

## Athens, Georgia: Dryland Later Maturity Cotton Variety Performance, 2009

| Variety       | Lint Yield<br>lb/acre | Lint<br>% | Uniformity |                   | Strength*<br>g/tex | Micronaire*<br>units |
|---------------|-----------------------|-----------|------------|-------------------|--------------------|----------------------|
|               |                       |           | Index*     | Length*<br>inches |                    |                      |
| PHY440W       | <b>687</b>            | 45.9      | 83.6       | 1.12              | 29.9               | 5.1                  |
| DP 164 B2RF   | <b>639</b>            | 43.3      | 84.4       | 1.17              | 29.6               | 5.1                  |
| DP174RF       | <b>630</b>            | 49.7      | 82.1       | 1.11              | 25.0               | 5.1                  |
| FM 1845LLB2   | <b>623</b>            | 45.5      | 83.7       | 1.18              | 30.2               | 5.4                  |
| BCSX 1025LLB2 | <b>613</b>            | 45.8      | 82.5       | 1.18              | 30.0               | 5.0                  |
| PHY370WR      | <b>604</b>            | 48.4      | 83.0       | 1.09              | 27.7               | 5.4                  |
| PHY375WRF     | <b>603</b>            | 47.8      | 82.1       | 1.09              | 28.1               | 5.1                  |
| PHY485WRF     | <b>603</b>            | 45.8      | 83.1       | 1.11              | 28.0               | 5.3                  |
| PHY5922WRF    | <b>602</b>            | 46.4      | 83.6       | 1.12              | 27.4               | 5.3                  |
| DP 0949B2RF   | <b>597</b>            | 46.8      | 83.1       | 1.10              | 26.9               | 5.3                  |
| PHY565WRF     | 571                   | 46.6      | 84.2       | 1.14              | 28.6               | 5.2                  |
| ST 5327B2RF   | 571                   | 47.9      | 82.5       | 1.09              | 25.0               | 4.9                  |
| PHY480WR      | 560                   | 43.2      | 84.1       | 1.15              | 29.2               | 5.1                  |
| BCSX 1005LLB2 | 560                   | 44.5      | 82.4       | 1.12              | 29.6               | 5.6                  |
| DP161B2RF     | 559                   | 43.1      | 84.5       | 1.18              | 29.5               | 5.3                  |
| ST 5288B2F    | 556                   | 48.6      | 81.2       | 1.07              | 26.1               | 5.5                  |
| BCSX 1010B2F  | 538                   | 45.3      | 82.9       | 1.14              | 27.1               | 5.2                  |
| SSG CT 310HQ  | 523                   | 43.5      | 82.8       | 1.13              | 32.2               | 5.0                  |
| PHY525RF      | 522                   | 46.9      | 82.8       | 1.12              | 27.5               | 4.8                  |
| DP 555 BG/RR  | 510                   | 47.1      | 82.6       | 1.11              | 28.0               | 5.0                  |
| DP 0935 B2RF  | 486                   | 47.9      | 82.5       | 1.08              | 26.6               | 5.5                  |
| ST 5458B2RF   | 482                   | 46.9      | 81.7       | 1.09              | 26.2               | 5.6                  |
| BCSX 1015LLB2 | 432                   | 43.9      | 84.0       | 1.20              | 31.0               | 5.2                  |
| 09R621B2R2    | 423                   | 48.7      | 84.2       | 1.15              | 24.8               | 5.3                  |
| Average       | 562                   | 46.2      | 83.0       | 1.12              | 28.1               | 5.2                  |
| LSD 0.10      | 108                   | 0.9       | 1.2        | 0.04              | 2.2                | 0.2                  |
| CV %          | 16.3                  | 1.6       | 0.8        | 2.00              | 4.6                | 2.3                  |

\* 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 11, 2009.

Harvested: October 22, 2009.

Soil Type: Cecil coarse sandy loam.

