

Table 1. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2018. 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 1820 B3XF | 1404 | 47.8 | 1.223 | 84.2 | 29.9 | 3.2 | 4.3 |
| PX3B09W3FE | 1243 | 47.3 | 1.165 | 84.0 | 31.4 | 3.9 | 4.3 |
| PHY 340 W3FE | 1206 | 46.8 | 1.163 | 84.7 | 30.2 | 4.1 | 4.4 |
| PHY 330 W3FE | 1149 | 47.5 | 1.155 | 83.6 | 29.0 | 3.8 | 4.3 |
| PHY 580 W3FE | 1147 | 48.5 | 1.153 | 84.0 | 29.8 | 5.0 | 4.3 |
| NG 3522 B2XF | 1117 | 45.5 | 1.125 | 83.5 | 27.3 | 4.1 | 4.5 |
| ST 5122GLT | 1114 | 45.0 | 1.160 | 83.0 | 30.4 | 4.6 | 4.4 |
| PHY 300 W3FE | 1110 | 47.5 | 1.153 | 83.7 | 30.1 | 4.3 | 4.5 |
| ST 4848GLT | 1104 | 46.0 | 1.170 | 84.8 | 28.8 | 4.5 | 4.7 |
| PX5D28BW3FE | 1097 | 42.8 | 1.198 | 85.6 | 33.4 | 3.8 | 3.8 |
| PHY 430 W3FE | 1082 | 46.3 | 1.135 | 83.4 | 31.0 | 4.8 | 4.3 |
| PHY 320 W3FE | 1076 | 45.0 | 1.163 | 84.8 | 31.0 | 5.0 | 4.4 |
| PHY 440 W3FE | 1074 | 45.3 | 1.258 | 85.6 | 32.7 | 4.3 | 3.9 |
| AMX 1801 B3XF | 1074 | 44.3 | 1.218 | 86.0 | 28.8 | 5.7 | 4.5 |
| ST 5818GLT | 1060 | 43.5 | 1.165 | 83.1 | 31.5 | 3.7 | 4.1 |
| ST 5517GLTP | 1059 | 43.3 | 1.173 | 83.8 | 31.1 | 4.4 | 4.3 |
| PX3C06W3FE | 1053 | 46.5 | 1.150 | 82.6 | 29.4 | 3.9 | 4.9 |
| NG 3729 B2XF | 1053 | 44.0 | 1.203 | 86.2 | 29.6 | 5.8 | 4.7 |
| ST 5471GLTP | 1042 | 44.3 | 1.208 | 84.4 | 31.6 | 4.6 | 4.4 |
| NG 4689 B2XF | 1039 | 44.8 | 1.133 | 82.8 | 30.3 | 2.8 | 4.7 |
| PHY 350 W3FE | 1037 | 44.8 | 1.208 | 85.3 | 30.4 | 5.1 | 4.5 |
| MN 17R829B3XF | 1034 | 46.0 | 1.145 | 83.3 | 27.5 | 3.1 | 4.3 |
| PX4A64W3FE | 1025 | 45.0 | 1.168 | 86.0 | 32.9 | 5.0 | 4.1 |
| ST 4949GLT | 1014 | 46.3 | 1.138 | 84.1 | 28.7 | 5.1 | 4.5 |
| BX 1974GLTP | 1006 | 47.8 | 1.198 | 84.1 | 29.5 | 4.8 | 4.5 |
| BX 1973GLTP | 989 | 48.3 | 1.153 | 83.5 | 32.0 | 4.9 | 4.6 |
| NG 3699 B2XF | 986 | 44.0 | 1.170 | 82.7 | 29.4 | 3.5 | 4.5 |
| PHY 530 W3FE | 985 | 44.8 | 1.168 | 84.2 | 30.1 | 4.5 | 4.3 |
| PHY 480 W3FE | 981 | 44.3 | 1.153 | 83.8 | 30.3 | 5.9 | 3.9 |
| DG 3214B2XF | 981 | 45.0 | 1.163 | 83.9 | 29.4 | 5.9 | 4.7 |
| NG 4601 B2XF | 975 | 46.0 | 1.213 | 85.9 | 32.7 | 4.9 | 4.7 |
| PX3B07W3FE | 950 | 46.0 | 1.190 | 84.9 | 31.5 | 4.3 | 4.5 |
| NG 4777 B2XF | 948 | 42.5 | 1.150 | 83.2 | 30.9 | 2.7 | 4.4 |
| BX 1976GLTP | 933 | 44.3 | 1.173 | 84.8 | 31.5 | 3.4 | 4.5 |
| DP 1725 B2XF | 933 | 47.5 | 1.153 | 81.7 | 28.6 | 3.6 | 4.3 |
| NG 3780 B2XF | 931 | 43.8 | 1.168 | 83.2 | 30.0 | 4.8 | 4.5 |
| PX4A69W3FE | 926 | 45.5 | 1.203 | 84.5 | 30.2 | 4.2 | 3.6 |
| ST 6182GLT | 917 | 48.5 | 1.178 | 84.6 | 29.2 | 4.2 | 4.6 |
| CG 9178 B3XF | 909 | 45.3 | 1.178 | 84.9 | 31.5 | 4.0 | 4.5 |
| MN 17R821B3XF | 883 | 46.3 | 1.128 | 83.2 | 28.5 | 6.3 | 4.5 |
| BX 1975GLTP | 802 | 46.5 | 1.153 | 82.7 | 29.5 | 5.1 | 4.8 |
| ST 5020GLT | 741 | 44.8 | 1.190 | 83.0 | 30.3 | 5.0 | 4.5 |
| LSD (0.05) | 203 | 1.9 | 0.04 | 1.7 | 1.4 | 0.5 | 0.2 |
| C.V. (%) | 14 | 3.0 | 2.37 | 1.5 | 3.3 | 8.3 | 3.8 |
| Trial Mean | 1028 | 45.6 | 1.17 | 84.1 | 30.3 | 4.4 | 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: 34.310866; long: -79.743927
 Planted: May 9, 2018
 Harvested: October 16, 2018