

Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties
Grown in Calhoun County at Ft. Motte, SC, in 2014. Early-Maturity Dryland OVT. M. Jones.

| Variety | Lint Yield lb/acre | Gin Turnout % | Fiber Length in. | Fiber Uniformity % | Fiber Strength g/tex | Elongation | Micronaire |
|----------------|-----------------------|------------------|---------------------|-----------------------|-------------------------|------------|------------|
| PHY 427WRF | 1194 | 43.5 | 1.10 | 83.2 | 32.3 | 8.6 | 4.6 |
| BX 1531GLT | 1193 | 48.0 | 1.10 | 82.4 | 29.5 | 8.8 | 4.6 |
| PX 49936W3RF | 1135 | 46.6 | 1.08 | 82.6 | 33.6 | 8.8 | 4.8 |
| PHY 575WRF | 1123 | 41.7 | 1.16 | 82.3 | 31.7 | 9.2 | 4.2 |
| BX 1532GLT | 1102 | 47.5 | 1.12 | 83.1 | 30.0 | 7.5 | 4.8 |
| DPL 1028B2RF | 1086 | 44.8 | 1.12 | 83.3 | 30.7 | 9.1 | 4.6 |
| PHY 333WRF | 1086 | 44.3 | 1.11 | 82.7 | 30.6 | 7.1 | 4.4 |
| PHY 417WRF | 1084 | 44.6 | 1.10 | 82.7 | 32.4 | 8.5 | 4.3 |
| ST 4946GLB2 | 1077 | 43.4 | 1.12 | 83.4 | 33.5 | 8.5 | 4.5 |
| NG 1511B2RF | 1075 | 44.5 | 1.08 | 83.0 | 31.8 | 9.0 | 4.9 |
| PHY 487WRF | 1070 | 43.3 | 1.07 | 82.6 | 31.2 | 8.5 | 4.7 |
| DPL 1137B2RF | 1069 | 45.6 | 1.13 | 82.5 | 31.3 | 8.9 | 4.7 |
| DPL 1321B2RF | 1068 | 44.5 | 1.11 | 83.4 | 33.0 | 9.3 | 4.9 |
| PHY 499WRF | 1053 | 45.4 | 1.08 | 81.7 | 34.0 | 9.2 | 4.7 |
| DPL 0912B2RF | 1052 | 42.7 | 1.10 | 82.6 | 31.4 | 7.8 | 4.8 |
| PHY 312WRF | 1037 | 43.9 | 1.13 | 83.5 | 32.7 | 6.9 | 4.6 |
| BX 1534GLT | 1022 | 43.6 | 1.11 | 82.6 | 31.2 | 7.9 | 4.5 |
| DPL 1252BRF | 1019 | 46.2 | 1.12 | 82.1 | 31.2 | 9.5 | 4.4 |
| PX 3003-14WRF | 1009 | 43.0 | 1.08 | 82.3 | 31.6 | 7.3 | 4.7 |
| BX 1533GLT | 990 | 43.1 | 1.14 | 82.9 | 33.8 | 8.0 | 4.5 |
| PHY 495W3RF | 979 | 45.1 | 1.08 | 83.0 | 33.7 | 9.0 | 4.6 |
| ST 5032GLT | 968 | 42.9 | 1.12 | 82.7 | 32.0 | 8.4 | 4.4 |
| DG CT14515B2RF | 966 | 44.2 | 1.11 | 82.7 | 33.2 | 8.4 | 4.7 |
| PX 375-05W3RF | 963 | 43.3 | 1.11 | 82.3 | 28.6 | 7.5 | 4.4 |
| FM 1944GLB2 | 951 | 42.1 | 1.14 | 82.4 | 30.5 | 5.9 | 4.6 |
| PHY 444WRF | 931 | 43.9 | 1.19 | 83.5 | 32.1 | 7.9 | 4.1 |
| PX 49907W3RF | 918 | 41.1 | 1.10 | 83.5 | 32.4 | 8.8 | 4.8 |
| DG CT13442B2RF | 888 | 43.6 | 1.11 | 82.6 | 31.7 | 8.8 | 4.4 |
| MON 12R224B2R2 | 870 | 41.8 | 1.14 | 83.2 | 31.3 | 7.6 | 4.5 |
| PHY 339WRF | 864 | 42.4 | 1.13 | 83.2 | 31.8 | 7.7 | 4.2 |
| PX 375-02W3RF | 858 | 43.6 | 1.11 | 82.1 | 30.0 | 7.6 | 4.2 |
| ST 4747GLB2 | 818 | 41.8 | 1.14 | 82.6 | 28.1 | 6.6 | 4.4 |
| LSD (0.05) | 133 | 1.4 | 0.04 | NS | 1.3 | 0.8 | 0.3 |
| C.V. (%) | 11 | 2.8 | 2.83 | 1.2 | 3.6 | 8.2 | 6.1 |
| Trial Mean | 1016 | 43.9 | 1.11 | 82.8 | 31.6 | 8.2 | 4.5 |

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