Fertilization: 180 lb N, 80 lb P<sub>2</sub>O<sub>5</sub>, and 80 lb K<sub>2</sub>O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

## Midville, Georgia: Dryland Later Maturity Cotton Variety Performance, 2009

| Variety       | Lint Yield<br>lb/acre | Lint<br>% | Uniformity        |   | Length*<br>inches | Strength*<br>g/tex | Micronaire*<br>units |
|---------------|-----------------------|-----------|-------------------|---|-------------------|--------------------|----------------------|
|               |                       |           | Index*            | % |                   |                    |                      |
| DP 0949B2RF   | <b>1688</b>           | 45.9      | 84.5              |   | 1.20              | 29.4               | 5.1                  |
| DP 555 BG/RR  | <b>1662</b>           | 45.5      | 82.7              |   | 1.15              | 30.9               | 4.7                  |
| 09R621B2R2    | <b>1564</b>           | 46.7      | 83.8              |   | 1.19              | 28.2               | 4.8                  |
| ST 5327B2RF   | <b>1555</b>           | 45.5      | 81.7              |   | 1.13              | 29.8               | 5.0                  |
| PHY375WRF     | <b>1532</b>           | 45.9      | 82.9              |   | 1.13              | 29                 | 4.7                  |
| ST 5458B2RF   | <b>1508</b>           | 45.0      | 81.9              |   | 1.11              | 30.9               | 5.4                  |
| BCSX 1025LLB2 | <b>1500</b>           | 44.2      | 83.0              |   | 1.19              | 31.8               | 4.7                  |
| FM 1845LLB2   | <b>1491</b>           | 45.8      | 84.1              |   | 1.21              | 31.0               | 4.9                  |
| DP161B2RF     | <b>1470</b>           | 42.3      | 83.8              |   | 1.21              | 30.9               | 4.9                  |
| PHY565WRF     | <b>1469</b>           | 44.5      | 82.9              |   | 1.17              | 30.7               | 4.8                  |
| BCSX 1010B2F  | <b>1460</b>           | 43.7      | 82.5              |   | 1.17              | 29.5               | 5.1                  |
| PHY480WR      | 1454                  | 42.9      | 82.4              |   | 1.14              | 31.8               | 5.2                  |
| PHY370WR      | 1441                  | 44.9      | 83.1              |   | 1.12              | 31.5               | 5.2                  |
| DP174RF       | 1421                  | 45.5      | 82.3              |   | 1.18              | 31.6               | 5.3                  |
| DP 164 B2RF   | 1419                  | 44.9      | 82.9              |   | 1.21              | 31.4               | 5.1                  |
| BCSX 1005LLB2 | 1419                  | 43.3      | 83.9              |   | 1.24              | 34.1               | 5.3                  |
| PHY485WRF     | 1405                  | 45.0      | 81.5              |   | 1.16              | 29.6               | 4.6                  |
| DP 0935 B2RF  | 1405                  | 44.5      | 81.9              |   | 1.14              | 29.4               | 5.0                  |
| ST 5288B2F    | 1400                  | 44.6      | 83.1              |   | 1.15              | 29.6               | 5.0                  |
| PHY440W       | 1342                  | 43.2      | 82.7              |   | 1.15              | 30.6               | 4.9                  |
| PHY5922WRF    | 1292                  | 43.9      | 83.9              |   | 1.17              | 31.7               | 4.9                  |
| SSG CT 310HQ  | 1287                  | 41.4      | 83.6              |   | 1.17              | 36.3               | 4.9                  |
| BCSX 1015LLB2 | 1236                  | 41.2      | 84.0              |   | 1.25              | 33.1               | 5.0                  |
| PHY525RF      | 1184                  | 44.1      | 84.3              |   | 1.20              | 29.5               | 4.6                  |
| Average       | 1442                  | 44.4      | 83.0              |   | 1.17              | 30.9               | 4.9                  |
| LSD 0.10      | 228                   | 1.3       | N.S. <sup>1</sup> |   | 0.06              | N.S.               | 0.4                  |
| CV %          | 13.4                  | 2.4       | 1.4               |   | 3.05              | 6.5                | 4.5                  |

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

1. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a 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 12, 2009.

