

## Midville, Georgia: Cotton Strains Performance, 2009, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
DP 1048 B2RF	<b>2076</b>	47.8	82.5	1.18	27.1	4.2
ST 5458B2RF	<b>2047</b>	45.4	83.0	1.22	30.5	4.0
GA2007095	<b>2023</b>	46.7	83.0	1.17	26.0	4.1
BCSX 1025LLB2	<b>1977</b>	43.4	84.6	1.24	33.2	4.0
DP174RF	<b>1959</b>	45.9	84.8	1.21	29.2	4.1
DP 1028 B2RF	<b>1931</b>	44.3	84.2	1.21	31.0	4.0
GA2006109	<b>1908</b>	45.0	83.2	1.15	28.5	4.5
09R549B2R2	<b>1908</b>	46.0	85.2	1.24	32.0	4.4
DP 1032 B2RF	1807	43.0	82.6	1.23	29.4	3.9
GA2006106	1772	43.5	84.2	1.24	31.0	4.1
PHY485WRF	1761	44.1	84.2	1.21	28.0	4.1
GA2006128	1691	45.1	84.0	1.24	30.6	4.3
SSG 59-3-29	1209	43.1	84.6	1.17	29.6	4.4
Average	1852	44.9	83.8	1.21	29.7	4.1
LSD 0.10	212	1.4	1.1	0.04	N.S. <sup>1</sup>	N.S.
CV %	9.6	2.7	0.8	2.01	6.7	7.9

\* 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: May 12, 2009.

Harvested: October 26, 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 5 lb/acre as sidedress.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.0	1.5	2.5	1.5	0.8	0.0

Trials conducted by Larry Thompson.

## Plains, Georgia: Cotton Strains Performance, 2009, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
09R549B2R2	1837	42.7	85.3	1.26	27.8	4.4
BCSX 1025LLB2	1586	41.3	84.8	1.26	29.3	3.9
DP 1028 B2RF	<b>2067</b>	46.8	84.1	1.21	25.2	4.2
DP 1032 B2RF	1843	44.0	84.1	1.22	27.2	3.8
DP 1048 B2RF	<b>2054</b>	44.5	84.7	1.21	25.3	4.2
DP174RF	1667	46.3	84.0	1.20	25.6	4.1
GA2006106	1739	43.7	85.3	1.26	29.2	4.0
GA2006109	1796	45.3	84.8	1.26	29.4	3.9
GA2006128	1637	42.1	85.0	1.23	26.5	4.0
GA2007095	<b>1965</b>	44.0	84.1	1.20	27.0	3.9
PHY485WRF	1834	42.2	84.4	1.19	27.3	4.0
SSG 59-3-29	1483	42.1	83.4	1.23	28.6	3.6
ST 5458B2RF	1695	41.6	83.1	1.18	28.2	4.2
Average	1785	43.6	84.4	1.20	27.4	4
LSD 0.10	196	0.8	N.S. <sup>1</sup>	0.02	1.8	0.4
CV %	9.2	1.6	1.1	1.32	3.6	4.9

\* 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: May 14, 2009.

Harvested: November 9, 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.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.7	0.7	0.0	0.0	0.0	0.0

Trials conducted by Larry Thompson.

## Tifton, Georgia: Cotton Strains Performance, 2009, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
ST 5458B2RF	<b>1840</b>	44.6	82.1	1.13	30.8	4.5
DP 1028 B2RF	<b>1781</b>	47.7	83.9	1.15	28.7	4.9
DP 1048 B2RF	<b>1746</b>	46.7	84.3	1.15	28.4	4.7
09R549B2R2	<b>1741</b>	46.0	84.5	1.18	31.6	4.7
BCSX 1025LLB2	1594	43.3	83.9	1.19	26.6	4.4
DP 1032 B2RF	1583	46.0	85.1	1.18	31.9	4.5
GA2007095	1524	45.6	82.8	1.11	29.8	4.8
GA2006128	1455	43.9	84.2	1.17	30.2	4.5
GA2006106	1378	44.4	84.0	1.18	31.9	4.4
DP174RF	1371	46.0	83.5	1.15	28.2	4.2
PHY485WRF	1362	43.0	84.3	1.11	32.8	4.8
GA2006109	1294	44.9	84.0	1.18	27.3	4.4
SSG 59-3-29	1256	42.9	82.1	1.16	30.1	4.0
Average	1533	45.0	83.7	1.15	29.9	4.5
LSD 0.10	233	0.5	1.3	0.03	N.S. <sup>1</sup>	N.S.
CV %	12.8	1.0	0.8	1.55	7.2	5.7

\* 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.

