

Tifton, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2012

| Variety | Lint Yield lb/acre | Lint* % | Uniformity | Length* inches | Strength* g/tex | Micronaire* units |
|-----------------------|-----------------------|------------|-------------|-------------------|--------------------|----------------------|
| | | | Index* % | | | |
| DP 1219 B2RF | 1572 | 45.1 | 85.5 | 1.20 | 31.8 | 5.0 |
| DP 1137 B2RF | 1561 | 46.3 | 85.7 | 1.14 | 28.6 | 4.8 |
| BRS293 | 1478 | 43.0 | 83.9 | 1.13 | 33.4 | 5.4 |
| PHY 499 WRF | 1465 | 46.5 | 84.3 | 1.11 | 33.5 | 5.1 |
| MON 11R112B2R2 | 1459 | 44.4 | 84.4 | 1.11 | 30.3 | 5.0 |
| DP 1034 B2RF | 1456 | 46.8 | 85.2 | 1.16 | 28.5 | 5.1 |
| DP 1028 B2RF | 1452 | 47.4 | 84.9 | 1.14 | 28.9 | 5.1 |
| Dyna-Gro 2570B2RF | 1421 | 44.0 | 84.3 | 1.11 | 30.7 | 5.2 |
| PX 4339-06 WRF | 1402 | 45.0 | 85.1 | 1.16 | 30.4 | 5.0 |
| FM1944 GLB2 | 1391 | 43.4 | 85.5 | 1.21 | 32.8 | 5.3 |
| GA2004143 | 1388 | 45.4 | 85.6 | 1.19 | 34.0 | 5.0 |
| MON 11R124B2R2 | 1366 | 46.2 | 83.9 | 1.15 | 28.2 | 5.0 |
| All-Tex 7A21 | 1350 | 45.2 | 84.9 | 1.15 | 31.3 | 4.8 |
| DP 0912 B2RF | 1343 | 43.4 | 84.1 | 1.08 | 30.2 | 5.3 |
| GA2009100 | 1342 | 45.6 | 83.8 | 1.17 | 32.8 | 4.8 |
| BRS 269 | 1340 | 41.0 | 84.8 | 1.21 | 36.0 | 5.0 |
| GA2006106 | 1340 | 42.0 | 85.4 | 1.18 | 33.6 | 4.8 |
| PX-4339-CB WRF | 1337 | 43.9 | 85.2 | 1.17 | 30.5 | 4.9 |
| All-Tex Nitro 44 B2RF | 1269 | 42.0 | 85.3 | 1.26 | 34.1 | 4.0 |
| All-Tex LA122 | 1252 | 44.7 | 84.7 | 1.15 | 29.6 | 5.0 |
| DG2595 B2RF | 1245 | 43.5 | 82.7 | 1.13 | 30.5 | 5.4 |
| SSG HQ 210 CT | 1239 | 41.8 | 84.0 | 1.11 | 31.7 | 5.1 |
| BRS 335 | 1213 | 42.8 | 86.1 | 1.19 | 31.7 | 3.6 |
| PHY 367 WRF | 1187 | 43.2 | 83.9 | 1.12 | 30.4 | 4.8 |
| BRS286 | 1184 | 42.7 | 85.2 | 1.12 | 32.4 | 5.0 |
| AM 1550 B2RF | 1161 | 42.6 | 84.4 | 1.11 | 28.6 | 4.9 |
| NG 1511 B2RF | 1145 | 45.7 | 84.7 | 1.12 | 31.1 | 5.1 |
| PHY 375 WRF | 1134 | 44.6 | 83.8 | 1.13 | 29.9 | 4.8 |
| SSG CT Linwood | 1129 | 41.6 | 85.0 | 1.12 | 32.6 | 5.0 |
| BX1346GLB2 | 1120 | 44.7 | 83.0 | 1.10 | 29.7 | 5.0 |
| GA2008057 | 1048 | 40.7 | 85.2 | 1.21 | 32.8 | 4.3 |
| SSG AU 222 | 988 | 42.6 | 84.7 | 1.16 | 29.3 | 4.8 |
| Average | 1306 | 44.0 | 84.6 | 1.15 | 31.2 | 4.9 |
| LSD 0.10 | 179 | 0.7 | 1.5 | 0.04 | 1.6 | 0.5 |
| CV % | 11.7 | 1.4 | 1.0 | 2.26 | 3.0 | 5.5 |

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

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

Planted: May 1, 2012.

Harvested: September 28, 2012.

Seeding Rate: 4 seeds/foot in 36' rows.

Soil Type: Tifton loam.

Soil Test: P = Medium, K = Medium, and pH = 5.9.

Fertilization: 18 lb N, 54 lb P₂O₅, and 108 lb K₂O/acre. Sidedress: 80 lb N and 60 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled and bedded; Prowl, Cotoran and Reflex used for weed control; Bidrin and Tracer used for insect control; Temik applied 5 lb/acre.

| | | | | | | | |
|----------------|-------|------|------|------|------|-------|------|
| Rainfall (in): | April | May | June | July | Aug. | Sept. | Oct. |
| | 1.13 | 3.20 | 4.61 | 3.20 | 9.95 | 2.21 | 2.48 |

Trials conducted by A. Coy, R. Brooke, D. Dunn, S. Willis and Larry Thompson.