Harvested: October 30, 2009.

Soil Type: Tifton sandy loam.

Fertilization: 95 lb N, 50 lb P<sub>2</sub>O<sub>5</sub>, and 75 lb K<sub>2</sub>O/acre.

Management: Temik applied 5 lb/acre at planting and applied 5 lb/acre as sidedress.

Trials conducted by Larry Thompson.

## Plains, Georgia: Dryland Later Maturity Cotton Variety Performance, 2009

| Variety       | Lint Yield<br>lb/acre | Lint<br>% | Uniformity |         | Strength*<br>g/tex | Micronaire* |
|---------------|-----------------------|-----------|------------|---------|--------------------|-------------|
|               |                       |           | Index*     | Length* |                    |             |
|               |                       |           | %          | inches  |                    | units       |
| PHY565WRF     | <b>1818</b>           | 45.9      | 84.3       | 1.19    | 30.6               | 4.6         |
| PHY370WR      | <b>1738</b>           | 44.2      | 84.7       | 1.13    | 28.8               | 4.8         |
| DP161B2RF     | <b>1735</b>           | 41.9      | 85.0       | 1.24    | 30.4               | 4.5         |
| DP174RF       | <b>1675</b>           | 45.2      | 83.8       | 1.20    | 26.2               | 4.2         |
| DP 0949B2RF   | <b>1640</b>           | 44.8      | 83.4       | 1.18    | 29.8               | 4.8         |
| ST 5288B2F    | <b>1614</b>           | 44.2      | 83.1       | 1.17    | 27.7               | 4.7         |
| ST 5458B2RF   | <b>1560</b>           | 43.8      | 83.1       | 1.17    | 31.1               | 4.6         |
| DP 0935 B2RF  | <b>1549</b>           | 44.7      | 84.0       | 1.11    | 28.1               | 5.0         |
| DP 555 BG/RR  | <b>1518</b>           | 45.7      | 82.2       | 1.13    | 29.7               | 4.7         |
| PHY5922WRF    | <b>1505</b>           | 43.8      | 84.3       | 1.15    | 29.2               | 4.9         |
| PHY375WRF     | <b>1493</b>           | 45.5      | 84.3       | 1.15    | 28.6               | 4.4         |
| 09R621B2R2    | <b>1489</b>           | 46.7      | 84.0       | 1.17    | 26.6               | 4.7         |
| PHY485WRF     | <b>1476</b>           | 42.8      | 85.2       | 1.16    | 29.9               | 4.9         |
| PHY525RF      | <b>1474</b>           | 44.2      | 84.7       | 1.23    | 27.5               | 3.8         |
| ST 5327B2RF   | <b>1434</b>           | 43.7      | 84.6       | 1.17    | 29.2               | 4.3         |
| BCSX 1015LLB2 | <b>1431</b>           | 41.8      | 83.9       | 1.25    | 32.1               | 4.7         |
| BCSX 1005LLB2 | <b>1392</b>           | 41.7      | 85.0       | 1.23    | 31.0               | 5.0         |
| FM 1845LLB2   | <b>1389</b>           | 41.2      | 84.9       | 1.22    | 30.8               | 4.7         |
| DP 164 B2RF   | <b>1368</b>           | 42.8      | 84.4       | 1.22    | 28.9               | 4.3         |
| BCSX 1010B2F  | <b>1356</b>           | 43.0      | 83.4       | 1.16    | 29.8               | 4.8         |
| BCSX 1025LLB2 | <b>1342</b>           | 42.4      | 84.6       | 1.23    | 31.9               | 4.4         |
| SSG CT 310HQ  | <b>1290</b>           | 41.8      | 84.1       | 1.17    | 32.6               | 4.9         |
| PHY480WR      | <b>1274</b>           | 38.9      | 85.0       | 1.19    | 30.3               | 4.8         |
| PHY440W       | <b>1273</b>           | 42.4      | 84.6       | 1.17    | 29.3               | 4.5         |
| Average       | 1493                  | 43.5      | 84.2       | 1.18    | 29.6               | 4.6         |
| LSD 0.10      | N.S. <sup>1</sup>     | 0.9       | 1.2        | 0.03    | 1.9                | 0.4         |
| CV %          | 17.0                  | 1.8       | 0.8        | 1.37    | 3.8                | 5.5         |

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

1. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a 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 14, 2009.

