

# Plains, Georgia:

## Earlier Maturity Cotton Variety Performance, 2012, Irrigated

| Variety               | Lint Yield<br>lb/acre | Lint*<br>% | Uniformity        | Length*<br>inches | Strength*<br>g/tex | Micronaire*<br>units |
|-----------------------|-----------------------|------------|-------------------|-------------------|--------------------|----------------------|
|                       |                       |            | Index*<br>%       |                   |                    |                      |
| DP 1137 B2RF          | <b>2316</b>           | 45.4       | 84.4              | 1.15              | 26.4               | 4.1                  |
| DP 1034 B2RF          | <b>2171</b>           | 45.0       | 84.5              | 1.18              | 25.4               | 3.9                  |
| DP 1028 B2RF          | <b>2144</b>           | 45.2       | 84.8              | 1.18              | 25.3               | 3.6                  |
| NG 1511 B2RF          | 2105                  | 43.8       | 84.5              | 1.16              | 26.1               | 3.7                  |
| All-Tex LA122         | 2100                  | 44.1       | 83.1              | 1.18              | 24.5               | 3.5                  |
| GA2004143             | 2079                  | 43.1       | 83.6              | 1.23              | 30.3               | 3.7                  |
| PHY 499 WRF           | 2065                  | 44.4       | 84.7              | 1.16              | 27.4               | 4.2                  |
| DP 1219 B2RF          | 2036                  | 41.5       | 84.0              | 1.20              | 28.3               | 3.8                  |
| PX-4339-CB WRF        | 2024                  | 42.4       | 84.6              | 1.21              | 27.7               | 4.0                  |
| PX 4339-06 WRF        | 2011                  | 41.7       | 83.8              | 1.19              | 26.1               | 3.6                  |
| MON 11R124B2R2        | 1955                  | 43.8       | 83.8              | 1.17              | 25.9               | 3.7                  |
| DP 0912 B2RF          | 1951                  | 41.0       | 82.9              | 1.10              | 26.8               | 4.1                  |
| BX1346GLB2            | 1947                  | 41.4       | 83.7              | 1.14              | 27.8               | 3.8                  |
| All-Tex 7A21          | 1942                  | 41.8       | 84.3              | 1.18              | 25.7               | 3.9                  |
| SSG AU 222            | 1939                  | 40.8       | 83.5              | 1.18              | 27.0               | 3.9                  |
| FM1944 GLB2           | 1909                  | 39.7       | 85.2              | 1.25              | 31.5               | 4.0                  |
| DG2595 B2RF           | 1908                  | 40.9       | 82.5              | 1.17              | 26.6               | 4.3                  |
| All-Tex Nitro 44 B2RF | 1894                  | 41.3       | 85.6              | 1.24              | 30.9               | 3.8                  |
| GA2006106             | 1832                  | 39.6       | 83.8              | 1.22              | 29.1               | 3.9                  |
| MON 11R112B2R2        | 1791                  | 41.7       | 84.0              | 1.15              | 26.2               | 3.6                  |
| GA2009100             | 1781                  | 42.9       | 84.8              | 1.21              | 28.6               | 3.6                  |
| AM 1550 B2RF          | 1776                  | 40.2       | 83.3              | 1.10              | 24.6               | 3.8                  |
| PHY 375 WRF           | 1746                  | 42.3       | 82.6              | 1.15              | 26.0               | 3.5                  |
| SSG CT Linwood        | 1717                  | 42.3       | 84.2              | 1.12              | 27.7               | 4.4                  |
| PHY 367 WRF           | 1710                  | 37.9       | 83.7              | 1.14              | 27.1               | 3.7                  |
| BRS293                | 1696                  | 40.2       | 84.6              | 1.20              | 27.2               | 4.0                  |
| SSG HQ 210 CT         | 1660                  | 42.7       | 84.1              | 1.19              | 27.1               | 3.9                  |
| Dyna-Gro 2570B2RF     | 1655                  | 35.4       | 84.4              | 1.18              | 27.8               | 4.0                  |
| GA2008057             | 1638                  | 40.7       | 84.9              | 1.24              | 30.1               | 3.7                  |
| BRS286                | 1595                  | 39.6       | 83.9              | 1.15              | 28.1               | 4.1                  |
| Average               | 1903                  | 41.8       | 84.0              | 1.18              | 27.3               | 3.8                  |
| LSD 0.10              | 184                   | 1.8        | N.S. <sup>1</sup> | 0.05              | 2.2                | N.S.                 |
| CV %                  | 8.2                   | 3.7        | 1.2               | 2.59              | 4.7                | 7.8                  |

# Plains, Georgia: Earlier Maturity Cotton Variety Performance, 2012, Irrigated (Continued)

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\* 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.

1. The F-test indicated no statistical differences at the  $\alpha = 0.10$  probability level; therefore an LSD value was not calculated.

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

Planted: May 2, 2012.

Harvested: October 16, 2012.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Low, K = High, and pH = 6.3.

Fertilization: 21 lb N, 60 lb  $P_2O_5$ , and 60 lb  $K_2O$ /acre. Sidedress: 80 lb N/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidren, Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

|                  | May  | June | July | Aug. | Sept. | Oct. |
|------------------|------|------|------|------|-------|------|
| Irrigation (in): | 3.00 | 1.00 | 4.00 | 4.00 | 0     | 0    |
| Rainfall (in):   | 1.36 | 3.49 | 3.91 | 2.28 | 3.64  | 1.50 |

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.