	May	June	July	Aug.	Sept.
Irrigation (in):	0.0	1.8	1.8	0.0	0.0

Trials conducted by Larry Thompson.

## Yield Summary for Cotton Strains, 2009, Irrigated

Variety	Lint Yield <sup>a</sup>				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
DP 1048 B2RF	<b>2076</b> <sup>1</sup>	<b>2054</b> <sup>2</sup>	<b>1746</b> <sup>3</sup>	<b>1959</b> <sup>1</sup>	46.3	83.8	1.18	26.9	4.3
DP 1028 B2RF	<b>1931</b> <sup>6</sup>	<b>2067</b> <sup>1</sup>	<b>1781</b> <sup>2</sup>	<b>1926</b> <sup>2</sup>	46.3	84.1	1.19	28.3	4.4
ST 5458B2RF	<b>2047</b> <sup>2</sup>	1695 <sup>9</sup>	<b>1840</b> <sup>1</sup>	<b>1861</b> <sup>3</sup>	43.9	82.7	1.17	29.8	4.2
GA2007095	<b>2023</b> <sup>3</sup>	<b>1965</b> <sup>3</sup>	1524 <sup>7</sup>	<b>1837</b> <sup>4</sup>	45.4	83.3	1.16	27.6	4.2
09R549B2R2	<b>1908</b> <sup>7T</sup>	1837 <sup>5</sup>	<b>1741</b> <sup>4</sup>	<b>1829</b> <sup>5</sup>	44.9	85.0	1.22	30.4	4.5
DP 1032 B2RF	1807 <sup>8</sup>	1843 <sup>4</sup>	1583 <sup>6</sup>	1745 <sup>6</sup>	44.3	83.9	1.21	29.5	4.1
BCSX 1025LLB2	<b>1977</b> <sup>4</sup>	1586 <sup>12</sup>	1594 <sup>5</sup>	1719 <sup>7</sup>	42.7	84.4	1.23	29.7	4.1
DP174RF	<b>1959</b> <sup>5</sup>	1667 <sup>10</sup>	1371 <sup>10</sup>	1666 <sup>8T</sup>	46.1	84.1	1.19	27.7	4.1
GA2006109	<b>1908</b> <sup>7T</sup>	1796 <sup>7</sup>	1294 <sup>12</sup>	1666 <sup>8T</sup>	45.1	84.0	1.19	28.4	4.2
PHY485WRF	1761 <sup>10</sup>	1834 <sup>6</sup>	1362 <sup>11</sup>	1653 <sup>9</sup>	43.1	84.3	1.17	29.4	4.3
GA2006106	1772 <sup>9</sup>	1739 <sup>8</sup>	1378 <sup>9</sup>	1629 <sup>10</sup>	43.9	84.5	1.23	30.7	4.1
GA2006128	1691 <sup>11</sup>	1637 <sup>11</sup>	1455 <sup>8</sup>	1594 <sup>11</sup>	43.7	84.4	1.21	29.1	4.3
SSG 59-3-29	1209 <sup>12</sup>	1483 <sup>13</sup>	1256 <sup>13</sup>	1316 <sup>12</sup>	42.7	83.4	1.18	29.4	4.0
Average	1852	1785	1533	1723	44.5	84.0	1.19	29.0	4.2
LSD 0.10	212	196	233	186	1.6	1.0	0.03	N.S. <sup>1</sup>	N.S.
CV %	9.6	9.2	12.8	10.4	1.9	0.9	1.66	6.2	6.3

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

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).