Harvested: November 16, 2009.

Soil Type: Greenville sandy clay loam.

Fertilization: 90 lb N, 66 lb P<sub>2</sub>O<sub>5</sub>, and 18 lb K<sub>2</sub>O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

## Tifton, Georgia: Dryland Later Maturity Cotton Variety Performance, 2009

| Variety       | Lint Yield<br>lb/acre | Lint<br>% | Uniformity        |         | Strength*<br>g/tex | Micronaire* |
|---------------|-----------------------|-----------|-------------------|---------|--------------------|-------------|
|               |                       |           | Index*            | Length* |                    |             |
|               |                       |           | %                 | inches  |                    | units       |
| 09R621B2R2    | <b>1944</b>           | 47.0      | 84.9              | 1.16    | 29.4               | 4.7         |
| PHY370WR      | <b>1868</b>           | 45.1      | 83.5              | 1.12    | 32.6               | 4.6         |
| DP 0935 B2RF  | <b>1830</b>           | 44.8      | 83.6              | 1.12    | 30.2               | 4.7         |
| PHY375WRF     | <b>1792</b>           | 44.8      | 83.6              | 1.14    | 30.5               | 4.4         |
| FM 1845LLB2   | <b>1785</b>           | 41.5      | 85.4              | 1.22    | 33.4               | 4.4         |
| DP 555 BG/RR  | <b>1782</b>           | 46.3      | 82.7              | 1.11    | 31.7               | 4.5         |
| ST 5458B2RF   | <b>1777</b>           | 44.1      | 83.0              | 1.15    | 32.8               | 4.9         |
| PHY5922WRF    | <b>1753</b>           | 44.2      | 84.5              | 1.13    | 33.7               | 4.6         |
| DP 164 B2RF   | 1723                  | 41.9      | 83.3              | 1.18    | 31.0               | 4.3         |
| BCSX 1025LLB2 | 1690                  | 42.2      | 85.2              | 1.22    | 33.6               | 4.6         |
| DP 0949B2RF   | 1678                  | 46.5      | 84.1              | 1.14    | 32.0               | 5.1         |
| BCSX 1015LLB2 | 1674                  | 40.9      | 84.4              | 1.25    | 34.5               | 4.5         |
| PHY565WRF     | 1663                  | 44.7      | 83.2              | 1.12    | 33.9               | 4.6         |
| PHY440W       | 1638                  | 42.9      | 84.2              | 1.12    | 28.9               | 4.6         |
| ST 5327B2RF   | 1607                  | 42.4      | 83.8              | 1.12    | 33.5               | 4.7         |
| PHY480WR      | 1606                  | 42.1      | 85.1              | 1.16    | 34.0               | 4.7         |
| ST 5288B2F    | 1600                  | 43.9      | 84.4              | 1.15    | 28.9               | 5.1         |
| BCSX 1005LLB2 | 1585                  | 41.3      | 84.4              | 1.21    | 34.2               | 4.8         |
| BCSX 1010B2F  | 1552                  | 43.0      | 84.3              | 1.15    | 29.6               | 4.7         |
| PHY485WRF     | 1535                  | 42.4      | 84.0              | 1.14    | 31.7               | 4.8         |
| DP174RF       | 1532                  | 46.2      | 84.0              | 1.16    | 29.2               | 4.9         |
| DP161B2RF     | 1525                  | 42.1      | 84.3              | 1.20    | 34.0               | 4.7         |
| SSG CT 310HQ  | 1101                  | 41.8      | 84.1              | 1.16    | 36.6               | 4.8         |
| PHY525RF      | 1085                  | 44.0      | 84.0              | 1.17    | 31.4               | 4.1         |
| Average       | 1639                  | 43.6      | 84.1              | 1.16    | 32.1               | 4.6         |
| LSD 0.10      | 194                   | 0.9       | N.S. <sup>1</sup> | 0.04    | 2.3                | 0.2         |
| CV %          | 10.0                  | 1.8       | 1.1               | 1.76    | 4.2                | 2.9         |

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

1. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a 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: April 29, 2009.

