

Midville, Georgia: Later Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage ¹ %
ST 5599BR	1882	41.8	85.2		1.18	32.9	4.9	3
DP555BG/RR	1836	42.8	85.4		1.17	31.0	4.7	3
GA2003118	1812	41.2	87.3		1.25	34.8	4.7	2
GA2003138	1750	41.5	86.6		1.22	31.6	4.5	1
DELTAPEARL	1741	42.0	85.9		1.23	32.1	4.9	3
GA2003131	1704	42.5	87.2		1.25	34.1	4.3	2
OAX303	1663	43.8	86.4		1.19	29.7	4.7	2
GA2003178	1647	42.0	86.8		1.22	36.2	4.9	1
CS37	1560	40.6	85.4		1.20	31.4	4.1	2
GA2003093	1559	42.3	87.1		1.22	33.0	4.6	3
CS38	1487	39.7	87.2		1.24	32.3	4.5	1
BCGP0304BII/R	1396	40.5	85.4		1.18	31.7	4.5	3
CS39	1374	41.7	86.3		1.18	29.7	4.2	1
CS40	1273	39.0	87.0		1.24	34.2	4.3	2
Average	1620	41.5	86.4		1.21	32.5	4.5	2
LSD 0.10	205	0.8	1.2		0.03	2.5	0.3	N.S. ²
CV %	10.6	1.7	0.8		1.28	4.3	3.7	54

1. Percentage of cotton lost to wind and rain.
2. 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 11, 2004.

Harvested: October 6, 2004.

Soil Type: Tifton loamy sand.

Fertilization: 95 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Management: Temik 15G applied 3 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.34	7.33	2.68	8.11	9.05
Irrigation (in):	1.00	2.00	4.00	3.00	0.0

Trials conducted by Larry Thompson, T. Robinson, Rick Jackson, and Don Day.

Plains, Georgia: Later Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units	Storm
			Index %					Damage ¹ %
DP555BG/RR	1589	42.2	84.6		1.14	30.5	4.9	13
ST 5599BR	1366	41.4	84.7		1.15	31.7	4.8	14
DELTAPEARL	1333	40.2	85.8		1.22	34.1	4.8	9
OAX303	1312	41.8	85.0		1.14	30.2	5.2	15
GA2003131	1294	41.8	86.1		1.21	34.8	5.0	5
GA2003178	1293	40.6	86.1		1.21	36.7	4.8	5
GA2003138	1254	40.3	85.6		1.17	33.8	4.9	6
CS37	1232	38.9	86.2		1.20	31.1	4.6	5
GA2003093	1208	42	85.2		1.17	33.9	5.1	6
GA2003118	1145	40	86.1		1.19	35.5	5.0	4
CS38	1063	39.3	86.4		1.19	35.0	4.8	6
BCGP0304BII/R	926	39.6	84.7		1.16	32.5	4.4	9
CS40	920	36.8	85.8		1.19	34.7	4.3	4
CS39	822	39.2	84.5		1.14	29.6	3.9	6
Average	1197	40.3	85.5		1.18	33.1	4.7	8
LSD 0.10	126	1.1	1.0		0.04	2.1	0.4	5
CV %	8.8	2.2	0.6		2.06	3.6	4.2	58

1. Percentage of cotton lost to wind and rain.

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

Planted: May 5, 2004.

Harvested: October 13, 2004.

Soil Type: Greenville sandy loam.

Fertilization: 90 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Management: Temik 15G applied 3 lb/acre.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.63	9.40	5.73	5.50	14.00
Irrigation (in):	1.90	0.0	0.70	1.50	0.0

Trials conducted by Larry Thompson, Ronnie Pines, and Don Day.

