

Plains, Georgia:
Earlier Maturity Cotton Variety Performance, 2006, Irrigated

| Variety | Lint Yield lb/acre | Lint % | Uniformity | Length* inches | Strength* g/tex | Micronaire* units |
|---------------------|-----------------------|-----------|-------------|-------------------|--------------------|----------------------|
| | | | Index* % | | | |
| DP 454 BG/RR | 2116 | 45.1 | 84.1 | 1.16 | 27.6 | 4.3 |
| DX25105N | 2037 | 44.7 | 84.0 | 1.17 | 28.8 | 4.8 |
| PHY425RF | 1974 | 42.7 | 84.5 | 1.20 | 28.6 | 4.9 |
| PHY485WRF | 1973 | 42.6 | 84.5 | 1.20 | 29.8 | 4.8 |
| PHY470WR | 1954 | 41.9 | 84.2 | 1.14 | 27.5 | 4.5 |
| ST4427B2RF | 1929 | 41.8 | 83.7 | 1.13 | 29.1 | 4.8 |
| PHY480WR | 1928 | 41.4 | 84.8 | 1.19 | 30.0 | 4.6 |
| DP 110 RF | 1903 | 42.9 | 84.7 | 1.21 | 32.5 | 4.5 |
| PHY370WR | 1855 | 42.7 | 84.1 | 1.11 | 29.1 | 4.9 |
| FM960BR | 1794 | 41.3 | 83.7 | 1.17 | 33.4 | 4.1 |
| FM960B2R | 1790 | 41.1 | 83.5 | 1.19 | 32.0 | 4.4 |
| FM966LL | 1789 | 41.1 | 83.6 | 1.16 | 32.4 | 4.5 |
| FM965LLB2 | 1775 | 39.8 | 84.0 | 1.20 | 33.0 | 4.2 |
| PHY310R | 1773 | 43.1 | 83.0 | 1.12 | 29.1 | 4.8 |
| DP 117 B2RF | 1750 | 41.1 | 84.1 | 1.19 | 32.3 | 4.5 |
| ST 5242BR | 1729 | 42.7 | 84.3 | 1.15 | 26.2 | 4.4 |
| DP 455 BG/RR | 1725 | 43.2 | 82.2 | 1.12 | 30.0 | 4.0 |
| ST 4575BR | 1713 | 42.6 | 82.9 | 1.10 | 26.6 | 4.6 |
| GA2002212 | 1707 | 44.2 | 83.5 | 1.19 | 31.2 | 4.8 |
| FM9068F | 1707 | 41.9 | 84.1 | 1.22 | 30.9 | 4.2 |
| FM9063B2F | 1696 | 40.2 | 83.8 | 1.25 | 29.9 | 4.2 |
| ST 4554B2RF | 1683 | 40.5 | 83.5 | 1.10 | 28.2 | 4.7 |
| FM9060F | 1662 | 42.4 | 84.6 | 1.26 | 29.8 | 4.1 |
| DP 143 B2RF | 1652 | 40.9 | 82.6 | 1.26 | 27.4 | 4.1 |
| BW-4630B2F | 1647 | 40.2 | 84.1 | 1.18 | 27.5 | 4.6 |
| DP 147 RF | 1615 | 40.8 | 84.5 | 1.25 | 30.2 | 4.0 |
| GA2003156 | 1608 | 43.1 | 84.8 | 1.18 | 32.3 | 5.0 |
| GA2002167 | 1604 | 43.5 | 83.8 | 1.20 | 30.3 | 4.5 |
| DP 432 RR | 1579 | 42.4 | 84.0 | 1.14 | 28.3 | 4.6 |
| DynaGro 2520B2RF | 1568 | 40.0 | 84.0 | 1.18 | 27.3 | 4.2 |
| DP 434 RR | 1563 | 42.1 | 84.7 | 1.19 | 26.2 | 4.2 |
| DPLX06W650F | 1548 | 43.5 | 85.0 | 1.20 | 29.0 | 4.2 |
| DP 121 RF | 1547 | 42.5 | 85.0 | 1.16 | 29.4 | 4.7 |
| ST 4357B2RF | 1486 | 39.8 | 83.2 | 1.14 | 26.7 | 4.4 |
| BW-8391B2F | 1479 | 37.3 | 83.5 | 1.17 | 27.2 | 4.2 |
| ST 4664RF | 1472 | 42.0 | 82.3 | 1.10 | 27.0 | 4.5 |
| DP 444 BG/RR | 1460 | 41.9 | 83.3 | 1.12 | 27.7 | 4.4 |
| GA2002209 | 1454 | 42.5 | 82.9 | 1.13 | 29.3 | 4.8 |
| DynaGro 060642B2/RF | 1445 | 38.7 | 82.5 | 1.09 | 26.6 | 3.9 |
| BW-4021B2F | 1436 | 38.6 | 82.7 | 1.13 | 25.4 | 4.0 |
| CG4020B2RF | 1429 | 39.2 | 82.9 | 1.13 | 24.4 | 4.1 |
| CG3020B2RF | 1425 | 37.5 | 83.3 | 1.12 | 26.5 | 3.8 |
| DynaGro 2100B2RF | 1424 | 38.6 | 83.0 | 1.10 | 27.1 | 4.0 |
| DP 393 | 1420 | 41.1 | 84.7 | 1.17 | 29.4 | 4.7 |
| BW-2038B2F | 1401 | 39.1 | 83.1 | 1.14 | 26.6 | 4.4 |
| ST4700B2RF | 1392 | 40.1 | 84.4 | 1.19 | 25.9 | 4.4 |
| CG3520B2RF | 1383 | 40.1 | 83.5 | 1.14 | 25.5 | 4.6 |
| DynaGro 2242B2/RF | 1379 | 39.3 | 83.7 | 1.14 | 26.3 | 4.4 |
| BW-3255B2F | 1354 | 37.1 | 83.2 | 1.10 | 27.7 | 4.2 |
| DP 445 BG/RR | 1186 | 41.4 | 84.3 | 1.14 | 27.8 | 4.6 |
| Average | 1638 | 41.3 | 83.7 | 1.16 | 28.6 | 4.4 |
| LSD 0.10 | 176 | 0.8 | 1.1 | 0.04 | 1.7 | 0.3 |
| CV % | 9.2 | 1.8 | 0.8 | 2.07 | 3.4 | 3.8 |

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(Continued)

* A random quality sample was taken on the picker during cotton harvest.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 2, 2006.

Harvested: October 9, 2006.

Soil Type: Greenville sandy loam.

Fertilization: 86 lb N, 88 lb P₂O₅, and 16 lb K₂O/acre.

Management: Temik 15G applied 5 lb/acre.

| | May | June | July | Aug. | Sept. | Oct. |
|------------------|------|------|------|------|-------|------|
| Rainfall (in): | 3.40 | 1.49 | 5.20 | 9.95 | 2.40 | 4.58 |
| Irrigation (in): | 0.70 | 1.70 | 2.00 | 0.0 | 0.0 | 0.0 |

Trials conducted by Larry Thompson and Ronnie Pines.