Harvested: September 25, 2009.

Soil Type: Tifton loamy sand.

Fertilization: 78 lb N, 54 lb P<sub>2</sub>O<sub>5</sub>, and 174 lb K<sub>2</sub>O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

## Yield Summary for Dryland Later Maturity Cotton Varieties, 2009

| Entry         | Lint Yield <sup>a</sup>  |                           |                           |                          |                           | Lint<br>% | Unif.<br>Index<br>% | Length<br>in | Strength<br>g/tex | Mic.<br>units |
|---------------|--------------------------|---------------------------|---------------------------|--------------------------|---------------------------|-----------|---------------------|--------------|-------------------|---------------|
|               | Athens                   | Midville                  | Plains<br>lb/acre         | Tifton                   | 4-Loc.<br>Average         |           |                     |              |                   |               |
| PHY370WR      | <b>604</b> <sup>6</sup>  | 1441 <sup>13</sup>        | <b>1738</b> <sup>2</sup>  | <b>1868</b> <sup>2</sup> | <b>1413</b> <sup>1</sup>  | 45.7      | 83.5                | 1.11         | 30.1              | 5.0           |
| DP 0949B2RF   | <b>597</b> <sup>9</sup>  | <b>1688</b> <sup>1</sup>  | <b>1640</b> <sup>5</sup>  | 1678 <sup>11</sup>       | <b>1401</b> <sup>2</sup>  | 46.0      | 83.7                | 1.15         | 29.5              | 5.1           |
| PHY565WRF     | 571 <sup>10T</sup>       | <b>1469</b> <sup>10</sup> | <b>1818</b> <sup>1</sup>  | 1663 <sup>13</sup>       | <b>1380</b> <sup>3</sup>  | 45.4      | 83.6                | 1.15         | 30.9              | 4.8           |
| DP 555 BG/RR  | 510 <sup>17</sup>        | <b>1662</b> <sup>2</sup>  | <b>1518</b> <sup>9</sup>  | <b>1782</b> <sup>6</sup> | <b>1368</b> <sup>4</sup>  | 46.2      | 82.5                | 1.12         | 30.0              | 4.7           |
| 09R621B2R2    | 423 <sup>21</sup>        | <b>1564</b> <sup>3</sup>  | <b>1489</b> <sup>12</sup> | <b>1944</b> <sup>1</sup> | <b>1355</b> <sup>5T</sup> | 47.3      | 84.2                | 1.17         | 27.2              | 4.8           |
| PHY375WRF     | <b>603</b> <sup>7T</sup> | <b>1532</b> <sup>5</sup>  | <b>1493</b> <sup>11</sup> | <b>1792</b> <sup>4</sup> | <b>1355</b> <sup>5T</sup> | 46.0      | 83.2                | 1.13         | 29.0              | 4.6           |
| ST 5458B2RF   | 482 <sup>19</sup>        | <b>1508</b> <sup>6</sup>  | <b>1560</b> <sup>7</sup>  | <b>1777</b> <sup>7</sup> | <b>1332</b> <sup>6</sup>  | 45.0      | 82.4                | 1.13         | 30.2              | 5.1           |
| FM 1845LLB2   | <b>623</b> <sup>4</sup>  | <b>1491</b> <sup>8</sup>  | <b>1389</b> <sup>18</sup> | <b>1785</b> <sup>5</sup> | <b>1322</b> <sup>7T</sup> | 43.5      | 84.5                | 1.21         | 31.3              | 4.8           |
| DP161B2RF     | 559 <sup>12</sup>        | <b>1470</b> <sup>9</sup>  | <b>1735</b> <sup>3</sup>  | 1525 <sup>22</sup>       | <b>1322</b> <sup>7T</sup> | 42.3      | 84.4                | 1.20         | 31.2              | 4.8           |
| DP 0935 B2RF  | 486 <sup>18</sup>        | 1405 <sup>16T</sup>       | <b>1549</b> <sup>8</sup>  | <b>1830</b> <sup>3</sup> | <b>1318</b> <sup>8</sup>  | 45.5      | 83.0                | 1.11         | 28.6              | 5.0           |
| DP174RF       | <b>630</b> <sup>3</sup>  | 1421 <sup>14</sup>        | <b>1675</b> <sup>4</sup>  | 1532 <sup>21</sup>       | <b>1315</b> <sup>9</sup>  | 46.6      | 83.0                | 1.16         | 28.0              | 4.8           |
