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| University of Missouri -FDRC | | | | | | | | | | |
| Senath Official Cotton Variety Trial | | | | | | | | | | |
| Location: Senath, MO / Charles Parker, Cooperator | | | | | | | | | | |
| Investigators: Dr. Gene Stevens / Matthew Rhine | | | | | | | | | | |
| Planted May 17, 2017 | | | | | | | | | | |
| Harvested October 25, 2017 | | | | | | | | | | |

| Cultivar | Lint Yld (lb/ac) | Turnout | MIC | LENGTH | UNIF. | STRENGTH | ELON. | Rd | +b | LEAF |
|---------------------|------------------|---------|------|--------|-------|----------|-------|------|-----|------|
| DP 1823NR B2XF | 2089 | 0.40 | 4.25 | 1.26 | 84.2 | 31.4 | 6.9 | 77.8 | 7.9 | 4.5 |
| PX3A99W3FE | 2005 | 0.37 | 4.51 | 1.25 | 84.2 | 30.9 | 5.9 | 78.7 | 8.2 | 3.3 |
| DP 1725 B2XF | 1972 | 0.41 | 4.56 | 1.24 | 83.6 | 31.3 | 5.3 | 79.5 | 7.9 | 2.5 |
| PHY 312 WRF | 1944 | 0.38 | 4.66 | 1.27 | 85.5 | 30.9 | 5.9 | 78.3 | 7.8 | 4.3 |
| DP 1614 B2XF | 1939 | 0.40 | 5.00 | 1.28 | 84.0 | 29.8 | 6.4 | 76.9 | 8.2 | 4.5 |
| PHY 300 W3FE | 1890 | 0.39 | 4.57 | 1.23 | 83.9 | 31.1 | 6.2 | 78.7 | 8.1 | 3.0 |
| PX4A57W3FE | 1850 | 0.39 | 4.10 | 1.18 | 84.1 | 31.8 | 6.7 | 77.0 | 8.6 | 4.3 |
| PHY 330 W3FE | 1848 | 0.39 | 4.49 | 1.24 | 84.5 | 31.5 | 5.6 | 77.4 | 8.3 | 5.0 |
| DP 1820 B3XF | 1821 | 0.40 | 4.89 | 1.32 | 84.9 | 34.7 | 4.6 | 79.2 | 7.6 | 3.5 |
| DP 1612 B2XF | 1818 | 0.37 | 4.76 | 1.26 | 84.2 | 31.7 | 7.7 | 77.3 | 7.9 | 4.5 |
| Winfield 17XC8 B3XF | 1815 | 0.41 | 4.69 | 1.25 | 83.2 | 31.0 | 5.4 | 77.5 | 8.1 | 4.0 |
| ST 4946GLB2 | 1808 | 0.37 | 4.72 | 1.23 | 83.6 | 32.5 | 6.8 | 77.9 | 8.1 | 3.8 |
| ST 5517GLTP | 1806 | 0.37 | 4.31 | 1.24 | 82.8 | 31.8 | 6.4 | 80.2 | 7.4 | 3.0 |
| PX3A82W3FE | 1787 | 0.37 | 4.24 | 1.22 | 84.6 | 33.2 | 7.1 | 79.0 | 7.9 | 4.0 |
| ST 4949GLT | 1786 | 0.41 | 4.72 | 1.21 | 84.1 | 31.0 | 6.1 | 77.8 | 8.2 | 4.3 |
| NG 3406 B2XF | 1782 | 0.38 | 4.75 | 1.22 | 83.8 | 30.2 | 7.3 | 78.2 | 7.9 | 3.8 |
| CG 3475 B2XF | 1763 | 0.38 | 4.88 | 1.23 | 83.9 | 32.3 | 6.9 | 77.1 | 8.1 | 4.5 |
| PX3A96W3FE | 1759 | 0.37 | 4.50 | 1.24 | 83.9 | 30.3 | 6.4 | 79.4 | 8.0 | 3.3 |
| CPS16214 B2XF | 1753 | 0.38 | 4.83 | 1.27 | 84.8 | 30.5 | 6.8 | 77.3 | 7.9 | 4.5 |
| PHY 440 W3FE | 1734 | 0.37 | 3.65 | 1.30 | 83.4 | 33.0 | 5.0 | 78.3 | 8.3 | 3.8 |
| DP 1518 B2XF | 1729 | 0.37 | 4.41 | 1.26 | 83.8 | 30.0 | 5.4 | 78.7 | 7.8 | 4.8 |