Tifton, Georgia: Later Maturity Cotton Strains Performance, 2004, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength g/tex	Micronaire units	Storm
			Index %	Length inches			Damage ¹ %
GA2003178	1490	42.0	85.3	1.16	34.8	4.8	8
GA2003118	1446	41.5	85.4	1.20	33.3	4.7	10
GA2003093	1393	43.8	84.3	1.15	32.8	4.8	11
DELTAPEARL	1342	42.1	85.2	1.20	31.6	4.8	10
CS37	1342	39.7	84.1	1.16	30.7	4.3	8
GA2003131	1341	41.9	85.3	1.20	32.9	4.7	8
GA2003138	1326	41.8	85.1	1.18	32.7	4.3	9
OAX303	1320	45.5	83.8	1.11	29.7	5.1	15
DP555BG/RR	1301	44.2	83.2	1.13	31.0	4.8	11
CS38	1178	40.7	84.9	1.17	33.3	4.4	5
ST 5599BR	1149	42.7	84.7	1.14	33.2	5.0	14
BCGP0304BII/R	1086	43.1	83.9	1.13	30.4	4.6	5
CS40	977	36.7	83.8	1.17	31.3	4.4	8
CS39	904	41.4	83.8	1.09	29.4	4.4	9
Average	1257	41.9	84.5	1.15	31.9	4.6	9
LSD 0.10	141	0.6	N.S. ²	0.04	1.7	0.4	2
CV %	9.4	1.3	1.2	1.75	2.9	4.9	22

1. Percentage of cotton lost to wind and rain.
2. The F-test indicated no statistical differences at the alpha = 0.10 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, 2004.

Harvested: September 20, 2004.

Soil Type: Tifton loamy sand.

Fertilization: 98 lb N, 54 lb P₂O₅, and 188 lb K₂O/acre.

Management: Temik 15G applied 4 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.21	6.16	3.09	3.98	14.43
Irrigation (in):	0.75	0.0	2.25	1.50	0.0

Trials conducted by Larry Thompson and Don Day.

Yield Summary for Later Maturity Cotton Strains, 2004, Irrigated

Variety	Lint Yield ^a				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
DP555BG/RR	1836 ²	1589 ¹	1301 ⁸	1576 ¹	43.1	84.4	1.15	30.8	4.8
GA2003178	1647 ⁸	1293 ⁶	1490 ¹	1477 ²	41.5	86.1	1.20	35.9	4.8
DELTAPEARL	1741 ⁵	1333 ³	1342 ^{4T}	1472 ³	41.4	85.6	1.21	32.6	4.8
GA2003118	1812 ³	1145 ¹⁰	1446 ²	1468 ⁴	40.9	86.2	1.21	34.5	4.8
ST 5599BR	1882 ¹	1366 ²	1149 ¹⁰	1466 ⁵	42.0	84.9	1.16	32.6	4.9
GA2003131	1704 ⁶	1294 ⁵	1341 ⁵	1446 ⁶	42.1	86.2	1.22	33.9	4.6
GA2003138	1750 ⁴	1254 ⁷	1326 ⁶	1443 ⁷	41.2	85.8	1.19	32.7	4.5
OAX303	1663 ⁷	1312 ⁴	1320 ⁷	1432 ⁸	43.7	85.1	1.14	29.9	5.0
GA2003093	1559 ¹⁰	1208 ⁹	1393 ³	1387 ⁹	42.7	85.5	1.18	33.2	4.8
CS37	1560 ⁹	1232 ⁸	1342 ^{4T}	1378 ¹⁰	39.7	85.2	1.19	31.0	4.3
CS38	1487 ¹¹	1063 ¹¹	1178 ⁹	1243 ¹¹	39.9	86.2	1.20	33.5	4.6
BCGP0304BII/R	1396 ¹²	926 ¹²	1086 ¹¹	1136 ¹²	41.1	84.6	1.16	31.5	4.5
CS40	1273 ¹⁴	920 ¹³	977 ¹²	1057 ¹³	37.5	85.5	1.20	33.4	4.3
CS39	1374 ¹³	822 ¹⁴	904 ¹³	1033 ¹⁴	40.7	84.9	1.13	29.5	4.2
Average	1620	1197	1257	1358	41.2	85.4	1.18	32.5	4.6
LSD 0.10	205	126	141	138	1.0	0.7	0.02	1.1	0.2
CV %	10.6	8.8	9.4	10.0	1.8	0.9	1.72	3.7	4.3

^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).