| ST 5288B2F    | 556 <sup>13</sup>        | 1400 <sup>17</sup>        | <b>1614</b> <sup>6</sup>  | 1600 <sup>17</sup>       | <b>1293</b> <sup>10</sup> | 45.3      | 82.9                | 1.14         | 28.0              | 5.0           |
| ST 5327B2RF   | 571 <sup>10T</sup>       | <b>1555</b> <sup>4</sup>  | <b>1434</b> <sup>15</sup> | 1607 <sup>15</sup>       | <b>1292</b> <sup>11</sup> | 44.9      | 83.1                | 1.13         | 29.4              | 4.7           |
| PHY5922WRF    | <b>602</b> <sup>8</sup>  | 1292 <sup>19</sup>        | <b>1505</b> <sup>10</sup> | <b>1753</b> <sup>8</sup> | <b>1288</b> <sup>12</sup> | 44.6      | 84.1                | 1.14         | 30.5              | 4.9           |
| DP 164 B2RF   | <b>639</b> <sup>2</sup>  | 1419 <sup>15T</sup>       | <b>1368</b> <sup>19</sup> | 1723 <sup>9</sup>        | <b>1287</b> <sup>13</sup> | 43.2      | 83.7                | 1.19         | 30.2              | 4.7           |
| BCSX 1025LLB2 | <b>613</b> <sup>5</sup>  | <b>1500</b> <sup>7</sup>  | <b>1342</b> <sup>21</sup> | 1690 <sup>10</sup>       | <b>1286</b> <sup>14</sup> | 43.7      | 83.8                | 1.20         | 31.8              | 4.7           |
| PHY485WRF     | <b>603</b> <sup>7T</sup> | 1405 <sup>16T</sup>       | <b>1476</b> <sup>13</sup> | 1535 <sup>20</sup>       | 1255 <sup>15</sup>        | 44.0      | 83.4                | 1.14         | 29.8              | 4.9           |
| BCSX 1005LLB2 | 560 <sup>11T</sup>       | 1419 <sup>15T</sup>       | <b>1392</b> <sup>17</sup> | 1585 <sup>18</sup>       | 1239 <sup>16</sup>        | 42.7      | 83.9                | 1.20         | 32.2              | 5.2           |
| PHY440W       | <b>687</b> <sup>1</sup>  | 1342 <sup>18</sup>        | <b>1273</b> <sup>24</sup> | 1638 <sup>14</sup>       | 1235 <sup>17</sup>        | 43.6      | 83.7                | 1.14         | 29.7              | 4.8           |
| BCSX 1010B2F  | 538 <sup>14</sup>        | <b>1460</b> <sup>11</sup> | <b>1356</b> <sup>20</sup> | 1552 <sup>19</sup>       | 1227 <sup>18</sup>        | 43.8      | 83.2                | 1.15         | 29.0              | 4.9           |
| PHY480WR      | 560 <sup>11T</sup>       | 1454 <sup>12</sup>        | <b>1274</b> <sup>23</sup> | 1606 <sup>16</sup>       | 1224 <sup>19</sup>        | 41.8      | 84.1                | 1.16         | 31.3              | 4.9           |
| BCSX 1015LLB2 | 432 <sup>20</sup>        | 1236 <sup>21</sup>        | <b>1431</b> <sup>16</sup> | 1674 <sup>12</sup>       | 1193 <sup>20</sup>        | 41.9      | 84.0                | 1.24         | 32.7              | 4.8           |
| PHY525RF      | 522 <sup>16</sup>        | 1184 <sup>22</sup>        | <b>1474</b> <sup>14</sup> | 1085 <sup>24</sup>       | 1066 <sup>21</sup>        | 44.8      | 83.9                | 1.18         | 28.9              | 4.3           |
| SSG CT 310HQ  | 523 <sup>15</sup>        | 1287 <sup>20</sup>        | <b>1290</b> <sup>22</sup> | 1101 <sup>23</sup>       | 1051 <sup>22</sup>        | 42.1      | 83.6                | 1.15         | 34.4              | 4.9           |
| Average       | 562                      | 1442                      | 1493                      | 1639                     | 1284                      | 44.4      | 83.6                | 1.16         | 30.2              | 4.8           |
| LSD 0.10      | 108                      | 228                       | N.S. <sup>b</sup>         | 194                      | 152                       | 1.0       | 0.8                 | 0.02         | 1.2               | 0.2           |
| CV %          | 16.3                     | 13.4                      | 17.0                      | 10.0                     | 14.4                      | 1.9       | 1.1                 | 2.14         | 4.9               | 3.9           |

