

Midville, Georgia: Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield lb/acre	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
		Lint %	Index* %			
10R052B2R2	2156	47.1	84.1	1.15	27.5	4.8
DP 1137 B2RF	2018	45.5	83.6	1.13	26.8	4.9
DP 1133 B2RF	1926	44.5	84.3	1.16	30.5	4.7
GA2006046	1842	40.4	83.1	1.21	29.8	4.4
GA2008001	1727	41.1	84.2	1.21	30.5	4.5
GA2008083	1707	42.7	84.0	1.19	30.9	4.3
All-Tex ATX91437-2	1698	44.7	83.2	1.20	25.6	4.2
Dyna-Gro 2570B2RF	1698	41.3	84.1	1.16	28.0	4.7
GA2008005	1655	41.1	84.2	1.21	30.8	5.0
GA2008016	1653	40.3	84.4	1.22	34.5	4.6
All-Tex ATX8W318-20	1640	40.4	83.1	1.17	27.5	4.6
All-Tex ATX81144	1573	39.9	82.9	1.21	30.9	4.0
GA2008052	1536	41	84.5	1.20	32.4	4.4
GA2008057	1488	41.4	85.2	1.22	33.3	4.4
Average	1737	42.3	83.9	1.19	29.9	4.5
LSD 0.10	151	0.9	N.S. ¹	0.04	2.4	0.4
CV %	7.3	1.8	1.3	1.78	4.5	5.1

* 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 7, 2010.

Harvested: October 4, 2010.

Soil Type: Tifton sandy loam.

Fertilization: 100 lb N, 115 lb P₂O₅, and 30 lb K₂O/acre.

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

	May	June	July	Aug.	Sept.
Irrigation (in):	1.50	1.75	2.25	1.75	0.75

Trials conducted by Larry Thompson.

Plains, Georgia: Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield lb/acre	Uniformity		Length* inches	Strength* g/tex	Micronaire*
		Lint %	Index* %			
10R052B2R2	1107	46.3	83.7	1.15	29.3	4.9
Dyna-Gro 2570B2RF	1102	41.9	83.4	1.16	32.2	4.3
GA2006046	1093	43.1	83.3	1.14	29.9	5.0
All-Tex ATX91437-2	1090	44.5	83.1	1.14	28.6	4.4
DP 1137 B2RF	1052	45.4	83.4	1.14	29.4	4.8
All-Tex ATX81144	1042	42.7	83.8	1.19	33.9	4.1
DP 1133 B2RF	994	45.3	85.1	1.16	33.7	5.2
GA2008001	982	42.5	83.8	1.22	34.8	4.7
GA2008083	977	44.5	82.6	1.14	34.1	4.9
GA2008005	930	43.7	84.9	1.18	32.9	5.1
GA2008016	926	43.4	83.9	1.19	37.0	5.1
GA2008057	922	43.1	85.4	1.27	35.7	4.9
GA2008052	823	40.2	84.6	1.21	34.4	4.1
All-Tex ATX8W318-2	740	40.4	83.6	1.17	31.1	4.4
Average	984	43.3	83.9	1.17	32.6	4.7
LSD 0.10	143	1.0	N.S. ¹	N.S.	1.8	0.3
CV %	12.2	1.8	1.0	3.38	3.2	3.8

* 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, 2010.

Harvested: September 24, 2010.

Soil Type: Greenville sandy clay loam.

Fertilization: 100 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.0	0.0	4.0	2.0	0.0

Trials conducted by Larry Thompson.

Tifton, Georgia: Cotton Strains Performance, 2010, Irrigated

Variety	Lint Yield lb/acre	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
		Lint %	Index* %			
GA2008057	1512	45.4	84.5	1.19	35.2	4.9
10R052B2R2	1503	46.6	84.8	1.14	29.5	5.2
Dyna-Gro 2570B2RF	1497	43.7	83.7	1.08	30.6	5.1
DP 1137 B2RF	1490	46.2	84.2	1.12	29.0	5.0
GA2008016	1473	44.1	84.2	1.12	34.4	5.1
GA2008083	1470	47.6	82.2	1.10	31.0	4.7
GA2008001	1418	44.4	84.0	1.17	31.6	4.9
GA2008005	1408	44.3	84.6	1.15	32.7	5.1
All-Tex ATX8W318-20	1338	43.1	83.3	1.11	28.6	4.6
All-Tex ATX81144	1335	43.6	83.3	1.17	31.1	4.2
GA2008052	1277	42.6	83.6	1.17	31.3	4.5
GA2006046	1273	42.5	83.9	1.16	29.9	5.1
All-Tex ATX91437-2	1222	46.1	82.9	1.14	26.8	4.6
DP 1133 B2RF	1200	46.6	84.3	1.10	31.7	5.3
Average	1387	44.8	83.8	1.13	30.9	4.9
LSD 0.10	195	1.0	N.S. ¹	0.05	2.3	0.2
CV %	11.8	1.8	0.9	2.62	4.3	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 27, 2010.

Harvested: September 15, 2010.

Soil Type: Tifton sandy loam.

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

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	1.20	2.30	4.20	1.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Cotton Strains, 2010, Irrigated

Variety	Lint Yield ^a				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
10R052B2R2	2156 ¹	1107 ¹	1503 ²	1589 ¹	46.6	84.2	1.15	28.7	4.9
DP 1137 B2RF	2018 ²	1052 ⁵	1490 ⁴	1520 ²	45.7	83.7	1.13	28.4	4.9
Dyna-Gro 2570B2RF	1698 ^{7T}	1102 ²	1497 ³	1432 ³	42.3	83.7	1.13	30.3	4.7
GA2006046	1842 ⁴	1093 ³	1273 ¹²	1403 ⁴	42.0	83.4	1.17	29.9	4.8
GA2008083	1707 ⁶	977 ⁹	1470 ⁶	1385 ⁵	44.9	82.9	1.14	32.0	4.6
GA2008001	1727 ⁵	982 ⁸	1418 ⁷	1376 ⁶	42.7	84.0	1.20	32.3	4.7
DP 1133 B2RF	1926 ³	994 ⁷	1200 ¹⁴	1373 ⁷	45.5	84.6	1.14	31.9	5.0
GA2008016	1653 ⁹	926 ¹¹	1473 ⁵	1351 ⁸	42.6	84.2	1.18	35.3	4.9
All-Tex ATX91437-2	1698 ^{7T}	1090 ⁴	1222 ¹³	1337 ⁹	45.1	83.0	1.16	27.0	4.4
GA2008005	1655 ⁸	930 ¹⁰	1408 ⁸	1331 ¹⁰	43.0	84.6	1.18	32.1	5.0
All-Tex ATX81144	1573 ¹¹	1042 ⁶	1335 ¹⁰	1317 ¹¹	42.0	83.3	1.19	32.0	4.1
GA2008057	1488 ¹³	922 ¹²	1512 ¹	1307 ¹²	43.3	85.0	1.22	34.7	4.7
All-Tex ATX8W318-20	1640 ¹⁰	740 ¹⁴	1338 ⁹	1239 ¹³	41.3	83.3	1.15	29.0	4.5
GA2008052	1536 ¹²	823 ¹³	1277 ¹¹	1212 ¹⁴	41.2	84.2	1.19	32.7	4.3
Average	1737	984	1387	1369	43.5	83.9	1.17	31.2	4.7
LSD 0.10	151	143	195	171	1.3	0.6	0.03	1.1	0.3
CV %	7.3	12.2	11.8	10.1	1.8	2.7	1.09	4.0	4.0

^a Superscripts indicate ranking at that location.

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