| ST 5020GLT | 1727 | 0.37 | 4.46 | 1.29 | 84.2 | 32.1 | 6.3 | 76.9 | 7.8 | 5.5 |
| DP 1522 B2XF | 1698 | 0.38 | 5.04 | 1.22 | 84.0 | 30.9 | 7.3 | 77.8 | 7.9 | 4.5 |
| PX4A54W3FE | 1691 | 0.38 | 4.30 | 1.22 | 84.0 | 32.0 | 6.1 | 77.6 | 8.6 | 3.8 |
| CG 3572 B2XF | 1685 | 0.40 | 5.04 | 1.28 | 84.2 | 30.2 | 6.0 | 76.9 | 8.5 | 3.5 |
| ST 4848GLT | 1684 | 0.39 | 4.80 | 1.24 | 83.7 | 31.4 | 6.0 | 77.6 | 8.2 | 4.8 |
| PHY 340 W3FE | 1652 | 0.38 | 4.33 | 1.26 | 83.9 | 31.7 | 5.5 | 78.0 | 8.3 | 3.8 |

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| PHY 444 WRF | 1650 | 0.38 | 3.99 | 1.34 | 83.9 | 32.1 | 5.1 | 79.5 | 8.2 | 3.0 |
| DG 3109 B2XF | 1635 | 0.37 | 4.59 | 1.27 | 84.3 | 32.1 | 6.3 | 77.3 | 7.8 | 4.8 |
| NG 3699 B2XF | 1606 | 0.36 | 4.53 | 1.29 | 83.5 | 32.3 | 4.9 | 77.4 | 8.4 | 4.0 |
| DG 3385 B2XF | 1588 | 0.38 | 4.82 | 1.23 | 84.6 | 29.9 | 7.4 | 78.7 | 8.4 | 2.3 |
| NG 4601 B2XF | 1544 | 0.40 | 4.90 | 1.25 | 83.4 | 31.3 | 5.5 | 78.9 | 8.3 | 3.5 |
| NG 3522 B2XF | 1530 | 0.38 | 4.64 | 1.20 | 84.0 | 29.8 | 6.1 | 79.0 | 8.3 | 2.0 |
| CPS17330 B3XF | 1491 | 0.42 | 4.39 | 1.27 | 84.3 | 33.0 | 5.9 | 77.9 | 8.3 | 3.5 |
| PX2A28W3FE | 1484 | 0.37 | 3.99 | 1.27 | 82.9 | 32.6 | 4.6 | 79.5 | 7.4 | 3.8 |
| PHY 480 W3FE | 1469 | 0.37 | 4.10 | 1.25 | 84.4 | 30.4 | 6.3 | 77.5 | 8.3 | 4.0 |
| CPS 161206D B2XF | 1430 | 0.39 | 4.96 | 1.31 | 85.1 | 33.8 | 5.8 | 75.3 | 8.4 | 5.3 |
| UA 222 | 1370 | 0.35 | 4.84 | 1.28 | 84.7 | 31.1 | 7.2 | 78.6 | 8.0 | 4.0 |
| BRS-335 | 1210 | 0.36 | 4.38 | 1.25 | 83.9 | 31.3 | 5.5 | 78.9 | 7.9 | 4.5 |
| PHY 490 W3FE | 1184 | 0.37 | 4.53 | 1.24 | 84.7 | 33.7 | 6.3 | 78.1 | 8.2 | 4.0 |
| PHY 450 W3FE | 1171 | 0.37 | 4.74 | 1.23 | 85.1 | 33.7 | 6.4 | 76.3 | 8.7 | 3.8 |
| BRS-293 | 992 | 0.35 | 4.82 | 1.23 | 83.8 | 33.8 | 6.0 | 76.7 | 8.6 | 3.0 |
| BRS-286 | 758 | 0.34 | 4.50 | 1.24 | 83.8 | 33.7 | 4.9 | 77.0 | 8.3 | 4.0 |
| Grand Mean | <i>1654</i> | <i>0.38</i> | <i>4.56</i> | <i>1.25</i> | <i>84.1</i> | <i>31.7</i> | <i>6.1</i> | <i>78.0</i> | <i>8.1</i> | <i>3.9</i> |
| LSD ($\alpha = 0.05$) | <i>311</i> | <i>0.01</i> | <i>0.26</i> | <i>0.03</i> | <i>0.9</i> | <i>1.3</i> | <i>0.7</i> | <i>1.1</i> | <i>0.3</i> | <i>1.5</i> |
| CV (%) | <i>13.4</i> | <i>2.1</i> | <i>4.0</i> | <i>1.5</i> | <i>0.8</i> | <i>2.9</i> | <i>8.0</i> | <i>1.0</i> | <i>2.9</i> | <i>27.4</i> |