<sup>a</sup> Superscripts indicate ranking at that location.

<sup>b</sup> The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

## Two-Year Summary for Dryland Later Maturity Cotton Varieties at Four Locations<sup>a</sup>, 2008-2009

| Variety      | Lint Yield<br>lb/acre | Lint<br>% | Uniformity |  | Length<br>inches | Strength<br>g/tex | Micronaire<br>units |
|--------------|-----------------------|-----------|------------|--|------------------|-------------------|---------------------|
|              |                       |           | Index<br>% |  |                  |                   |                     |
| DP 555 BG/RR | <b>1280</b>           | 44.9      | 82.7       |  | 1.14             | 31.6              | 4.7                 |
| DP 0935 B2RF | <b>1239</b>           | 44.7      | 82.6       |  | 1.13             | 29.2              | 5.0                 |
| DP174RF      | <b>1234</b>           | 46.8      | 82.8       |  | 1.17             | 29.0              | 4.9                 |
| PHY375WRF    | <b>1218</b>           | 45.7      | 82.6       |  | 1.13             | 29.3              | 4.8                 |
| DP 164 B2RF  | 1189                  | 42.0      | 83.5       |  | 1.19             | 31.6              | 4.7                 |
| FM 1845LLB2  | 1184                  | 43.0      | 84.1       |  | 1.21             | 32.8              | 4.9                 |
| DP161B2RF    | 1180                  | 41.7      | 83.8       |  | 1.20             | 32.5              | 4.9                 |
| ST 5288B2F   | 1176                  | 44.8      | 82.7       |  | 1.14             | 28.9              | 5.1                 |
| PHY485WRF    | 1111                  | 43.2      | 83.3       |  | 1.15             | 30.9              | 5.0                 |
| PHY480WR     | 1109                  | 42.0      | 83.5       |  | 1.16             | 31.4              | 5.0                 |
| PHY440W      | 1097                  | 43.6      | 83.0       |  | 1.14             | 30.9              | 4.9                 |
| Average      | 1183                  | 43.8      | 83.1       |  | 1.16             | 30.7              | 4.9                 |
| LSD 0.10     | 77                    | 0.4       | 0.6        |  | 0.01             | 0.9               | 0.1                 |
| CV %         | 15.8                  | 2.4       | 1.2        |  | 2.06             | 5.0               | 4.6                 |

a. Athens, Midville, Plains, and Tifton.

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