

Midville, Georgia: Cotton Strains Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
<u>Earlier Maturity</u>						
GA2004143	1571	48.5	83.6	1.19	31.2	4.7
FMX4330B2F	1543	45.5	83.7	1.17	33.8	4.5
FMX4366B2F	1498	44.5	83.2	1.17	30.9	4.3
GA2004230	1459	43.0	84.2	1.26	31.4	4.5
GA2004089	1436	46.0	84.8	1.22	32.2	4.6
FMX4327B2F	1388	43.0	82.5	1.17	31.9	4.7
<i>Average</i>	<i>1482</i>	<i>45.1</i>	<i>83.7</i>	<i>1.2</i>	<i>31.9</i>	<i>4.6</i>
<u>Later Maturity</u>						
GA2004137	1637	45.0	82.8	1.17	31.1	5.1
GA2004358	1470	44.5	83.1	1.16	31.0	4.8
GA2004236	1191	43.0	81.9	1.15	27.9	4.7
<i>Average</i>	<i>1433</i>	<i>44.2</i>	<i>82.6</i>	<i>1.16</i>	<i>30.0</i>	<i>4.9</i>
<i>Overall test averages and statistics:</i>						
Average	1466	44.8	83.3	1.18	31.2	4.6
LSD 0.10	N.S. ¹	1.0	1.5	0.03	1.4	0.4
CV %	13.7	1.9	0.9	1.44	2.3	5.1

* 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 2, 2007.

Harvested: October 10, 2007.

Soil Type: Tifton sandy loam.

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

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

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	5.00	1.50	3.25	4.50	0.75	0.0

Trials conducted by Larry Thompson.

Plains, Georgia: Cotton Strains Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
<u>Earlier Maturity</u>						
GA2004230	1216	43.0	84.2	1.24	32.8	5.1
GA2004143	1210	47.7	84.6	1.23	33.3	5.0
FMX4366B2F	1165	43.8	84.3	1.19	32.8	4.7
FMX4330B2F	984	44.9	83.9	1.19	34.4	4.5
FMX4327B2F	978	43.7	82.9	1.20	34.7	4.8
GA2004089	951	46.1	85.2	1.25	31.1	4.9
<i>Average</i>	<i>1084</i>	<i>44.9</i>	<i>84.2</i>	<i>1.22</i>	<i>33.2</i>	<i>4.8</i>
<u>Later Maturity</u>						
GA2004137	1245	45.9	84.8	1.23	32.2	4.9
GA2004358	1117	45.4	83.1	1.17	32.7	5.2
GA2004236	1077	45.4	84.3	1.20	31.1	5.2
<i>Average</i>	<i>1146</i>	<i>45.6</i>	<i>84.1</i>	<i>1.20</i>	<i>32.0</i>	<i>5.1</i>
<i>Overall test averages and statistics:</i>						
Average	1105	45.1	84.1	1.21	32.8	4.9
LSD 0.10	177	0.8	N.S. ¹	N.S.	1.3	0.3
CV %	13.2	1.6	1.2	2.27	2.2	3.3

* 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 1, 2007.

Harvested: October 8, 2007.

Soil Type: Faceville sandy loam.

Fertilization: 90 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.80	1.00	1.00	2.00	1.00	0.0

Trials conducted by Larry Thompson and R. Pines.

Tifton, Georgia: Cotton Strains Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
<u>Earlier Maturity</u>						
FMX4366B2F	1977	45.1	84.5	1.20	30.1	3.7
FMX4327B2F	1914	46.3	82.7	1.18	30.2	3.8
GA2004230	1896	45.8	84.9	1.25	29.2	4.4
GA2004143	1857	50.2	83.2	1.17	29.7	4.4
GA2004089	1755	46.7	84.2	1.21	28.9	4.3
FMX4330B2F	1477	47.9	83.6	1.17	32.2	3.9
<i>Average</i>	<i>1813</i>	<i>47.0</i>	<i>83.5</i>	<i>1.20</i>	<i>30</i>	<i>4.1</i>
<u>Later Maturity</u>						
GA2004358	2188	48.0	83.0	1.17	27.9	4.3
GA2004137	2007	49.4	82.9	1.16	29.9	4.4
GA2004236	1504	49.5	82.8	1.17	28.1	4.3
<i>Average</i>	<i>1900</i>	<i>49.0</i>	<i>82.9</i>	<i>1.17</i>	<i>28.6</i>	<i>4.3</i>
<i>Overall test averages and statistics:</i>						
Average	1842	47.7	83.5	1.18	29.6	4.1
LSD 0.10	224	0.8	N.S. ¹	0.04	1.3	0.3
CV %	10.0	1.3	1.2	1.98	2.4	3.4

* 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 23, 2007.

Harvested: September 18, 2007.

Soil Type: Tifton sandy loam.

Fertilization: 78 lb N, 54 lb P₂O₅, and 168 lb K₂O/acre.

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

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	2.25	1.80	2.10	2.00	0.0	0.00

Trials conducted by Larry Thompson

Yield Summary for Cotton Strains, 2007, Irrigated

Variety	Lint Yield ^a				Lint %	Unif. Index %	Length inches	Strength g/tex	Mic. units
	Midville	Plains	Tifton	3-Loc. Average					
	----- lb/acre -----								
<u>Earlier Maturity</u>									
FMX4366B2F	1498 ⁴	1165 ⁴	1977 ³	1547 ³	44.5	84.0	1.18	31.3	4.2
GA2004143	1571 ²	1210 ³	1857 ⁶	1546 ⁴	48.8	83.8	1.19	31.4	4.7
GA2004230	1459 ⁹	1216 ²	1896 ⁵	1523 ⁵	43.9	84.4	1.25	31.1	4.7
FMX4327B2F	1388 ⁸	978 ⁸	1914 ⁴	1427 ⁶	44.3	82.7	1.18	32.3	4.4
GA2004089	1436 ⁷	951 ⁹	1755 ⁷	1380 ⁷	46.3	84.7	1.23	30.7	4.6
FMX4330B2F	1543 ³	984 ⁷	1477 ⁹	1335 ⁸	46.1	83.7	1.17	33.4	4.3
<i>Average</i>	<i>1482</i>	<i>1084</i>	<i>1813</i>	<i>1460</i>	<i>45.5</i>	<i>83.9</i>	<i>1.20</i>	<i>31.7</i>	<i>4.5</i>
<u>Later Maturity</u>									
GA2004137	1637 ¹	1245 ¹	2007 ²	1630 ¹	46.8	83.5	1.18	31.1	4.8
GA2004358	1470 ⁵	1117 ⁵	2188 ¹	1592 ²	46.0	83.0	1.16	30.5	4.8
GA2004236	1191 ⁹	1077 ⁶	1504 ⁸	1258 ⁹	46.0	83.0	1.17	29.0	4.7
<i>Average</i>	<i>1433</i>	<i>1146</i>	<i>1900</i>	<i>1493</i>	<i>46.3</i>	<i>83.2</i>	<i>1.17</i>	<i>30.2</i>	<i>4.8</i>
<i>Overall summary averages and statistics:</i>									
Average	1466	1105	1842	1471	45.8	83.6	1.19	31.2	4.6
LSD 0.10	N.S. ^b	177	224	187	1.4	0.8	0.02	1.1	0.2
CV %	13.7	13.2	10.0	12.1	1.6	1.1	1.93	2.3	4.0

^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).