY 480 W3FE	1066	43.6	1.16	84.6	29.4	7.6	3.8
ST 5707B2XF	1064	38.9	1.18	84.3	33.0	6.8	4.1
PHY 580 W3FE	1041	45.5	1.16	84.2	29.9	7.2	3.9
DG 18507-C B3XF	1037	44.1	1.15	84.1	28.8	7.5	4.2
PHY 430W3FE	1033	43.8	1.13	83.9	30.5	7.0	3.8
CG 9608 B3XF	1032	44.6	1.18	83.8	30.4	6.4	4.0
DG 3605 B2XF	1027	44.6	1.27	84.1	29.3	7.4	4.0
NG 3522B2XF	1024	42.5	1.12	83.6	28.0	6.9	4.0
DP 1851 B3XF	1018	44.0	1.20	84.5	32.6	7.9	3.6
DGX 1901 GLTP	1014	46.5	1.17	84.1	29.8	7.9	4.0
NG 5007 B2XF	1001	43.8	1.18	84.4	28.5	7.6	4.0
DG 3520 B3XF	992	40.9	1.28	85.5	31.0	7.5	3.5
PX5C45W3FE	957	45.6	1.17	84.0	30.0	7.2	3.9
PHY 340 W3FE	947	43.7	1.17	84.0	30.5	6.7	3.7
ST 5600B2XF	934	44.8	1.20	84.6	30.9	7.3	4.5
PX5C05W3FE	927	45.7	1.13	84.5	29.8	7.4	4.0
PHY 350 W3FE	924	40.0	1.18	83.8	30.5	7.1	3.8
DG 3753 B3XF	909	46.0	1.17	84.4	31.6	7.6	4.1
DP 1840 B3XF	902	42.1	1.24	84.0	30.1	7.0	4.1
DP 1835 B3XF	899	45.0	1.20	84.5	30.8	6.3	3.9
LSD (0.05)	218	1.5	0.03	1.1	1.2	0.4	0.2
C.V. (%)	15	2.4	1.62	0.9	2.8	3.7	4.3
Trial Mean	1078	43.7	1.19	84.3	30.5	7.1	3.9

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

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