

Midville, Georgia: Cotton Strains Performance, 2008, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
07X440DF	2330	48.1	84.3	1.16	25.3	4.3
GA2006168	2285	44.8	84.1	1.17	34.2	4.8
07W505DF	2279	44.2	83.6	1.16	30.0	4.6
DP 0935 B2RF	2196	43.4	83.6	1.16	28.5	4.3
GA2006127	2173	43.8	84.2	1.22	31.2	3.9
DP 555 BG/RR	2153	44.7	83.6	1.17	31.4	4.1
GA2006053	2079	41.7	85.8	1.26	32.2	4.2
BCSX0217	1990	41.3	82.8	1.15	30.0	3.9
BCSX0805LL	1972	41.6	82.3	1.14	29.4	3.8
DP 0924 B2RF	1963	42.7	84.2	1.18	31.3	4.5
GA2006128	1938	42.7	84.6	1.23	32.2	4.4
GA2006109	1862	43.5	84.8	1.27	33.2	3.9
GA2006106	1800	43.6	85.3	1.25	34.5	4.3
Average	2078	43.5	84.1	1.19	31.0	4.2
LSD 0.10	233	1.3	1.6	0.04	2.4	0.4
CV %	9.4	2.5	1.1	1.82	4.3	5.9

* 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: First planting on May 1, 2008; due to strong wind and blowing sand damage after emergence, replanted on May 28, 2008.

Harvested: October 22, 2008.

Soil Type: Tifton sandy loam.

Fertilization: 96 lb N, 91 lb P₂O₅, and 74 lb K₂O/acre.

Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.50	2.25	1.50	1.50	0.00	0.00

Trials conducted by Larry Thompson.

**Plains, Georgia:
Cotton Strains Performance, 2008, Irrigated**

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
			Index*	%			
07W505DF	1841	44.0	83.2		1.14	30.8	4.9
DP 555 BG/RR	1663	43.9	82.3		1.18	32.5	4.3
BCSX0217	1644	41.9	82.6		1.19	35.0	4.2
BCSX0805LL	1575	41.6	81.4		1.14	30.2	4.3
GA2006053	1536	42.1	83.7		1.20	30.3	4.7
GA2006128	1529	43.5	84.3		1.24	34.2	5.0
DP 0924 B2RF	1515	42.5	83.1		1.16	32.1	4.6
GA2006109	1396	43.1	83.8		1.23	36.7	4.2
GA2006127	1374	44.8	83.8		1.21	32.0	4.7
DP 0935 B2RF	1349	45.1	82.7		1.18	32.1	4.5
GA2006106	1290	44.3	83.3		1.21	37.8	4.6
GA2006168	1239	43.0	83.9		1.22	35.9	4.8
07X440DF	1157	48.9	82.4		1.15	27.9	4.1
Average	1470	43.7	83.1		1.19	32.9	4.5
LSD 0.10	188	1.2	1.4		0.02	3.8	0.5
CV %	10.7	2.3	0.9		1.20	6.5	6.3

* 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: April 30, 2008.

Harvested: October 15, 2008.

Soil Type: Greenville sandy clay loam.

Fertilization: 95 lb N, 110 lb P₂O₅, and 30 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	2.00	1.00	2.00	1.00	0.00	0.00

Trials conducted by Larry Thompson.

**Tifton, Georgia:
Cotton Strains Performance, 2008, Irrigated**

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
DP 0935 B2RF	1699	45.7	83.0	1.13	28.6	4.6
GA2006053	1644	43.9	82.7	1.14	29.4	4.7
DP 0924 B2RF	1591	43.7	82.1	1.12	29.7	4.9
BCSX0805LL	1565	42.6	81.7	1.14	30.1	4.3
GA2006106	1518	44.5	82.5	1.16	33.4	4.7
07W505DF	1504	45.4	81.7	1.12	30.7	5.0
BCSX0217	1495	43.3	82.1	1.16	32.7	4.6
DP 555 BG/RR	1459	45.2	81.3	1.13	32.3	4.2
GA2006127	1451	46.1	81.8	1.15	29.4	4.6
07X440DF	1429	48.8	82.3	1.11	25.5	4.6
GA2006168	1378	44.6	81.4	1.14	30.6	4.7
GA2006109	1314	45.6	82.2	1.19	31.3	4.5
GA2006128	1308	44.0	83.7	1.19	31.1	4.4
Average	1489	44.9	82.2	1.14	30.3	4.6
LSD 0.10	N.S. ¹	0.8	N.S.	N.S.	3.1	N.S.
CV %	12.7	1.5	1.2	2.36	5.7	5.2

* 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 28, 2008.

Harvested: September 23, 2008.

Soil Type: Tifton loamy sand.

Fertilization: 78 lb N, 54 lb P₂O₅, and 108 lb K₂O/acre.

Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.80	0.90	2.73	0.00	0.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Cotton Strains, 2008, Irrigated

Variety	Lint Yield ^a				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
07W505DF	2279 ³	1841 ¹	1504 ⁶	1875 ¹	44.5	82.8	1.14	30.5	4.8
DP 555 BG/RR	2153 ⁶	1663 ²	1459 ⁸	1758 ²	44.6	82.4	1.16	32.1	4.2
GA2006053	2079 ⁷	1536 ⁵	1644 ²	1753 ³	42.6	84.0	1.20	30.6	4.5
DP 0935 B2RF	2196 ⁴	1349 ¹⁰	1699 ¹	1748 ⁴	44.7	83.1	1.16	29.7	4.5
BCSX0217	1990 ⁸	1644 ³	1495 ⁷	1710 ⁵	42.1	82.5	1.17	32.6	4.2
BCSX0805LL	1972 ⁹	1575 ⁴	1565 ⁴	1704 ⁶	41.9	81.8	1.14	29.9	4.1
DP 0924 B2RF	1963 ¹⁰	1515 ⁷	1591 ³	1690 ⁷	43.0	83.1	1.15	31.0	4.6
GA2006127	2173 ⁵	1374 ⁹	1451 ⁹	1666 ⁸	44.9	83.3	1.19	30.8	4.4
07X440DF	2330 ¹	1157 ¹³	1429 ¹⁰	1639 ⁹	48.6	83.0	1.14	26.2	4.3
GA2006168	2285 ²	1239 ¹²	1378 ¹¹	1634 ¹⁰	44.1	83.1	1.17	33.6	4.8
GA2006128	1938 ¹¹	1529 ⁶	1308 ¹³	1591 ¹¹	43.4	84.2	1.22	32.5	4.6
GA2006106	1800 ¹³	1290 ¹¹	1518 ⁵	1536 ¹²	44.1	83.7	1.20	35.2	4.5
GA2006109	1862 ¹²	1396 ⁸	1314 ¹²	1524 ¹³	44.1	83.6	1.23	33.7	4.2
Average	2078	1470	1489	1679	44.0	83.1	1.17	31.4	4.4
LSD 0.10	233	188	N.S. ^b	N.S.	0.8	0.8	0.03	1.8	0.3
CV %	9.4	10.7	12.7	10.8	2.2	1.1	1.84	5.6	5.8

^a Superscripts indicate ranking at that location.

^b 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).